
Micro Focus Operations Orchestration Available Content Packs

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Micro Focus Standard

Micro Focus Standard Content is provided free by Micro Focus to Micro Focus Software customers with a current maintenance contract. Micro Focus Standard Content is supported via Micro Focus Software Support

Amazon AWS (CloudSlang) 1.2.2

Amazon AWS Content Pack contains flows and operations for integrating with Amazon.

Library

io

cloudslang

amazon

aws

ec2

authentication

compute_signature_v4

deploy_instance

images

add_launch_permissions_to_image_in_region

create_image_in_region

deregister_image_in_region

describe_images_in_region

get_launch_permission_for_image_in_region

remove_launch_permissions_from_image_in_region

reset_launch_permissions_on_image_in_region

instances

check_instance_state

describe_instances

modify_instance_attribute

reboot_instances

run_instances

start_instances

stop_instances

terminate_instances

network

allocate_address

associate_address

attach_network_interface

create_network_interface

delete_network_interface

describe_network_interfaces

detach_network_interface

disassociate_address

reboot_instance

regions

describe_regions

snapshots

create_snapshot_in_region

delete_snapshot_in_region

start_instance

stop_instance

tags

create_tags

describe_tags

undeploy_instance

utils

get_unique_name

volumes

attach_volume_in_region
create_volume
delete_volume_in_region
describe_volumes
detach_volume_in_region

servicecatalog**products**

describe_provisioned_product
provision_product
unprovision_product
update_provisioned_product
provision_product
unprovision_product
update_provisioned_product

Hashicorp Terraform (CloudSlang) 1.1.2

This Content Pack contains the cs-hashicorp-terraform-cp integration operations and flows.

Library

io

cloudslang

hashicorp

terraform

DeployModule

DeployModuleV2

organizations

create_organization

delete_organization

get_organization_details

list_organizations

update_organization

runs

apply_run

cancel_run

create_run

get_apply_details

get_plan_details

get_run_details

list_runs_in_a_workspace

stateversions

get_current_state_version

UndeployModule

UndeployModuleV2

UpdateModule

UpdateModuleV2

utils

counter

list_o_auth_client

variables

create_variable

create_variables

delete_variable

list_variable

update_variable

update_variables

workspaces

create_workspace

delete_workspace

get_workspace_details

list_workspaces

variables

create_workspace_variable

create_workspace_variables

delete_workspace_variable

list_workspace_variable

update_workspace_variable

update_workspace_variables

Micro Focus UFT (CloudSlang) 1.0.2

This Content Pack contains the UFT integration operations and flows.

Library

io

cloudslang

microfocus

uft

get_test_list

get_test_parameters

run_test

utility

create_get_test_params_vb_script

create_run_test_vb_script

create_run_test_vb_script_no_parameters

Microsoft Office 365 (CloudSlang) 1.0.0

This Content Pack contains the cs-microsoft-office365-cp integration operations and flows.

Library

io

cloudslang

microsoft

office365

get_email

send_email

Nutanix Prism (CloudSlang) 1.0.1

This Content Pack contains the cs-nutanix-prism-cp integration operations and flows.

Library

io

cloudslang

nutanix

prism

add_nic_to_vm
attach_disks_to_vm
delete_nic_from_vm
deploy_vm
detach_disks_from_vm

disks

attach_disks
detach_disks

nics

add_nic
delete_nic
power_off_vm
power_on_vm

tasks

get_task_details
undeploy_vm
update_vm

utils

counter
get_updated_vm_details

virtualmachines

create_vm
delete_vm
get_vm_details
list_vms
set_vm_power_state
update_vm

Oracle Cloud (CloudSlang) 1.0.0

This Content Pack contains the cs-oracle-cloud-cp integration operations and flows.

Library

io

cloudslang

oracle

oci

compute

attach_vnic_to_instance
attach_volume_to_instance
deploy_instance
detach_vnic_from_instance
detach_volume_from_instance

instances

create_instance
get_instance_default_credentials
get_instance_details
instance_action
list_instances
terminate_instance
update_instance

restart_instance

start_instance

stop_instance

undeploy_instance

update_instance

vnics

attach_vnic
detach_vnic
get_vnic_attachment_details
get_vnic_details
list_vnic_attachments

volumes

attach_volume
detach_volume
get_volume_attachment_details

utils

counter

PostgreSQL (CloudSlang) 1.0.3

This Content Pack contains the PostgreSQL integration operations and flows. PostgreSQL (CloudSlang) Content Pack depends on the Base (CloudSlang) Content Pack(s).

Library

io

cloudslang

postgresql

common

- createdb_command
- dropdb_command
- get_configuration_query
- get_db_info_query
- update_pg_hba_config
- update_postgres_config

linux

- configure_postgres_on_linux
- create_db_on_linux
- drop_db_on_linux
- install_postgres_on_linux
- operate_postgres_on_linux
- setup_postgres_on_linux
- uninstall_postgres_on_linux

utils

- check_if_db_exists
- check_postgres_is_up
- derive_postgres_version
- derive_service_name_from_installation_location
- get_system_service_status_on_boot
- run_pg_ctl_command

windows

- configure_postgres_on_windows
- create_db_on_windows
- drop_db_on_windows
- install_postgres_on_windows
- operate_postgres_on_windows
- setup_postgres_on_windows
- uninstall_postgres_on_windows

utils

- check_if_db_exists
- check_postgres_is_up
- get_system_service_command
- get_system_service_process_info_command
- get_system_service_user

Tesseract-OCR (CloudSlang) 1.0.1

This Content Pack contains the Tesseract-OCR integration operations and flows. Tesseract-OCR (CloudSlang) Content Pack depends on the Base (CloudSlang) Content Pack(s).

Library

io

cloudslang

tesseract

ocr

extract_text_from_image

extract_text_from_pdf

utils

tesseract_setup

ABBYY (CloudSlang) 1.1.1

This Content Pack contains the cs-abbyy-cp integration operations and flows. Micro Focus cs-abbyy-cp (CloudSlang) Content Pack depends on the Base (CloudSlang) Content Pack(s).

Library

io

cloudslang

abbyy

cloud

v1

process_image

process_text_field

Alibaba Cloud (CloudSlang) 1.0.2

This Content Pack contains the Alibaba Cloud integration operations and flows.

Library

io

cloudslang

alibaba

ecs

deploy_instance

instances

allocate_public_ip_address

check_instance_state

create_instance

delete_instance

get_instance_status

restart_instance

start_instance

stop_instance

reboot_instance

start_instance

stop_instance

undeploy_instance

Base (CloudSlang) 1.6.0

Base (CloudSlang) Content Pack contains flows and operations to be used in every automation usecase. Inside you can find technologies such as HTTP Client, Email, Remote Command, XML\JSON processing and many others. Dependencies: Base (CloudSlang) Content Pack does not depend on any other Content Pack.

Library

io

cloudslang

base

cmd

- run_command

database

- sql_command
- sql_query
- sql_query_all_rows
- sql_query_lob
- sql_query_tabular
- sql_script

datetime

- get_time
- offset_time_by
- parse_date

excel

- get_cell

filesystem

- add_text_to_file
- copy
- create_folder
- create_folder_tree
- delete
- move
- read_from_file
- unzip_archive
- write_to_file
- zip_folder

http

- get_header_value
- http_client_action
- http_client_delete
- http_client_get
- http_client_patch
- http_client_post
- http_client_put
- http_client_trace
- url_encoder
- verify_url_is_accessible

json

- add_json_property_to_object
- add_object_into_json_array
- add_value
- equals
- get_keys
- get_value
- json_path_query

remove_object_from_json_array
validate_json

lists

add_element
check_list_type
compare_lists
contains
convert_list_to_string
find_all
get_by_index
length
list_iterator
modify_list_elements
prepend_element
remove_by_index
set_equals
sort_list
subtract_sets
trim_list

mail

get_mail_attachment
get_mail_message
get_mail_message_count
send_mail

maps

add_key
compare_maps
get_keys
get_keys_v2
get_values
get_values_v2
merge_maps
modify_map_elements
remove_empty_keys
sort_maps

math

add_numbers
compare_numbers
divide_numbers
multiply_numbers
random_number_generator
round
subtract_numbers

os

linux

validate_linux_machine_ssh_access
os_detector

powershell

powershell_script
powershell_script_sample
pwsh_script

python

python_script

remote file transfer

remote_secure_copy

ssh

check_ssh_unstable_session
ssh_command

ssh_flow

strings

append
filter_lines
length
match_regex
regex_replace
remove
search_and_replace
string_equals
string_occurrence_counter
substring
trim

utils

base64_decoder
base64_decoder_to_file
base64_encoder
default_if_empty
do_nothing
find_text_in_pdf
handle_session_recovery
is_null
is_true
local_ping
random_password_generator
sleep
uuid_generator

xml

add_attribute
append_child
apply_xsl_transformation
convert_json_to_xml
convert_xml_to_json
edit_xml
insert_before
remove
set_value
validate
xpath_query

Microsoft Azure (CloudSlang) 1.2.3

Microsoft Azure (CloudSlang) Content Pack contains flows and operations for integrating with Microsoft

Library

io

cloudslang

microsoft

azure

authorization

get_auth_token

compute

locations

list_locations

network

network_interface_card

create_nic

delete_nic

get_nic_name_info

list_nics_within_resource_group

public_ip_addresses

create_public_ip_address

delete_public_ip_address

get_public_ip_address_info

list_public_ip_addresses_within_resource_group

security_groups

list_network_security_groups_for_resource_group

subnet

list_subnets_within_virtual_network

virtual_networks

list_virtual_networks_within_resource_group

list_virtual_networks_within_subscription

resource_groups

list_all_resource_groups

storage

blobs

delete_blob

get_storage_account_keys

list_storage_accounts_for_resource_group

list_storage_accounts_for_subscription

virtual_machines

attach_disk_to_vm

availability_sets

list_availability_sets_for_resource_group

create_linux_vm

create_windows_vm

delete_vm

get_power_state

get_vms_for_resource_group

get_vm_details
list_available_vm_sizes_for_resizing
list_available_vm_sizes_in_an_availability_set

list_available_vm_sizes_in_a_region
list_image_offers
list_image_publishers
list_image_skus
list_image_versions
restart_vm
start_vm
stop_vm
tag_vm

deploy_vm
restart_vm
start_vm
stop_vm
undeploy_vm

CSA-INTEGRATIONS 4.70.0008

CSA Integrations content pack

Library

Integrations

Micro Focus

Cloud Service Automation

- Add Child Service Component
- Add or Update Service Component Property
- Add Public Action
- Add Resource Binding to Service Component
- Deploy Service Component Tree
- Execute Process Instance
- Finalize Service Component
- Get Artifact Details
- Get Artifact Properties
- Get Candidate Provider Pool
- Get Candidate Providers
- Get Default Values Of Artifact Properties
- Get Organization Details
- Get Resource Pool
- Get Resource Provider Access Details
- Get Service Subscription Details
- Get User Details
- Get User Identifier
- Invoke Clone Process Instance
- Modify Service Component Property
- Poll Life Cycle Engine
- Poll Process Instance
- Send Email Notification
- Update Approval Status
- Update Process Instance State
- Update Resource Pool Capacity
- Update Resource Pool Utilization
- Update Service Component Display Name
- Update Valid Provider Pool
- Update Valid Providers

NonStopContent 1.5.0

Upgraded Content Pack

Library

Accelerator Packs

Database

NonStop SQL

Diagnostics

- Cleanup Object
- Cleanup Partition
- Display Control Query Shape for DML Statement
- Display DDL Syntax for Object Creation
- Display DDL Syntax for Procedure Creation
- Fixup File Label
- Fixup Object
- Fixup Record Control Block
- Generate Table Record Description
- Recover Failed Operation
- Recover Failed Schema Ownership Transfer

Health Check

- Display All Modules For Object
- Display Invalid Modules For Object
- Display Source SQL File of Module
- Display Usage of Modules
- Verify File
- Verify Object

Information Gathering

- Display File Information
- Display File Label
- Display MXCS Data Source Information
- Display MXCS Environmental Variable Information
- Display MXCS Server Information
- Display MXCS Service Information
- Display MXCS User Information
- Display Number of Rows
- Display Object Label
- Display Related Catalogs
- Display Related Nodes
- Display Related Schemas
- Display Security Administrators

Utility

- Delete MXCS Data Source
- Delete MXCS Environmental Variable
- Delete MXCS User
- Display Error Information
- Display Module Version
- Display MXCS Service Version
- Display Object Version
- Display Procedure Version
- Display Schema Version
- Display Software Version
- Display System Schema Version
- Downgrade Catalog
- Downgrade Version
- Fast Copy Index

- Fast Copy Table
- Load Index
- Remove File
- Start MXCS Data Source
- Start MXCS Service
- Stop MXCS Data Source
- Stop MXCS Server
- Stop MXCS Service
- Transfer Ownership of Schema and Objects
- Transfer Ownership of Schema
- Upgrade Catalog
- Upgrade Version

Operating Systems

NonStop

Information Gathering

- Display All Ethernet Interface Status
- Display All Provider Status
- Display CPU Metrics
- Display CPU Utilization
- Display Disk Volume Metrics
- Display Disk Volume Usage
- Display Disk Volumes and How Full
- Display Free Memory
- Display Last Boot Time
- Display Looping Guardian Processes
- Display Looping OSS Processes
- Display Memory Metrics
- Display Network Metrics
- Display Number of Processors
- Display OS Info
- Display OSS File Systems and How Full
- Get Active OSS Users
- Get Guardian Users

NonStop Health Check

State Change

- Abort Guardian Persistent Process
- Change Guardian Process Priority
- Run Guardian Process
- Run OSS Process with Changed Default Priority
- Run OSS Process
- Start Guardian Persistent Process
- Stop Guardian Process
- Stop OSS Process

Utility

- Check Guardian Process by File Name
- Check Guardian Process by PID
- Check Guardian Process by Process Name
- Check Guardian Process Pair by Process Name
- Check OSS Process by File Name
- Check OSS Process by PID
- Check Time Duration
- Display Current Time
- Get Guardian Process List
- Get OSS Process List
- Get PID from Guardian Process Name

Specialized Flows and Ops

- Get Time Difference

Operations

Databases

NonStop SQL

MXCI Commands

- Display All Modules For Object
- Display Error Information
- Display Invalid Modules For Object
- Display Source SQL File of Module
- Display Use of Compiled Modules
- Get Module Version
- Get Object Version
- Get Procedure Version
- Get Related Catalogs
- Get Related Nodes
- Get Related Schemas
- Get Schema Version
- Get Software Version
- Get System Schemas Version
- Invoke Table
- Show DDL for Object Creation
- Show DDL for Procedure Creation
- Show Label of File
- Show Label of Object
- Show Shape

MXCS Commands

- Delete DS
- Delete EVAR
- Delete User
- Info DS
- Info EVAR
- Info Server
- Info Service
- Info User
- Start DS
- Start Service
- Stop DS
- Stop Server
- Stop Service
- Version Service

SQL Statements

- Get Security Administrators
- Select Row Count

Utilities

- Cleanup Object
- Cleanup Partition
- Downgrade Catalog
- Downgrade Version
- Fast Copy Index
- Fast Copy Table
- Fixup File Label
- Fixup Object
- Fixup Record Control Block
- Give Schema and Objects
- Give Schema
- Info File
- Populate Index
- Recover Operation
- Recover Schema
- Remove File

- Upgrade Catalog
- Upgrade Version
- Verify File
- Verify Object

Operating Systems

NonStop

Disk Operations

- Abort Disk Path
- Configure Disk Volume
- Configure Storage CLIM
- Display Disk Path Status
- Display Disk Volume Metrics
- Display Disk Volume Status
- Display Disk Volume Usage
- Start Disk Path
- Start Disk Volume
- Start Mirror Disk
- Start Primary Disk
- Stop Disk Path
- Stop Disk Volume

File Operations

- Change Guardian File Security
- Change Gurdian File Owner
- Change OSS File or Directory Owner
- Change OSS File or Directory Security
- Delete Guardian File
- Delete OSS Directory
- Delete OSS File
- Display OSS File System Usage
- Guardian File Integrity
- Guardian File Locks
- Guardian File Openers

Memory and Processors Operations

- Display CPU Metrics
- Display CPU Utilization
- Display Disk Volumes and How Full
- Display Free Memory
- Display Memory Metrics
- Display Number of Processors
- Display OSS File Systems and How Full

Network Operations

- Abort CLIM
- Abort Provider
- Change Physical Ethernet Interface Jumbo Frame Mode
- Change Physical Ethernet Interface MAC Address
- Configure IP Data Provider
- Configure IP or Telco CLIM
- Configure Physical Ethernet Interface IP Address
- Configure Physical Ethernet Interface
- Display All Ethernet Interface Status
- Display All Provider Status
- Display CLIM Status
- Display Network Metrics
- Display Open Sockets
- Display Physical Ethernet Interface Status
- Display Provider Status
- Ping
- Start CLIM

Start Physical Ethernet Interface
Start Provider
Stop CLIM
Stop Physical Ethernet Interface
Stop Provider
Trace Route
Turn Off Physical Ethernet Interface Autonegotiation
Mode
Turn On Physical Ethernet Interface Autonegotiation
Mode

NonStop Remote Command

OS and Server Operations

Check Time Duration
Display Current Time
Display Last Boot Time
Display OS Info
Get Active OSS Users
Get Guardian Users

Process Operations

Abort Guardian Persistent Process
Change Guardian Process Priority
Check Guardian Process by File Name
Check Guardian Process by PID
Check Guardian Process by Process Name
Check Guardian Process Pair by Process Name
Check OSS Process by File Name
Check OSS Process by PID
Display Looping Guardian Processes
Display Looping OSS Processes
Get Guardian Process List
Get OSS Process List
Get PID from Guardian Process Name
Run Guardian Process
Run OSS Process with Changed Default Priority
Run OSS Process
Start Guardian Persistent Process
Stop Guardian Process
Stop OSS Process

oo10-se-cp-1.0.5 1.0.5

Storage Essentials Content for OO 10.x

Library

Accelerator Packs

Storage Automation

Add Or Remove HBA

Add or Remove HBA from Volume ACL - Approve Change Ticket and Execute

Add or Remove HBA from Volume ACL - Create Change Ticket

Add or Remove HBA from Volume ACL - Execute using Change Ticket

Add or Remove HBA from Volume ACL

Manage Volume ACL

Backup

Create Backup Job

Create Backup Job by Creating New Policy

Edit Backup Selection Details in Policy

Edit Clients in Policy

Edit Schedules in Policy

Deploy NetBackup Agents and Add to Backup Process

Add Servers to Backup Process and Start Backup

Add Servers to Backup Process

Deploy and Install Software on Servers

Deploy NetBackup Agents and Add to Backup Process

Deploy NetBackup Agents on Servers and Add to Backup Process

Restart Failed Job

Fix Network Failure and Restart Failed Job

Provision Additional Storage to Disk Storage Unit and

Restart Failed Job

Restart Failed NetBackup Job

De-Provisioning

De-Provision a LUN

Delete Host Security Groups When No Volumes Mapped

Delete Storage Volumes

Get All Disk Groups and Free Size for Database Instance

Get All Host Security Groups for a Storage Volume

Get All Paths in PBTL Form

Path De-Provisioning

Reclaim Storage Space from Given Oracle Disk Groups

Reclaim Storage Space from Oracle Database if Free Space

Greater than Given Size Limit

Unmap Volume from Host Security Groups

Deploy and Discover SE CIM Agents

Deploy and Discover SE Agent on Servers

Deploy and Discover SE CIM Agents

Deploy Software on Server

Discover SE Agent

Get IP Addresses from IP Range

Get IP Addresses from IP Ranges

Get SA Agents Name for the IP Range

Is Remediation Completed

Deprecated

- Add or Remove HBA from volume ACL - using Change Ticket
- Add or Remove HBA from Volume ACL
- Create Change Ticket - Add or Remove HBA from Volume ACL
- Create Change Ticket - Provision Storage for a Server

Oracle Data Migration

- Auto Migrate Oracle ASM DataBases
- Find Old LUN Details from Oracle ASM
- Get Oracle ASM Disk Details
- Oracle Data Migration
- Provision Storage for a server using Storage Essentials - using Change Ticket
- Provision Storage for a server using Storage Essentials

Oracle Data Migration

- Add New Disks to Oracle ASM Diskgroups to Replace Old Disks
- Auto Migrate Oracle ASM Databases
- Check if Zone Creation Required
- Create Logical Volume for the given Storage Volume List on Windows Host
- Create New Storage Volumes to Replace Old Storage Volumes
- Drop Oracle ASM Disks from Disk Group
- Drop Oracle Disk from Disk Group
- Find Old LUN Details from Host
- Find Old LUN Details from Oracle ASM
- Find Old LUN Details from SE
- Get Oracle ASM Disk Details
- Oracle Data Migration
- Windows Oracle Provisioning - Expand given Oracle Disk Group

Provisioning

- End-to-End Host Storage Provisioning
- End-to-End Oracle Storage Provisioning

HP-UX

- Create Logical Volume on HP-UX Host for Oracle
- Create Logical Volume on HP-UX Host
- HPUX Oracle Provisioning - Expand Oracle Disk Group

Linux

- Create Logical Volume on Linux Host
- Oracle Provisioning if Free Space Less than the Given Size Limit

Storage Provisioning

- Find Suitable Storage and Provision to Host
- Provision Storage to Host - Create Change Ticket
- Provision Storage to Host - Execute using Change Ticket
- Provision Storage to Host - Update and Approve Change Ticket and Execute
- Provision Storage to Host
- Provision Storage to the Selected Host

VMWare

- Create Virtual Disk on a VM
- Create VMFS Volume on VMware Host
- End-to-End VMware Storage Provisioning

Windows

- Create Dynamic Disk on Windows Host
- Create Extended Logical Drive on Host
- Create Logical Volume on Windows Host for Oracle
- Create Logical Volume on Windows Host
- Windows Oracle Provisioning - Expand Oracle Disk Group

Replace HBA

- Replace HBA - Approve Change Ticket and Execute

- Replace HBA - Create Change Ticket
- Replace HBA - Execute Using Change Ticket
- Replace HBA in Host Security Groups
- Replace HBA in Zones
- Replace HBA

Utility

- Delete Host Security Groups
- Discover and Get Details
- Find Arrays in Zone with Host
- Find Arrays not in Zone with Host
- Get All Element Details
- Refresh Element Details
- Refresh SE on UCMDB

Zoning

- Create and Activate Zone(s)
- Create Zone Alias with Multiple Inputs
- Create Zone Set with Multiple Inputs
- Create Zone with Multiple Inputs

Integrations

Hewlett-Packard

Storage Automation

Backup

NetBackup

NetBackup Management

Utility Operations

- Get Description for NetBackup
- Status Code

Windows

- Get Client Install Location
- Get Master Server Install Location

Host Properties

Clients

- Add Client to Policy
- Check if Client Exists in Policy
- Delete Clients from Policy
- Get All Clients from Policy
- Get Client
- Modify Client in Policy

Jobs

- Get All Job IDs
- Get Job
- Manage All Jobs

Policies

Backup Selections

- Add Path or File Names to Policy
- Delete Path or File Names from Policy
- Get All Path or File Names from Policy
- Modify Path Names in Policy
- Copy Policy
- Create Policy

- Delete Policy
- Get All Policies
- Get Policy Attributes

Schedules

- Add Schedule to Policy
- Check if Schedule Exists in Policy
- Delete Schedules from Policy
- Get All Schedules from Policy
- Get Schedule
- Modify Schedule in Policy
- Set or Modify Policy Attributes
- Restore Backup Copy
- Start Backup on Master Server
- Start Backup or Archive on Client

Storage

- Get Backup Target for given Volume

Storage Units

- Check if Storage Unit Exists
- Create Disk Storage Unit
- Delete Storage Unit

Deprecated

- Change Approval Decision Operation for Add or Remove HBA
- Change Approval Decision Operation for Storage Provisioning
- Free Provisioned Objects
- Get HBA Ports for Host
- Get Hosts Managed by Storage Essentials CMS
- Get Storage Systems connected to HBA port
- Get Storage Volumes for HBA port
- Manage ACLs for HBA Port
- Provision Storage to a Host

Telnet

- ASM Disk Stamping
- Validate SE CMS
- Validate Volume Details for Creation

SSH

- Create ASM LV
- Create Logical Volume
- Create Minor Number
- IOscan Cmd

Storage Automation Toolkit

Discovery

- Add Default User
- Add Discovery Address Range
- Add Or Update Discovery Address
- Create Or Update Database
- Distribute Collection Schedules
- Export Discovery List
- Get Addresses and Element Names for IP Range

- Get Addresses and Element Names for IP
- Get All Element Details
- Get Discovery Status
- Get Topology
- Import Discovery List
- Is Refresh Element Details In Progress
- Refresh Element Details
- Remove Database
- Remove Discovery Address
- Start Discovery

Fabric

- Get All Fabrics
- Get All FC Ports
- Get Fabric Name for a specified Port
- Get Fabric Port WWNs Mapping
- Get Zone Aliases For a specified Port
- Get Zones For a specified Port
- Is Ports Connected

Switch

- Get All Switch Ports
- Get All Switches
- Get Switch Current Capacity
- Get Switch Historical and Projected Capacity
- Get Switch

Zone

- Activate Zone
- Create Zone
- Deactivate Zone
- Delete Zone
- Get All Zones
- Get Zone
- Update Zone

Zone Alias

- Create Zone Alias
- Delete Zone Alias
- Get All Zone Aliases
- Get Zone Alias
- Update Zone Alias

Zone Set

- Activate Zone Set
- Create Zone Set
- Delete Zone Set
- Get All Zone Sets
- Get Zone Set
- Update Zone Set

General

- Convert Provisioning Details To XML
- Get All Paths For Given Elements
- Modify Provisioning Details In XML
- Parse Provisioning Details From XML
- Refresh Materialized View
- Refresh SE On Ucmdb
- SE Connection
- Set Custom Name

Host

- Get All Hosts For OS and Application Type
- Get All Hosts
- Get All Paths

- Get Disk Names
- Get Host Current Capacity
- Get Host Historical and Projected Capacity
- Get Host

HBA

- Add access to HBA Port for a Storage Volume
- Get mapped Storage Volumes for a HBA port
- Get Storage Systems connected to HBA port
- Get Zones For HBA port
- Remove access to HBA port for a Storage Volume
- List Of Ports In Same Fabric

Risk Analysis

- Identify Critical Links for Application
- Identify Critical Links for Host
- Identify Critical Switches for Application
- Identify Critical Switches for Host
- Identify is Application Clustered
- Identify is Host Clustered
- Identify Performance Bottle Necks for Application
- Identify Slowest Ports in Application Path
- Identify Slowest Ports in Host Storage Path
- List Storage Paths for Application
- List Storage Paths for Host
- Show Impact of Device

Storage System

- Find Storage Systems In Zone With HBA Port
- Find Storage Systems Not In Zone With HBA Port
- Find Suitable Storage From List
- Get All FC Ports
- Get All Storage System
- Get Storage System Current Capacity
- Get Storage System Historical and Projected Capacity
- Get Storage System

Host Security Group

- Add Access to HBA Port
- Create Host Security Group
- Delete Host Security Group
- Get All Host Security Groups
- Get Host Security Group
- Map Storage Volume
- Remove Access to HBA Port
- Set Name
- Unmap Storage Volume

Storage Pool

- Delete Storage Pool
- Get All Storage Pools
- Get Storage Pool

Storage Volume

- Create Storage Volume
- Delete Storage Volume
- Get All Storage Volumes
- Get Mapped HBA Ports For Storage Volume
- Get Storage Volume

Utility Operations

- checkNotBlank
- checkOSType
- Decision Operation
- incrementor
- List Map
- List Merge
- sizeConvertor
- Validate IP Address
- Validate WWN

Windows Utility

- Create Windows Host Drive Script
- Disk Partition Rescan Cmd
- Disk Partition Run Script Cmd
- Disk Partition Run Script SQL
- Disk Partition Run Script

Base 1.20.0

Base Content Pack contains flows and operations to be used in every automation use case. Inside you can find technologies such as HTTP Client, Email, Remote Command, XML\JSON processing and many others.

Dependencies:

Base Content Pack does not depend on any other Content Pack.

Library

Accelerator Packs

Active Directory

Deprecated

Diagnostics

- DNS Event Check
- Is Account Locked (1)
- Is Account Locked (2)
- Is Account Locked (3)
- Is Account Locked

- Find Inactive Domain Administrators

- Find Inactive Users

- Fix Root Hints

Health Check

- Verify SRV Record 1
- Verify SRV Record

Utility

- Create New User (1)
- Create New User Group (1)
- Create New User Group
- Create New User

Diagnostics

- DNS Event Check
- Is Account Locked

- Find Inactive Domain Administrators

- Find Inactive Users

- Fix Root Hints

Health Check

- Verify SRV Record

Utility

- Create New User Group
- Create New User

Network

Connectivity

- Connectivity Test

Diagnostics

- Deep Connectivity Diagnostic

Deprecated

- Deep Connectivity Diagnostic
- Multihost Connectivity Diagnostic
- TraceRoute Diagnostic

- Multihost Connectivity Diagnostic

- TraceRoute Diagnostic

- Iterative Connectivity Test

- Operator Server Connectivity Check

Deprecated

- ConnectivityTest
- Displayed URL Test
- Email URL Test
- Find pages with Dead Links
- Iterative Connectivity Test
- Operator Server Connectivity Check
- Simple SMTP Check

Web Pages

- Find Pages with Dead Links
- Single-page Link Checker
- URL Test
- Web site Health Check

How Do I flows

- How do I- Create a parallel flow
- How do I- Format with HTML
- How do I- Iterate through a list
- How do I- Reference flow variables
- How do I- Use a multi-instance step

Operations

Active Directory

- AD Time Stamp To Date

Computers

- Create Computer Account
- Delete Computer Account
- Disable Computer Account
- Enable Computer Account
- Get Computer Account OU
- Is Computer Account Enabled
- Move Computer Account to OU
- Reset Computer Account

- Convert RID to DN

- Copy Root Hints

- Date To AD Time Stamp

Deprecated

- Get Configuration DN
- Get Domain DN

Users

- Set User Terminal Services Configuration

- Event 5509

- Get Configuration DN

- Get Domain DN

- Get Servers

- Get Workstations

Groups

- Add User To Group

- Create Group

- Delete Group

- Find a Group In Parent Groups

- Get Groups

- Get Inactive Users By Group

- Is User Directly in Group

- Is User in Group

- Remove User from Group

- Query for PDC Emulator

- Restartable DNS Events

Samples

- Check User Credentials
- Reset User Account Password
- User Group Sample

Users

- Authenticate User
- Create User From Template
- Create User
- Delete User
- Disable User
- Enable User
- Generate Random Password
- Get Inactive Users
- Get Last Login Time
- Get Users
- Is User Enabled
- Reset Password
- Set User Account
- Set User Address
- Set User Dialin
- Set User Environment
- Set User General Information
- Set User Organization
- Set User Profile
- Set User Remote Control
- Set User Sessions
- Set User Telephone Information
- Set User Terminal Services Configuration

Java

Computers

- Create Computer Account
- Delete Computer Account
- Disable Computer Account
- Enable Computer Account
- Get Computer Account OU
- Is Computer Account Enabled
- Move Computer Account To OU
- Reset Computer Account

Groups

- Add User To Group
- Create Group
- Delete Group
- Remove User From Group

Samples

- Test Computer Account Sample
- Test Groups Sample
- Test Users Sample

Users

- Authenticate User
- Create User
- Delete User
- Disable User
- Enable User
- Is User Enabled
- Reset Password
- Update User Details

Ant

- Ant Script

Build Ant Command

Databases

JDBC

Deprecated

SQL Script

Get All Rows

Samples

Custom Driver Command

Custom Driver Query

Test SQL Query LOB Sample

SQL Command

SQL Query All Rows

SQL Query LOB

SQL Query Tabular

SQL Query

SQL Script

Email

Deprecated

Get Mail Message Count

Get Mail Message

Send Mail - Windows Only

Get Mail Attachment

Get Mail Message Count

Get Mail Message

Send Mail

SMTP

Check SMTP Server

samples

Check EHLO

Test and Send Email

Excel

Add Excel Data

Delete Cell by Condition

Delete Cell

Get Cell by Condition

Get Cell

Get Row Index by Condition

Modify Cell by Condition

Modify Cell

New Excel Document

File System

Cross Platform

Create Zip

Deprecated

Append to File

FS MD5 Sum

Read from File

Samples

MD5 Sum Sample

Extract Zip

FS Copy

FS Create Directory

FS Create Temp File

FS Delete

FS Exists

FS Get Children

FS Hidden

- FS Is Directory
- FS MD5 Sum
- FS Modified
- FS Move
- FS Readable
- FS Rename
- FS Size
- FS Writeable
- Read from File

Samples

- Create Temp File Sample
- Directory Tree Traversal Sample
- Get Children Sample
- Hidden Sample
- Is Directory Sample
- MD5 Sum Sample
- Modified Sample
- Move Sample
- Readable Sample
- Rename Sample
- Size Sample
- Writeable Sample

Utilities

- File Path Parser
- Write to File

Windows Only

- Convert to UNC
- Create Zip

Deprecated

- Append to File
- Create Zip

Excel

- Delete Excel Data
- Excel
- Get Excel Data
- Modify Excel Data
- Select Excel Row
- Select Row Range
- Select Row(s)

- FS Accessed
- FS Copy
- FS Created
- FS Delete
- FS Exists
- FS Get Children
- FS Is Directory
- FS MD5 Sum(1)
- FS MD5 Sum
- FS Modified
- FS Move
- FS Properties (1)
- FS Properties (2)
- FS Properties
- FS Rename
- FS Security Properties
- FS Set Attributes (1)
- FS Set Attributes
- FS Set Security Properties
- FS Size

Local Delete
Local Zip
Read File (1)
Read File
Read Ini File (1)
Read Ini File
Remote Delete
Remote Zip

Samples

Directory Tree Traversal Sample
MD5 Sum Sample
Properties Sample

Set Properties
Write Ini File (1)
Write Ini File
Write to File

FS Accessed
FS Convert Path To UNC
FS Copy Inter Machines
FS Copy
FS Create Directory
FS Create Temp File
FS Created
FS Delete
FS Exists
FS Get Children
FS Is Directory
FS MD5 Sum
FS Modified
FS Move
FS Properties
FS Rename
FS Security Properties
FS Set Attributes
FS Set Security Properties
FS Size
Read File
Read Ini File

Samples

Accessed Sample
Create Temp File Sample
Created Sample
Directory Tree Traversal Sample
Get Children Sample
Is Directory Sample
MD5 Sum Sample
Modified Sample
Move Sample
Properties Sample
Read File Sample
Rename Sample
Size Sample

Set Properties
Write Ini File
Write to File

Groovy

Groovy Script

HTTP Client

v1

Deprecated

- Form Extractor
- Form Single Input Extractor
- HTML Parser (1)
- HTML Parser
- HttpClientGet
- Iterative HTML Parser
- Find URL References
- Form Extractor
- Form Single Input Extractor
- HTML Parameter Extractor
- HTML Parser
- Http Client Delete
- Http Client Detailed Return
- Http Client Get to File
- Http Client Get
- Http Client Head
- Http Client Multipart Post
- Http Client Options
- Http Client Patch
- Http Client Post Raw
- Http Client Post
- Http Client Put Binary
- Http Client Put
- Http Client Trace
- Iterative HTML Parser
- Recursive Link Checker

Samples

- Check URL via Http Client Get

Deprecated

- Check URL via Http Client Get
- Determine Results

- Timed Get

v2

- Http Client Delete
- Http Client Get
- Http Client Head
- Http Client Multipart Post
- Http Client Options
- Http Client Patch
- Http Client Post Raw
- Http Client Post
- Http Client Put
- Http Client Trace
- Http Client
- Http Parse Header

Samples

- Form-based Login
- Spring Form-based Login

Utilities

- Get JSessionId Header
- URL Encoder

JVM

Deprecated

- JVM Low Memory Check
- JVM Memory Usage Statistics
- JVM Low Memory Check

LDAP

Deprecated

- Get All LDAP Properties (1)
- Get All LDAP Properties
- Get LDAP Properties (1)
- Get LDAP Properties
- LDAP Add Property Value (1)
- LDAP Add Property Value
- LDAP Get Child Objects (1)
- LDAP Get Child Objects (2)
- LDAP Get Child Objects
- LDAP Get Property Value (1)
- LDAP Get Property Value (2)
- LDAP Get Property Value (3)
- LDAP Get Property Value
- LDAP Object Exists (1)
- LDAP Object Exists
- LDAP Remove Property Value (1)
- LDAP Remove Property Value
- LDAP Search (1)
- LDAP Search (2)
- LDAP Search Next Result (1)
- LDAP Search Next Result
- LDAP Search
- LDAP Set Property Value (1)
- LDAP Set Property Value
- LDAP Add Property Value
- LDAP Get All Properties
- LDAP Get Child Objects
- LDAP Get Properties
- LDAP Get Property Value
- LDAP Object Exists
- LDAP Remove Property Value
- LDAP Search Next Result
- LDAP Search
- LDAP Set Property Value

Java

Deprecated

- LDAP Get Child Objects (1)
- LDAP Get Child Objects
- LDAP Get Property Value (1)
- LDAP Get Property Value
- LDAP Search (1)
- LDAP Search

Samples

- Get All LDAP Properties Sample
- LDAP Java CN Sample
- LDAP Java Get Property Value Sample
- LDAP Java OU Sample
- LDAP Get Child Objects
- LDAP Get Properties
- LDAP Get Property Value
- LDAP Object Exists
- LDAP Search All Results
- LDAP Search Next Result
- LDAP Search

LDAP Set Property Value

Samples

LDAP Java CN Sample

LDAP Java Get Property Value Sample

LDAP Java OU Sample

LDAP Search All Results Sample

MS Cluster

Change Clustered Resource Status

Deprecated

Cluster Nodes

Start Cluster Node

Is Clustered Resource

Remove Server From Cluster

Failover Resources From Server

Get Cluster Nodes

Get Clustered Resource Owner

Get Clustered Resource State

Get Clustered Resources

Is Clustered Resource

Move Cluster Group

PowerShell

Cluster

Get Cluster

Start Cluster

Stop Cluster

Cluster Access

Block Cluster Access

Get Cluster Access

Grant Cluster Access

Remove Cluster Access

Cluster Disks

Clear Cluster Disk Reservation

Get Cluster Available Disk

Cluster Groups

Add Cluster Group

Get Cluster Group

Move Cluster Group

Remove Cluster Group

Start Cluster Group

Stop Cluster Group

Cluster Log

Get Cluster Log

Set Cluster Log

Cluster Networks

Get Cluster Network Interface

Get Cluster Network

Update Cluster IP Resource

Cluster Nodes

Add Cluster Node

Clear Cluster Node

Get Cluster Node

Remove Cluster Node

Resume Cluster Node

Start Cluster Node

Stop Cluster Node

Suspend Cluster Node

Cluster Owner Nodes

- Get Cluster Owner Node
- Set Cluster Owner Node

Cluster Quorum

- Get Cluster Quorum
- Set Cluster Quorum

Cluster Resource Dependencies

- Add Cluster Resource Dependency
- Get Cluster Resource Dependency Report
- Get Cluster Resource Dependency
- Remove Cluster Resource Dependency
- Set Cluster Resource Dependency

Cluster Resource Types

- Add Cluster Resource Type
- Get Cluster Resource Type
- Remove Cluster Resource Type

Cluster Resources

- Add Cluster Resource
- Get Cluster Resource
- Move Cluster Resource
- Remove Cluster Resource
- Resume Cluster Resource
- Start Cluster Resource
- Stop Cluster Resource
- Suspend Cluster Resource
- Test Cluster Resource Failure

Cluster Shared Volumes

- Add Cluster Shared Volume
- Get Cluster Shared Volume
- Move Cluster Shared Volume
- Remove Cluster Shared Volume

- Run Failover Cluster Cmdlets

Network

- Connection Tester

Deprecated

- Ping Latency
- Ping Loss
- Ping Sample
- Ping with WMI
- Ping
- Remote Ping
- Remote Traceroute

Samples

- Windows RAS Ping Sample
- Windows RAS Traceroute Sample
- Traceroute Sample
- Traceroute with WMI
- tracert
- Windows RAS Ping
- Windows RAS TraceRoute

DNS

- Compare Server Names

Deprecated

- Compare Server Names (1)
- Compare Server Names
- CompareServerNames
- DNS Lookup New (1)
- DNS Lookup New (2)
- DNS Lookup New

- DNS Ping Compare (1)
- DNS Ping Compare (2)
- DNS Ping Compare
- DNSLookup
- Reverse DNS Lookup (1)
- Reverse DNS Lookup
- ReverseDNSLookup

Samples

- Compare Server
- Reverse DNS Lookup

DIG

- DNS Lookup
- DNS Ping Compare
- Reverse DNS Lookup

Samples

- Compare Server
- DIG
- DNS Lookup
- Reverse DNS Lookup

Local Ping

Local Traceroute

Ping

Port Ping

Port Scanner

Deprecated

- Port Scanner

samples

- Port Scanner (1)
- Port Scanner

Port Scanner

Sample

- Port Scanner

Traceroute

Utilities

- Convert Netmask
- Subnet Iterator

Operating Systems

AIX

Disk and File Operations

- Delete File
- Disk Metrics
- Disk Usage
- Get Extended IO Information
- Get File System List
- Get Last Log Messages
- Get Last Log Time and Message
- Largest File

Memory and Processor Operations

- CPU Metrics
- Get vmstat Information
- Memory Metrics

Network Operations

- Check Network Interface for Errors
- Network Metrics
- Ping
- Trace Route

OS and Server Operations

- Current Time
- Get Active Users
- Get Fileset Version
- Get Last Boot Time
- Get Load Averages
- Get OS Name
- Get Processor Count
- Reboot Server
- Uptime

Process Operations

- Check Process By Command Line
- Check Process by PID
- Get Process List
- Kill Process
- Kill-9 Process
- Process Metrics
- Run Service

Cross Platform

Deprecated

- Command Line
- Operating System Detector

Utilities

- Execute WS-Management Query

FreeBSD

Deprecated

- Check Process By Command Line
- Check Process by PID
- Check Process Output
- Check Retry Count
- CPU Metrics
- Current Time
- Disk Usage FreeBSD 7.0
- Disk Usage
- Get File System List
- Get Last Boot Time
- Get Last Log Time and Message
- Get Load Averages
- Get OS name
- Get Process List
- Get Processor Count
- Kill Process
- Kill-9 Process
- Memory Metrics
- Network Metrics
- Reboot server
- Run Service
- Uptime
- Wait

Disk and File Operations

- Disk Usage
- Get File System List
- Get Last Log Time and Message

Memory and Processor Operations

- CPU Metrics
- Memory Metrics

Network Operations

- Interface Info
- Network Metrics

OS and Server Operations

- Current Time
- Get Last Boot Time
- Get Load Averages
- Get OS Name
- Get Processor Count
- Reboot server
- Uptime

Process Operations

- Check Process By Command Line
- Check Process by PID
- Check Process Output
- Get Process List
- Kill Process
- Kill-9 Process
- Run Service

HP-UX

Disk and File Operations

- Delete File
- Disk Metrics
- Disk Usage
- Get Extended IO Information
- Get File System List
- Get Last Log Message
- Get Last Log Time and Message
- Largest File

Memory and Processor Operations

- CPU Metrics
- Get vmstat Information
- Memory Metrics

Network Operations

- Check Network Interface for Errors
- Network Metrics
- Ping
- Trace Route

OS and Server Operations

- Current Time
- Get Active Users
- Get Last Boot Time
- Get Load Averages
- Get OS Name
- Get Package Version
- Get Processor Count
- Reboot Server
- Uptime

Process Operations

- Check Process By Command Line
- Check Process by PID
- Get Process List
- Kill Process
- Kill-9 Process
- Process Metrics
- Run Service

Linux

Logs

- Archive Delete Files
- Delete or Archive
- Get Archive Name

List Files
Log Analyzer

Samples

Deprecated

Linux Log File Backup
Log Analyze
Linux Log File Backup
Log Analyze

Red Hat

Deprecated

Check process by name
Check process by PID
Compare durations
CPU Usage
Delete File

Disk and File Operations

Delete File
Disk Metrics
Disk Usage
Get Extended IO Information
Get File System List
Get Last Log Messages
Get Last Log Time and Message
Largest File

Disk Usage
Get Active Users
Get Delete File Information
Get Recently Modified File Information
Kill Process
Kill-9 Process
Largest File
Last Modified

Memory and Processor Operations

CPU Metrics
Get vmstat Information
Memory Metrics

Network Metrics

Network Operations

Check Network Interface for Errors
Ping
Trace Route

OS and Server Operations

Current Time
Get Active Users
Get Last Boot Time
Get Load Averages
Get OS name
Get Package Version
Get Processor Count
Reboot server
Uptime

Ping average time

Ping

Process Operations

Check Process By Command Line
Check Process by PID
Get Process List
Kill Process
Kill-9 Process

Process Metrics
Run Service
Process using the most CPU time
Reboot server

Samples

check process by name sample
Check process by pid sample
Compare Durations SAMPLE
CPU_USAGE_SAMPLE
Delete File Sample
Disk Usage Sample
Get Active Users Sample
Kill Process Sample
Kill-9 Process
Largest File Sample
LastModified
Ping Average Time Sample
Process using the most CPU time Sample
reboot server sample
Wait Sample
Trace Route
Wait

Disk and File Operations

Delete File
Disk Metrics
Disk Usage
Get Extended IO Information
Get File System List
Get Last Log Messages
Get Last Log Time and Message
Largest File

Memory and Processor Operations

CPU Metrics
Get vmstat Information
Memory Metrics

Network Operations

Check Network Interface for Errors
Network Metrics
Ping
Trace Route

OS and Server Operations

Current Time
Get Active Users
Get Last Boot Time
Get Load Average
Get OS Name
Get OS Version
Get Package Version
Get Processor Count
Reboot server
Uptime

Process Operations

Check Process By Command Line
Check Process by PID
Get Process List
Kill Process
Kill-9 Process
Process Metrics
Run Service

Scripts

- Copy Script From Localhost
- Copy Script From Remote host
- Remote Linux File Deleter
- Remote Linux Script File Runner
- Remote Or Local

Samples

Deprecated

- Remote Script Runner
- Remote Script Runner

SUSE Linux

Deprecated

Disk and File Operations

- Delete File
- Disk Usage
- Get File System List
- Get Last Log Messages
- Get Last Log Time and Message
- Largest File

Memory and Processor Operations

- CPU Metrics
- Get vmstat Information
- Memory Metrics

Network Operations

- Check Network Interface for Errors
- Network Metrics
- Ping
- Trace Route

OS and Server Operations

- Current Time
- Get Active Users
- Get Last Boot Time
- Get Load Averages
- Get OS name
- Get Package Version
- Get Processor Count
- Reboot server
- Uptime

Process Operations

- Check Process By Command Line
- Check Process by PID
- Get Process List
- Kill Process
- Kill-9 Process
- Process Metrics
- Run Service

Disk and File Operations

- Delete File
- Disk Usage
- Get File System List
- Get Last Log Messages
- Get Last Log Time and Message
- Largest File

Memory and Processor Operations

- CPU Metrics
- Get vmstat Information
- Memory Metrics

Network Operations

- Check Network Interface for Errors

Network Metrics

Ping

Trace Route

OS and Server Operations

Current Time

Get Active Users

Get Last Boot Time

Get Load Averages

Get OS Name

Get Package Version

Get Processor Count

Reboot server

Uptime

Process Operations

Check Process By Command Line

Check Process by PID

Get Process List

Kill Process

Kill-9 Process

Process Metrics

Run Service

Solaris

Deprecated

Check notify option

Check retry count

Check time duration

Check Uptime Threshold

Compare durations

Create Health Report

Disk and File Operations

Check for File Systems near capacity

Check IO information

Delete File (1)

Delete File

Disk Metrics (1)

Disk Metrics

Disk Usage (1)

Disk Usage

Get Delete File Information

Get Device from Mount

Get Extended IO Information (1)

Get Extended IO Information

Get File System List (1)

Get File System List

Get Last Log Messages (1)

Get Last Log Messages

Get Last Log Time and Message

Get Last Log Time

Get Recently Modified File Information

Largest File (1)

Largest File

Last Modified (1)

Last Modified

Format Disk Space Information

Format Display Information

Memory and Processor Operations

Check Processor Status

CPU Metrics (1)

CPU Metrics

- CPU Usage
- Get Processor Count (1)
- Get Processor Count
- Memory Metrics
- Message in the last 15 minutes
- Minutes Since Last Log Message
- Network Operations**
 - Check Latency
 - Check Network Interface for Errors (1)
 - Check Network Interface for Errors
 - Network Metrics
 - Ping average time
 - Ping
 - Trace Route (1)
 - Trace Route (2)
 - Trace Route
- Notify
- OS and Server Operations**
 - Get Active Users (1)
 - Get Active Users
 - Get Last Boot Time (1)
 - Get Last Boot Time
 - Get Load Averages (1)
 - Get Load Averages
 - Get OS Name (1)
 - Get OS name
 - Get Patches (1)
 - Get Patches
 - Has Patch (1)
 - Has Patch
 - Reboot (1)
 - Reboot server
 - Reboot
 - Uptime (1)
 - Uptime
- Performance Counters**
 - CPU**
 - CPU - busy percent
 - CPU - idle percent
 - CPU - system percent
 - CPU - user percent
 - Disk**
 - Disk - average busy percent
 - Disk - average KB reads per second
 - Disk - average KB writes per second
 - Disk - average reads per second
 - Disk - average service time in wait queue
 - Disk - average service time
 - Disk - average transactions serviced
 - Disk - average transactions waiting
 - Disk - average wait percent
 - Disk - average writes per second
 - Disk - current busy percent
 - Disk - current KB reads per second
 - Disk - current KB writes per second
 - Disk - current reads per second
 - Disk - current service time in wait queue
 - Disk - current service time
 - Disk - current transactions serviced

- Disk - current transactions waiting
- Disk - current wait percent
- Disk - total errors

Memory

- Memory - anticipated shortfall
- Memory - free memory
- Memory - free swap
- Memory - minor faults
- Memory - page frees
- Memory - page reclaims
- Memory - pages in
- Memory - pages out
- Memory - pages scanned

Network

- Network - Collisions
- Network - Input Errors
- Network - Input Packets
- Network - Output Errors
- Network - Output Packets
- Network - Queue

Threads

- Threads - blocked
- Threads - in run queue
- Threads - swapped

Process Operations

- Check for Blocked Threads (1)
- Check for Blocked Threads
- Check Load versus Procs
- Check Process By Command Line (1)
- Check Process By Command Line
- Check process by name
- Check Process by PID (1)
- Check process by PID
- Check Process Output
- Check Processor Status
- Get Active Process Statistics
- Get PID for Process
- Get Process from PID
- Get Process List (1)
- Get Process List
- Kill Process (1)
- Kill Process
- Kill-9 Process (1)
- Kill-9 Process
- Kill-9 Process (2)
- Process using the most CPU time
- Run Service (1)
- Run Service
- Threads Metrics

Samples

- Check for IO Anomalies
- Check For Processes
- Check For Processors Off Line
- Check for Recent Log Messages
- Check Load Average
- Check Network Interfaces
- Check System For Blocked Threads
- Display File Systems and How Full
- Display Free Memory

- Display Last Boot Time
- Display number of processors
- Display OS and Patch Info
- Get Active Users Sample
- Get PID from Process Name
- Recent Reboot
- Sample Perf Counter Flow
- Set up retry count
- Wait

Disk and File Operations

- Delete File
- Disk Metrics
- Disk Usage
- Get Device from Mount
- Get Extended IO Information
- Get File System List
- Get Last Log Message
- Get Last Log Time and Message
- Largest File
- Last Modified
- Format Display Information

Memory and Processor Operations

- Check Processor Status
- CPU Metrics
- Get Processor Count
- Memory Metrics

Network Operations

- Check Network Interface for Errors
- Network Metrics
- Ping
- Trace Route

OS and Server Operations

- Get Active Users
- Get Last Boot Time
- Get Load Averages
- Get OS Name
- Get Patches
- Has Patch
- Reboot
- Uptime

Process Operations

- Check for Blocked Threads
- Check Process By Command Line
- Check Process by PID
- Get Active Process Statistics
- Get Process List
- Kill Process
- Run Service
- Threads Metrics

Windows

- Compare queries
- Compare SW installed
- Comparison Report
- Copy and Run Script
- Create Windows Health Report

Deprecated

- Change Service Status
- Check Services List

- CheckAllEventLogs
- Create Windows Health Report
- Get Active Users
- Get Largest File (1)
- Get Largest File
- Get Performance Counter Value
- Operating System Detector (1)
- Operating System Detector (2)
- Operating System Detector

Processes

- Get Process Counters
- Get Process PID
- Get Processes By Name
- Get Task List
- Get Windows Processes
- Remote Command Execution
- Restart Windows Service
- SearchEventLog
- Trace Route

Diagnostics

Deprecated

- Filesystem Diagnostic 2
- Filesystem Diagnostic After W2K
- Filesystem Diagnostic W2K and Before
- Filesystem Diagnostic
- Windows Diagnostic
- Device Diagnostic
- Filesystem Diagnostic After W2K
- Filesystem Diagnostic W2K and Before
- Filesystem Diagnostic
- Iterative CPU Diagnostic
- Load Comparison
- Memory Diagnostic
- Network Diagnostic
- Running Processes Diagnostic
- Windows Cluster Diagnostic
- Windows Diagnostic

Event Logs

- Detect Restarted Windows Server
- Filter Event Log
- Iterative Windows Event Log Diagnostic
- Log Windows Event

Samples

- Log Event Sample
- Search Event Log
- Windows Event Log Diagnostic

- Get Active Users
- Get Average CPU Load
- Get Average Disk Usage
- Get Largest File
- Get Performance Counter Value
- Get Processor Status
- Operating System Detector

Performance Counters

CPU

- Get CPU Usage
- Get Percent DPC
- Get Percent Interrupt Time

Disk

- Get Average Seconds per Disk Read
- Get Average Seconds per Disk Write
- Get Performance Counters

Memory

- Get Available Memory in Megabytes
- Get Memory Pages per Sec
- Get Percent Memory Committed

Ping

Processes

- Get Process Counters
- Get Process PID
- Get Processes By Name
- Get Task List
- Get Windows Processes
- Terminate Process

Registry

- Create Registry Key
- Delete Registry Key
- Delete Registry Value
- Enumerate Registry Key Values
- Enumerate Registry Subkeys
- Read Registry Key Value
- Write Registry Key Value

- Restart Windows
- Run Script from File
- Run Script
- Run WSH Script
- Safely Remove File

Samples

Deprecated

- Clean Logs
- Event log searcher
- Filter and Mailer
- Get Active Users Sample
- Get Stopped Service List
- Local Delete
- WMI Query (1)
- WMI Query
- Event log searcher
- Filter and Mailer
- Get Active Users Sample
- Get Percentage Of Processor Time
- Local Delete
- Local Zip
- OSDetector Sample
- Registry Sample
- Remote Delete
- Remote Zip
- Restart Service - Tutorial Flow
- Restart Windows Server with Wait
- Restart Windows Server
- Sample CPU Flow
- Sample Memory Flow
- Sample Physical Disk Flow
- Select Delete or Zip
- Service Start Mode Sample

subflows

- Get Stopped Service List
- Pick a Service

- Restart Service
- Windows Delete or Zip
- WMI Query

Services

- Change Service Credentials
- Change Service Start Mode
- Change Service Status
- Check Services List
- Does Service Exist
- Get Service List By Start Mode
- Get Service Start Mode
- Reset Windows Service Credentials
- Restart Windows Service
- Service Port Health Check
- Service Status
- Start Service If Automatic

- Trace Route
- Windows Command

Perl

- Perl Script

PowerShell

Cross Platform

- PowerShell Script Action
- Pwsh Script Action

Samples

- Get PowerShell Version

Deprecated

Events

- Get Event Log
- List Event Types
- Unregister Event Source
- Write Event Log (1)
- Write Event Log

Networking

- Configure Network Adapter
- PowerShell Script (1)
- PowerShell Script (2)
- PowerShell Script

Services

- Start Service
- Stop Service

Utility

- Create Local Group
- Create Local User
- Disable Local User
- Enable Local User
- Rename Computer
- Restart Computer
- Shutdown Computer

Events

- Clear Event Log
- Get Event Log
- Limit Event Log
- List Event Types
- Remove Event Log
- Unregister Event Source
- Write Event Log

Get Execution Policy

Networking

Configure Network Adapter

Get Adapter Configuration

List Network Adapters

PowerShell Script

Remoting

Set WinRM Client Policies

Set WinRM Service Policies

Set WinRS Policies

Test PowerShell Remoting

Services

Get Dependent Services

Get Service Dependencies

List Services

Number of Services

Resume Service

Start Service

Stop Service

Suspend Service

Set Execution Policy

Shares

Create Share

Delete Share

List Shares

Utility

Add Computer

Create Local Group

Create Local User

Disable Local User

Enable Local User

Get Date and Time

Get Disk Drives

Get Hotfix

Get Logical Disks

Get Screen Saver

Get WMI Log Level

Remove Computer

Rename Computer

Report Desktop Settings

Report Firewall Configuration

Report Logical Disk Performance

Restart Computer

Set WMI Log Level

Shutdown Computer

Printing

Assign Default Printer

Delete All Printers

Delete Big Print Jobs

Delete Named Printer

Delete Print Job

Delete Specific Printer

File Printer

List Printer Capabilities

List Printer Drivers

List Printers

Modify Printer Availability

Modify Printer Priority

- Monitor Print Queues Times
- Pause All Print Jobs
- Pause Print Job
- Pause Printer
- Pause Printers
- Print Job Information
- Print Jobs IDs
- Print Jobs Statistics
- Print Jobs Status
- Print Jobs
- Print Queues
- Printer Port Properties
- Printer Status
- Purge Print Queue
- Rename Printer
- Resume All Print Jobs
- Resume Print Job
- Resume Printer
- Resume Printers
- Text Printer

Remote Command Execution

Deprecated

- Remote Command Execution
- Remote Command
- Remote Shell 1
- Remote Shell
- Remote Command
- Remote Shell

RSH

- REXEC
- RSH

Samples

- Run REXEC
- Run RSH Command as Root

SSH

Deprecated

- Remote Shell
- SSH (Windows RAS) 2
- SSH (Windows RAS)
- SSH Command
- SSH Shell 1
- SSH Shell

Samples

- SSH Shell Session Sharing Example
- SSH Shell Tunnel Example

- SSH (Windows RAS)

v1

- SSH Command
- SSH Shell Add Tunnel
- SSH Shell Logoff
- SSH Shell Logon
- SSH Shell

v2

- SSH Command
- SSH Shell Add Tunnel
- SSH Shell Logoff
- SSH Shell Logon
- SSH Shell

Telnet

Deprecated

JRAS Telnet Shell

Samples

Telnet Command Sample

RAS Telnet Shell

Samples

Telnet Command Sample

Send Password

Send Username

Telnet Command

Remote File Transfer

Deprecated

Remote Copy (1)

Remote Copy

FTP

Get

Put

Remote Copy

SCP

Deprecated

Remote Secure Copy

Secure Copy(1)

Secure Copy(2)

Secure Copy

SecureCopy

Remote Secure Copy

Samples

Deprecated

Remote Secure Copy Sample

Remote Secure Copy Sample

Secure Copy

Secure Copy

SFTP

Deprecated

SFTP Get 1

SFTP Get

SFTP Put 1

SFTP Put

Samples

SFTP Get Directory Multi Thread

SFTP Get Directory

SFTP Get

SFTP Put

SFTP Chgrp

SFTP Chmod

SFTP Chown

SFTP Create Directory

SFTP Delete Directory

SFTP Delete File

SFTP Exists

SFTP Get Attributes

SFTP Get Children

SFTP Get

SFTP Is Directory

SFTP Ls

SFTP Put

SFTP Rename

WebDAV

Check In
Check Out
Copy
Delete
Exists
Is Collection
Is Locked
Lock
Make Collection
Move
Put from File
Put
Unlock

Sharepoint

Is A Sharepoint

Samples

Is A Sharepoint Sample

SNMP

Deprecated

Samples

GET Next
GET
SET
SNMP Get Next Sample
SNMP Get Sample
SNMP Set Sample
SNMP Trap Sample
testSNMPGet
testSNMPGetNext
testSNMPSet
testSNMPTrap
Trap
SNMP Get Next
SNMP Get Next2
SNMP Get
SNMP Get2
SNMP Set
SNMP Set2
SNMP Trap
SNMP Trap2
SNMPGet
SNMPGetNext
SNMPSetOne
SNMPTrap

Samples

SNMPv2 Get Physical Addresses Sample
SNMPv2 Set Sample

SNMPv2 and v3 Varbind List Appender

v1

SNMPv1 Get Next
SNMPv1 Get
SNMPv1 Set
SNMPv1 Trap
SNMPv1 Varbind List Appender
SNMPv1 Walk

v2

- SNMPv2 Get Bulk
- SNMPv2 Get Next
- SNMPv2 Get
- SNMPv2 Inform
- SNMPv2 Set
- SNMPv2 Trap
- SNMPv2 Walk

v3

- SNMPv3 Get Bulk
- SNMPv3 Get Next
- SNMPv3 Get
- SNMPv3 Inform
- SNMPv3 Set
- SNMPv3 Trap
- SNMPv3 Walk

Wizards

Web Service

Deprecated

- Invoke Method
- Invoke Method 2

WMI

Deprecated

- Formatted WMI Query (1)
- Formatted WMI Query
- Formatted WMI Query
- Invoke WMI Class Method
- Invoke WMI Instance Method
- Set WMI Attribute
- WMI Query Results Transformer
- WMI Query
- Basic WMI Diagnostic

Deprecated

- Basic WMI Diagnostic

Java

Deprecated

- Formatted WMI Query
- Formatted WMI Query
- Invoke WMI Class Method
- Invoke WMI Instance Method
- Set WMI Attribute
- WMI Query Results Transformer
- WMI Query
- WMI CSV Value Getter

WS-Management

Samples

- Enumerate resources
- Single Resource Management

WS-Enumeration

- Enumerate
- Pull
- Release

WS-Transfer

- Create
- Delete

Get
Put

Templates

Blank Flow
Check for Windows Event
Check Windows CPU
Counter Average Threshold

Deprecated

Restart Service
Network Check
Restart Service
Restart Solaris Server

Utility Operations

Base64 Decoder
Base64 Encoder
Chop

Containers

JSON

Add JSON Property to Object
Add Object to Array
Add Property to Object
Add to Array
Array Iterator
Array Size
Convert JSON to XML
Convert Object to Flow Variables
Convert Object to Sensitive Flow Variables
Convert XML to Json
Get Array Entry
Get Array Sublist
Get Object Keys
Get Value from Object
JSON Path
Merge Arrays
Remove Array Entry
Remove Empty Elements

List Map

Lists

Contains All
Generate Report From Lists
Get Element Matching
List Appender
List Item Grabber
List Prepend
List Remover
List Size
List Sort
Trim List

Tables

Get Column from Table
Table Sort

Date and Time

Check Time
Date and Time Comparator
Date Parser
File Date Check
Get Current Date and Time

Get Epoch Time
Is Time Zone Id
Offset Time by
Offset Time from Now
Recently Run
Time Zone Converter

Deprecated

Add JSON Property to Object
Add Object to Array
Add Property to Object
Add to Array
Addition Operation
Array Size
Average Threshold
Average Threshold2
Basic Notify (2)
Basic Notify
Check For Error Text
Command Line Builder
Comparator
Contains All
datainput
Decision Operation
Fail Memory
Get Array Entry
Get Array Sublist
Get Element Values
Get Object Keys
Get Value from Object
Grab Column From Table

http

DELETE
GET
HEAD
OPTIONS
POST
PUT
Incrementor Operation
iterator
List Item Grabber
List Processor
ListAverager
Manual with result
MathOp
Merge Arrays
Notify
Now
ping
RAS Command
Recently Run
Remove Array Entry
Secure Shell
Set Global Context Value
Step Result Appender
Step Result Prepend
String Comparator
Temp File Reader
Trim List
Wait

Wait2

XML Attribute Filter

Display Message

Flow Variable Manipulation

Check Null

Clear Flow Variable

Clear Global Flow Variable

Do Nothing With Two Responses

Do Nothing

Flow Variable Resolver

Set Flow Variable

Set Flow Variables

Set Global Flow Variable

Set Sensitive Flow Variables

Generate Hash

Generic Diagnostic

HTML Formatting

HTML Link Formatter

HTML String Formatter

HTML Table Formatter

Samples

HTML Formatter Sample

Looping

Counter

List Iterator

Loop

Selection List Iterate

Manual

Math and Comparison

Alphabetical String Comparator

Average Threshold

Base Converter

Double Comparator

Evaluate Expression

Simple Evaluators

Addition

Divider

Equal

Greater Than or Equal

Greater Than

Less Than or Equal

Less Than

Multiply

Not Equal

Power

Subtraction

Statistics

Analyze List

Analyze Table Columns

Check Trend

String Comparator

String Equals

Notify

Random Number Generator

Samples

Generate Random Number

Resolve Context Values to String

Sample XPath Query
Search and Replace
Sleep
String Occurrence Counter
Temp File Reader
UUID Generator

XML Processing

Edit XML
Validate XML Document
XML Element Filter
XML Get Attributes
XML Get Element Value
XPath Evaluator from File
XPath Evaluator
XPath Query from File
XPath Query
XSL Transformation

Business Applications 2.1.5

Business Application Content Pack contains flows and operations that automate applications such as Microsoft Exchange.

Dependencies:
oo10-base-cp

Library

Accelerator Packs

Exchange

Deprecated

- Clean Exchange Files (1)
- Clean Exchange Files
- Exchange Server Health
- Outlook Web Access Health (1)
- Outlook Web Access Health
- Perform Offline Defragmentation
- User Mailbox Health

Diagnostics

- Check for Max Size Limit (16GB or 75GB)

Health Check

- Exchange Server Health
- Outlook Web Access Health
- User Mailbox Health

Utility

- Check for Removed Permissions
- Check Read Permission ADConfig
- Check Rights to Store
- Check TMP Drive Access
- Clean Exchange Files
- Perform Offline Defragmentation
- Soft Reset Exchange
- TS Information Store Will Not Start

Operations

Exchange

- Add Custom Attribute
- Change Exchange Features pre-2007
- Change Exchange Features
- DC Diagnostic

Deprecated

Emails

- Change Email Addresses
- Read Attachment to File
- Read Attachment
- Fix Non Clustered Exchange
- Get Exchange Server List
- Get MX Records
- Get Next Email
- Get User Mailbox Info

Mailbox

- Change Mailbox Rights
- Create Mailbox (1)
- Create Mailbox
- Move Mailbox

Read Email (1)

Read Email

Samples

Move Mailbox

Read Attachments

SMTP Diagnostic

Validate SMTP Extensions

Server Health

SMTP Diag

SMTP Diagnostic

Emails

Add Email Addresses

Change Email Addresses

Get Email List

Get Next Email

Read Attachment

Read Email

Remove Email Addresses

Reply Mail

Send Mail

Establish Email Address

Exchange 2003 Clustered

Fix Clustered Exchange

Start Clustered Exchange

Exchange 2007

Emails

Get Email List

Get Next Email

Move Email

Read Attachment

Read Email

Reply Email

Send Email

Samples

Emails

Read Attachments

Reply Email Sample

Exchange 2007 Clustered

Get Clustered Mailbox Server Status

Move Clustered Mailbox Server

Start Clustered Mailbox Server

Stop Clustered Mailbox Server

Exchange 2010 and 2013

Database Availability Group

Get Database Availability Group

Move Active Mailbox Database

Start Database Availability Group

Stop Database Availability Group

Emails

Get Email List

Get Next Email

Move Object

Read Attachment

Read Email

Reply Mail

Mailbox

Add Mailbox Permission

- Enable Mailbox
- Get Folder List
- Get Next Folder
- Move Mailbox
- Remove Mailbox Permission
- Remove Object

Run Exchange 2010 and 2013 Cmdlets

Samples

Emails

- Move Emails
- Read Attachments
- Reply Mail Sample

Test Exchange

- Get Health Report
- Get Server Health
- Test IMAP Connectivity
- Test Mailflow
- Test Mapi Connectivity
- Test MRS Health
- Test Owa Connectivity
- Test POP Connectivity
- Test Replication Health
- Test Service Health
- Test System Health

Utility

- Exchange Health Tests
- Outlook Web Access Health Tests
- Restart Exchange

- Exchange Restart
- Exchange Server Info
- Fix Exchange
- Fix Non Clustered Exchange
- Get A Records
- Get Custom Attribute
- Get Exchange Server Details
- Get Exchange Server List
- Get MX Records
- Get Transport Server Info
- Is An Exchange
- Is Exchange Server Alive

Mailbox

- Add Mailbox Permission
- Change Mailbox Rights
- Create Mailbox
- Delete Exchange Object
- Get Folder List
- Get Mailbox Database
- Get Next Folder
- Get Storage Group
- Get User Mailbox Info
- Move Mailbox
- Move Object
- Remove Mailbox Permission
- Remove Mailbox
- Remove Object

- Net Diagnostic
- Remove Custom Attribute

Samples

- DC Diagnostic

- Exchange Server Information
 - Get A-Records
 - Get MX-Records
 - Is An Exchange Sample
 - Net Diagnostic
 - Read Attachments
 - SMTP Diagnostic
 - SMTP Validation
 - Validate SMTP Extensions
- Select an IP address
- Server Health
- Set Basic Information
- Set Delivery Options
- Set Delivery Restrictions
- Set Storage Limits
- Set User ILS Information
- SMTP Diagnostic
- SMTP Extensions
- Test Mailflow
- Wait for no SMTP Service Connections

Cloud 2.9.4

Cloud Content Pack contains flows and operations for integrating with Amazon Web Services (EC2, IAM, S3, VPC etc.), OpenStack (Compute, Storage, Networking etc.) or VMware vCloud Director.

Dependencies:
oo10-base-cp

Library

Integrations

Amazon

Compute Signature V4

EC2

- Amazon Allocate and Assign Elastic IP
- Amazon Create and Attach Single Volume
- Amazon Create and Attach Volumes
- Amazon Delete Volume and its Snapshots
- Amazon Delete Volume
- Amazon Deploy Instance
- Amazon Modify Instance Attribute
- Amazon Release Elastic IP
- Amazon Restart Instance
- Amazon Start Instance
- Amazon Stop Instance
- Amazon Undeploy Instance

Availability Zones and Regions

- Enumerate Availability Zones
- Enumerate Regions

Samples

- Enumerate Availability Zones Sample

Deprecated

- Amazon Restart Instance
- Amazon Start Instance
- Amazon Stop Instance

Elastic Block Store

Samples

Volumes

- Volume Lifecycle Sample

Instances

- Run Instances From Template
- Run Instances

Samples

- Stop Instance Sample
- Start Instances
- Stop Instance

Spot Instances

- Describe Spot Price History

EC2 Dashboard

Elastic Block Store

Samples

Snapshots

- Snapshot Lifecycle Sample

Volumes

- Attach Volume Sample
- Volume Lifecycle Sample

Snapshots

- Create Shared Snapshot
- Create Snapshot
- Delete Snapshot
- Describe Snapshots
- Get Snapshot Details
- Modify Snapshot Attribute
- Reset Snapshot Attribute

Volumes

- Attach Volume
- Check Volume Status
- Create Volume
- Delete Volume
- Describe Volume Attribute
- Describe Volume Status
- Describe Volumes
- Detach Volume
- Enable Volume IO
- Get Volume Details
- Modify Volume Attribute

Elastic IPs

- Allocate New Elastic IP
- Associate Elastic IP
- Disassociate Elastic IP
- Enumerate Elastic IPs
- Release Elastic IP

Samples

- Associate Elastic IP Sample
- Disassociate Elastic IP Sample
- Release Elastic IP Sample

Elastic Network Interfaces

- Attach Network Interface
- Create Network Interface
- Delete Network Interface
- Describe Network Interface Attribute
- Detach Network Interface
- Enumerate Network Interfaces
- Get Network Interface Details
- Modify Network Interface Attribute
- Reset Network Interface Attribute

Samples

- Network Interface Lifecycle
- Wait for Network Interface Status

Images

- Create Image
- Enumerate Images
- Get Image Details
- Modify Image Attribute
- Register Image
- Remove Image
- Reset Image Attribute

Samples

- Get Image Details Sample
- Modify Image Attribute Sample
- Remove Image Sample
- Reset Image Attribute Sample

Instances

- Describe Instances
- Get Instance Details

- Get Instance Status Details
- Get System Log
- Modify Instance Attribute
- Monitor Instance
- Reset Instance Attribute
- Restart Instance
- Run Instances From Template
- Run Instances

Samples

- Check Instance Status
- Describe Instances Status
- Get Instance Details Sample
- Get System Log Sample
- Modify Instance Capacity
- Monitor Instance Sample
- Unmonitor Instance Sample

- Start Instance
- Stop Instance
- Terminate Instance
- Unmonitor Instance

Key Pairs

- Allocate New Key Pair
- Delete Key Pair
- Enumerate Key Pairs
- Import Key Pair

Samples

- Key Pair Sample

Placement Groups

- Create Placement Group
- Delete Placement Group
- Describe Placement Groups

Samples

- Placement Group Sample

Security Groups

- Allow Access To Security Group
- Create Security Group
- Delete Security Group
- Describe Security Groups
- Get Security Group Details
- Revoke Access To Security Group

Samples

- Security Group Sample

Spot Instances

- Cancel Spot Instance Requests
- Create Spot Datafeed Subscription
- Delete Spot Datafeed Subscription
- Describe Spot Datafeed Subscription
- Describe Spot Instance Requests
- Describe Spot Price History
- Request Spot Instances

Tags

- Create Tags List
- Create Tags
- Delete Tags
- Enumerate Tags

Utilities

- Select Rollback Type

Virtual Machine Import

- Cancel Conversion Task
- Describe Conversion Tasks
- Import Volume

Windows

- Bundle Windows Instance
- Cancel Bundle Task
- Enumerate Bundle Tasks
- Get Bundle Task Details

Samples

- Bundle Windows Instance Sample

IAM

Permissions

- Delete User Policy
- Get User Policy
- List User Policies
- Put User Policy

Samples

Create IAM Accounts

- Create Administrator
- Create IAM Accounts
- Get Employees Info
- Get Username And Email
- Send mail

Security Credentials

- Create Access Key
- Delete Access Key
- List Access Keys
- Update Access Key

Users

- Create User
- Delete User
- Get User
- Update User

Load Balancing

- Add Tags
- Configure Health Check
- Create Application Cookie Stickiness Policy
- Create LB Cookie Stickiness Policy
- Create Load Balancer
- Delete Load Balancer Policy
- Delete Load Balancer
- Deregister Instances From Load Balancer
- Describe Instance Health
- Describe Load Balancers
- Disable Availability Zones For Load Balancer
- Enable Availability Zones For Load Balancer
- Register Instances With Load Balancer

Samples

- Add Availability Zone to Load Balancer
- Delete Load Balancer Policy
- Delete Load Balancer
- Disable Availability Zone from Load Balancer
- Enable Application-Controlled Session Stickiness
- Enable Duration-Based Session Stickiness
- Set Up a Load Balancer
- Set Load Balancer Policies Of Listener

RDS

- Create DB Instance

Create Tags
Delete DB Instance

S3

Buckets

Add Bucket Tags
Create Bucket
Delete Bucket
Enumerate Buckets
Get Bucket Content
Get Bucket Location
Is Bucket Name Available

Objects

Abort Multipart Upload
Complete Multipart Upload
Delete Object
Initiate Multipart Upload
List Parts
Multipart File Upload
Single Part File Upload
Upload File
Upload Folder
Upload Part

Utilities

Add Prefix to Keys
Create Query
Create Table

Deprecated

Add to Name Value Lists
Encode Parameter
Encode Parameter
Encode String
Get Common Prefixes
Get Element Value
Get Element Values
Get GMT Date and Time
Get ISO 8601 UTC Date and Time

Http

Amazon REST Delete
Amazon REST Get
Amazon REST Head
Amazon REST Put
Join Name and Value Lists
Process Headers
S3 Compute Signature V4
S3 Compute Signature

Security Token Service

Get Federation Token
Get Session Token

VPC

Customer Gateways

Create Customer Gateway
Delete Customer Gateway
Describe Customer Gateways

Deprecated

DHCP Options

Create Dhcp Options

Samples

VPC Workflow

Vpn Connection

Describe Vpn Connections

DHCP Options

Associate Dhcp Options

Create Dhcp Options

Delete Dhcp Options

Describe Dhcp Options

Internet Gateways

Attach Internet Gateway

Create Internet Gateway

Delete Internet Gateway

Describe Internet Gateways

Detach Internet Gateway

Route Tables

Associate Route Table

Create Route Table

Create Route

Delete Route Table

Delete Route

Describe Route Tables

Disassociate Route Table

Replace Route Table Association

Replace Route

Samples

EC2-VPC Workflow

VPC Workflow

Subnets

Create Subnet

Delete Subnet

Describe Subnets

Virtual Private Cloud

Create VPC

Delete VPC

Describe VPCs

VPC Dashboard

VPN Connection

Create VPN Connection

Delete VPN Connection

Describe VPN Connections

VPN Gateways

Attach VPN Gateway

Create VPN Gateway

Delete VPN Gateway

Describe VPN Gateways

Detach VPN Gateway

Google

Compute

Compute Engine

Authentication

Get Access Token

Disks

Attach Disk

Delete Disk

Detach Disk

Get Disk

Insert and Attach Multiple Disks

Insert Disk

- List Disks
- Google Deploy Instance
- Google Restart Instance
- Google Set Instance Credentials - Linux
- Google Set Machine Type
- Google Start Instance
- Google Stop Instance
- Google Undeploy Instance

Instances

- Delete Instance
- Get Instance
- Get Serial Port Output
- Insert Instance
- List Instances
- Reset Windows Password
- Restart Instance
- Set Instance Metadata
- Set Instance Tags
- Set Machine Type
- Start Instance
- Stop Instance

Networks

- Delete Network
- Get Network
- Insert Network
- List Networks

Operations

- Get GlobalOperation
- Get ZoneOperation

Utility

- Get Disk Properties from Lists

Microsoft

Azure

Authentication

- Get Auth Token Using Web API
- Get Auth Token

Compute

Availability Sets

- Create Availability Set
- Delete Availability Set
- Get Availability Set Info
- List all Availability Set within a Resource Group

Data Disks

- Attach Disk to VM
- Detach Disk from VM

Images

- Get Private Image Details
- List Platform Image Publisher Offers
- List Platform Image Publishers
- List Platform Image SKUs
- List Platform Image Versions
- List Private Images

Network Interface Cards

- Attach NIC to VM
- Create Network Interface Card Static IP
- Create Network Interface Card DHCP
- Delete Network Interface Card
- Detach NIC from VM

- Get Network Interface Card Info
- Update Network Interface Card DHCP

Network Security Groups

- Create Network Security Group
- Delete Network Security Group
- Get Network Security Group Info
- List network security groups within a resource group

Public IP Addresses

- Create public IP address
- Delete public IP address
- Get Public IP Address Info
- Get Public IP address of VM
- List public IP addresses within a resource group
- Update Public IP address

Resource Groups

- Create Resource Group
- Delete Resource Group
- Get Resource Group Info
- List All Resource Groups
- List all VM within a specified Resource Group

Storage Accounts

- Create Storage account
- Delete Storage account
- Get Storage Account Keys
- List all Storage Accounts
- List Storage Accounts for Resource Group

Subnets

- Create Subnet
- Delete Subnet
- Get Subnet Info
- List All Subnet Per Virtual Network
- Update Subnet

Tags

- Set Tag

Virtual Machines

- Create VM
- Delete VM
- Deploy VM
- Get information about VM
- Get VM Status
- Poll for deleted VM
- Restart VM
- Start VM
- Stop and Deallocate VM
- Stop VM
- Undeploy VM

Virtual Networks

- Create virtual network
- Delete Virtual Network
- Get Virtual Network Info
- List All Virtual Network
- Update Virtual network with Address Prefixes

Databases

- Create SQL Database Server
- Create SQL Database
- Delete SQL Database
- Get SQL Database Info
- Get SQL Database Server Info

Deprecated

Compute

Public IP Addresses

Update Public IP address

Virtual Machines

Create Linux VM

Create Windows VM

Deploy VM

Start VM

Load Balancers

Attach VM to LB

Create Load Balancer

Delete Load Balancer

Get Load Balancer Info

Get Tier Network Info

Storage

Blobs

Delete Blob

List Blobs

Containers

Azure Create Container

Azure Delete Container

Azure Get Container Info

Operations

Create Container

Delete Container

List Containers

Subscription

Get Subscription Info

Utils

Get StatusCode Message

List all Locations

OpenStack

Block Storage

Snapshots

Create Snapshot

Delete Snapshot

Get Snapshot Details

Get Snapshots List

Volumes

Create Volume

Delete Volume

Extend Volume

Get Volume Details

Get Volumes List

Update Volume

Compute

Aggregates

Attach Host to Aggregate

Create Aggregate

Delete Aggregate

Detach Host from Aggregate

Get Aggregate Details

Get Aggregate List

Update Aggregate

Block Storage

Attach Volume to Server

Detach Volume from Server
Get Volumes Attached to Server

Deprecated

Block Storage

Snapshots

Create Snapshot
Delete Snapshot
Get Snapshot Details
Get Snapshots List

Volumes

Create Volume from Snapshot
Create Volume
Delete Volume
Get Volume Details
Get Volumes List

Security Groups

Create Security Group Rule
Create Security Group
Delete Security Group Rule
Delete Security Group
Get Security Group Details
Get Security Group List
Validate Security Group

Server Addresses

Add Floating IP Address to a Server
Create Floating IP Address
Delete Floating IP Address
Get Addresses List by Network
Get Addresses List
Get Floating IP Address Details
Get Floating IP Address List
Remove Floating IP Address from a Server

Flavors

Get Flavor Details
Get Flavors Detail List
Get Flavors List
Validate Flavor

Images

Delete Image
Get Image Details
Get Images Detail List
Get Images List
Validate Image

Key Pairs

Create Key Pair
Delete Key Pair
Get Key Pairs List
Validate Key Pair

Metadata

Delete Image Metadata Item
Delete Server Metadata Item
Get Image Metadata Item
Get Image Metadata List
Get Server Metadata Item
Get Server Metadata List
Set Image Metadata Item
Set Image Metadata
Set Server Metadata Item
Set Server Metadata

- Update Image Metadata
- Update Server Metadata
- OpenStack Dashboard

Samples

- Create Keypair and Save Private Key
- Create Web Server Rule Group
- Delete All Servers in a Region
- OpenStack Dashboard Multitenant
- OpenStack Dashboard Report

subflows

- Add Rules to a Group

Server Actions

- Change Server Admin Password
- Confirm Resize Server
- Create Image
- Reboot Server Hard
- Reboot Server Soft
- Rebuild Server
- Resize Server
- Resume Server
- Revert Resize Server
- Start Server
- Stop Server
- Suspend Server

Servers

- Create Server
- Delete Server
- Get Server Details
- Get Servers Detail List
- Get Servers List
- Run Script on Server
- Update Server IPv4 Access Address
- Update Server IPv6 Access Address
- Update Server Name

Database Service

Instances

- Create Database Instance
- Delete Database Instance
- Get Database Instance Details
- Get Database Instances List
- Reset Database Instance Password
- Restart Database Instance

Snapshots

- Create Database Instance Snapshot
- Delete Database Instance Snapshot
- Get Database Snapshots for Instance List
- Get Database Snapshots List

Deprecated

- Get Auth Token
- Get Auth Token
- Get Unscoped Auth Token

Identity Service

Domains

- Check Role for Domain Group
- Check Role for Domain User
- Create Domain
- Delete Domain
- Get Domain Details

- Get Domains List
- Grant Role to Domain Group
- Grant Role to Domain User
- List Roles for Domain Group
- List Roles for Domain User
- Revoke Role from Domain Group
- Revoke Role from Domain User
- Update Domain

Get Tenant List

Groups

- Add User to Group
- Check Group User
- Create Group
- Delete Group
- Delete User from Group
- Get Group Details
- Get Group List
- Get Group Users List
- Update Group

Projects

- Check Project Group Role
- Check Project User Role
- Create Project
- Delete Project
- Get Project Details
- Get Project Group Role List
- Get Project List
- Get Project User Role List
- Grant Role to Project Group
- Grant Role to Project User
- Revoke Role from Project Group
- Revoke Role from Project User
- Update Project

Rescope Token by Tenant Id

Rescope Token by Tenant Name

Rescope Token

Revoke Token

Roles

- Create Role
- Delete Role
- Get Role Assignments List
- Get Role Details
- Get Roles List
- Update Role

Users

- Create User
- Delete User
- Get User
- List User Groups
- List User Projects
- List Users
- Update User

Image Service

Add a Member to an Image with Can Share

Add a Member to an Image

Download VM Image

Get Image Memberships

Get Public VM Images Detail List

Get Public VM Images List

- Get Shared Images
- Get VM Image Detailed Metadata
- Remove a Member from an Image
- Replace a Membership List for an Image

Samples

- Upload an Image
- Update VM Image
- Upload VM Image

Networking

Firewalls

- Create Firewall
- Delete Firewall
- Get Firewall Details
- Get Firewalls List

Policies

- Create Policy
- Delete Firewall Rule from Policy
- Delete Policy
- Get Policies List
- Get Policy Details
- Insert Firewall Rule in Policy
- Update Policy

Rules

- Create Rule
- Delete Rule
- Get Rule Details
- Get Rules List
- Update Rule

Samples

- Create Firewall with Rules and Policy
- Update Firewall

Floating IPs

- Add Floating IP to Server
- Create Floating IP
- Delete Floating IP
- Get Addresses List by Network
- Get Addresses List
- Get Floating IP Address Details
- Get Floating IP Address List
- Remove Floating IP from Server

Networks

- Create Network
- Delete Network
- Get Network Details
- List Networks
- Update Network
- Validate Network

Ports

- Create Port
- Delete Port
- Get Port Details
- List Ports
- Update Port

Routers

- Add Interface to Router
- Create Router
- Delete Router
- Get Router Details

- List Routers
- Remove Interface from Router
- Update Router

Security Groups

- Create Security Group Rule
- Create Security Group
- Delete Security Group Rule
- Delete Security Group
- Get Security Group Details
- Get Security Group List
- Get Security Group Rule Details
- Get Security Group Rule List

Subnets

- Create Subnet
- Delete Subnet
- Get Subnet Details
- List Subnets
- Update Subnet
- Validate Subnet

VPN

IKE Policies

- Create IKE Policy
- Delete IKE Policy
- Get IKE Policies List
- Get IKE Policy Details
- Update IKE Policy

IPSec Policies

- Create IPSec Policy
- Delete IPSec Policy
- Get IPSec Policies List
- Get IPSec Policy Details
- Update IPSec Policy

IPSec Site Connections

- Create IPSec Site Connection
- Delete IPSec Site Connection
- Get IPSec Site Connection Details
- Get IPSec Site Connections List
- Update IPSec Site Connection

Samples

- Create Router with Private Subnet
- Create VPN Connection
- Setup VPN Connection

Services

- Create VPN Service
- Delete VPN Service
- Get VPN Service Details
- Get VPN Services List
- Update VPN Service

Object Storage

Samples

- Delete Container with Contents
- Get File List as JSON Array
- Push Filesystem to the Cloud
- Upload Storage Object with MD5 Check

Storage Container

- Create Container
- Delete Container
- Get Container List

- Get Container Metadata
- Get Container Object List
- Update Container

Storage Object

- Copy Storage Object
- Create or Update Storage Object
- Delete Storage Object
- Get Storage Object Metadata
- Retrieve Storage Object
- Update Storage Object Metadata

- OpenStack REST Delete
- OpenStack REST Get to File
- OpenStack REST Get
- OpenStack REST Head
- OpenStack REST Patch
- OpenStack REST Post
- OpenStack REST Put

Utilities

- Add to Name Value Lists
- Get API Versions
- Select Http Client Error

VMware

VMware vCloud

Catalogs

- Create Catalog
- Create Template From vApp
- Delete Catalog
- Delete Media Image
- Delete vApp Template
- Deploy vApp From Template
- Download vApp Template as OVF
- Get Catalogs
- Get Media
- Get vApp Templates
- Publish Catalog
- Unpublish Catalog
- Upload Media Image to Catalog
- Upload OVF as vApp Template

Organizations

- Create Organization
- Delete Organization
- Disable Organization
- Enable Organization
- Get Organization Tasks
- Get Organizations
- Modify Organization

Networks

- Create Direct Organization Network
- Delete Organization Network
- Get External Networks
- Get Organization Networks

Organizations vDCs

- Create Organization vDC
- Delete Organization vDC
- Disable Organization vDC
- Enable Organization vDC
- Get Organization vDCs

Networks

- Create Direct Organization vDC Network
- Delete Organization vDC Network
- Get Organization vDC Networks

Samples

- Guided Import VM as vApp
- Reset Leases For All Running vApps

subflows

- JSON Array to delimited list

vApps

- Delete vApp
- Get vApp Lease Settings
- Get vApp State
- Get vApps
- Recompose vApp
- Reset vApp
- Set vApp Lease Settings
- Start vApp
- Stop vApp
- Suspend vApp

VMs

- Edit VM Network
- Flex VM CPU Count
- Flex VM Memory Size
- Get vApp VMs
- Get VM Details
- Get VM Disk Details
- Get VM NIC Details
- Get VM State
- Power Off VM
- Power On VM
- Reset VM
- Set VM Computer Name
- Set VM CPU Count
- Set VM Guest Customization
- Set VM Memory Size
- Suspend VM

vCenters

- Get vCenters
- Get Virtual Machines
- Import Virtual Machine as vApp Template
- Import Virtual Machine as vApp

Infrastructure Orchestration 1.4.2

Infrastructure Orchestration Content Pack contains scenarios and solutions that demonstrate Operating Systems capabilities.

Dependencies:

oo10-base-cp

Oo10-middleware-cp

Library

Accelerator Packs

Operating Systems

Windows

Cluster

Windows Cluster Consistency Check

subflows

Compare Application Pools

Compare IIS versions

Compare installed SW

Compare OS Info

Compare Registry Values

Micro Focus Solutions 2.6.1

Micro Focus Solutions Content Pack contains Micro Focus on Micro Focus integrations that can be used to integrate with multiple Micro Focus Products such as Micro Focus ArcSight, Micro Focus Network Automation, Micro Focus SiteScope or Micro Focus Universal Configuration Management Database.

Dependencies:
oo10-base-cp

Library

Integrations

Hewlett-Packard

3PAR

CPGs

- Create CPG
- Get CPG Details
- Get CPGs
- Modify CPG
- Remove CPG

Hosts

- Create Host
- Get Host Details
- Get Hosts
- Modify Host
- Remove Host

Samples

- Export Virtual Volume
- Unexport Virtual Volume

Session Keys

- Create Session Key

System

- Get Storage System Information
- Get Version Information

VLUNs

- Get VLUN Details
- Get VLUNs

Volumes

- Create Virtual Volume
- Export Virtual Volume
- Get Virtual Volume Details
- Get Virtual Volumes
- Grow Virtual Volume
- Modify Virtual Volume
- Remove Virtual Volume
- Tune Virtual Volume
- Unexport Virtual Volume

Converged Infrastructure

- CI Http Delete
- CI Http Get
- CI Http Patch
- CI Http Post Raw
- CI Http Post
- CI Http Put
- CI Log In

- CI Log Out
- HPE Converged Infra Http Client
- Insight Control Server Provisioning**
- Activity**
 - Get Task Details
 - Wait For Task
- Authentication**
 - Log In
 - Log Out
- Deployment**
- Jobs**
 - Get Job Details
 - Wait For Job
- OS Build Plans**
 - Get OS Build Plan Details
 - Get OS Build Plan List
 - Run OS Build Plans
- Servers**
 - Add Server
 - Delete Server
 - Get Server Details
 - Get Server List
- Search**
- Index**
 - Get Index Resource Details
 - Get Index Resource List
- OneView**
- v1**
- Activity**
 - Get Task Details
- Authentication**
 - Log In
 - Log Out
- Networking**
- Ethernet Networks**
 - Get Ethernet Networks List
- Fibre Channel Networks**
 - Get Fibre Channel Networks List
- Logical Interconnect Groups**
 - Get Logical Interconnect Groups List
- Logical Interconnects**
 - Get Logical Interconnects List
- Network Sets**
 - Get Network Sets List
- Samples**
 - Create Server Profile
 - Get Servers List By Criteria
 - Update Firmware for Server Profile
- Utilities**
 - Convert Bios Object Type
 - Create Bios Object
 - Create Boot Object
 - Create Firmware Object
- Search**
- Index Resources**
 - Get Index Resource Details
 - Get Index Resource List
- Labels**

- Get Resource Labels
- Update Resource Labels

Servers

Enclosure Groups

- Create Enclosure Group
- Get Enclosure Group List

Enclosures

- Add Enclosure
- Get Enclosure List

Server Hardware

- Add Server Hardware
- Get Server Hardware Details by Name
- Get Server Hardware Details
- Get Server Hardware List
- Update Power State

Server Hardware Types

- Get Server Hardware Type Details
- Get Server Hardware Types List

Server Profile Templates

- Create Server Profile from Template
- Create Server Profile Template
- Delete Server Profile Template
- Get Server Profile from Template
- Get Server Profile Template Details
- Get Server Profile Templates List
- Update Server Profile Template

Server Profiles

- Create Server Profile
- Delete Server Profile
- Get Server Profile Details
- Get Server Profile Transformation
- Get Server Profiles List
- Update Server Profile

Settings

Firmware

- Get Firmware Driver By Name
- Get Firmware Drivers List

v2

Activity

- Get Alerts
- Get Audit Logs
- Get Events
- Get Reports
- Get Tasks

Authentication

- CI Log In
- CI Log Out

Networking

Ethernet Networks

- Create Ethernet Network
- Delete Ethernet Network
- Get Ethernet Networks
- Update Ethernet Network

FCoE Networks

- Create FCoE Network
- Delete FCoE network
- Get FCoE Networks
- Update FCoE Network

Fibre Channel Networks

- Create FC Network
- Delete FC Network
- Get FC Networks
- Update FC Network

Logical Interconnect Groups

- Create Logical Interconnect Group
- Delete Logical Interconnect Group
- Get Logical Interconnect Groups
- Update Logical Interconnect Group

Logical Interconnects

- Create Logical Interconnect
- Delete Logical Interconnect
- Get Logical Interconnects
- Update Logical Interconnect

Network Sets

- Create Network Set
- Delete Network Set
- Get Network Sets
- Update Network Set

Search

Index

- Get Index Associations
- Get Index Resources
- Get Index Trees

Label

- Create Labels
- Delete Labels
- Get Labels
- Update Labels

Security

- Get CA Certificate
- Get Login Details
- Get SSL Certificates

Servers

Enclosure Groups

- Create Enclosure Group
- Delete Enclosure Group
- Get Enclosure Groups

Enclosures

- Add Enclosure
- Delete Enclosure
- Get Enclosures
- Patch Enclosure
- Update Enclosure

Server Hardware

- Add Server Hardware
- Delete Rack Mounted Server
- Get Server Hardware
- Update Power State

Server Hardware Types

- Delete Server Hardware Type
- Get Server Hardware Types
- Update Server Hardware Types

Server Profile Templates

- Create Server Profile Template
- Delete Server Profile Template
- Get Server Profile Templates
- Update Server Profile Template

Server Profiles

- Create Server Profile
- Delete Server Profiles
- Get Server Profiles
- Patch Server Profile
- Update Server Profile

Settings

Firmware

- Create Server Pack for Proliant
- Delete Firmware Drivers
- Get Firmware Drivers
- Upload Service Pack ISO image

Proliant iLO

- Create User
- Delete User
- Eject Virtual Media

Execute RIBCL Script Samples

- Activate iLO License
- Deactivate iLO License
- Get Auto Power On
- Get iLO Firmware Version
- Get SNMP IM Settings
- Modify SNMP IM Settings
- Set Unit ID Light State

- Execute RIBCL Script
- Get Host Data
- Get Power Cap Values
- Host Power Status
- Insert Virtual Media
- Modify User
- Power On Host
- Restart Host
- Restart iLO Processor
- Set Auto Power On
- Set Power Cap
- Set Power Saver Mode
- Update Firmware

Micro Focus

Application Lifecycle Management

Basic

- ALM REST Delete
- ALM REST Get
- ALM REST Post
- ALM REST Put

Entity Management

- Check In Entity
- Check Out Entity
- Create Entity
- Delete Entity
- Describe Entity Fields
- Get Entity Fields
- Get Entity Lists
- Get Entity Versions
- Lock Entity
- Query Entities Collection
- Read Entity
- Undo Entity Checkout
- Unlock Entity
- Update Entity

Session Management

- Close Session
- Create Session
- Extend Session
- Get Lightweight SSO Token

Defects

- Create Defect Link
- Create Defect
- Delete Defect Link
- Delete Defect
- Query Defects
- Read Defect Links
- Read Defect
- Update Defect Link
- Update Defect

Entities

- Create Entity
- Delete Entity
- Import Entities from Excel
- Query Entities
- Read Entity
- Update Entity

Requirements

- Create Requirement
- Import Requirements from Excel

Test Lab

Runs

- Create Run
- Delete Run
- Read Run
- Update Run

Test Instances

- Add Test Instance To Test Set
- Delete Test Instance From Test Set
- Update Test Instance

Test Sets

- Create Test Set Folder
- Create Test Set
- Delete Test Set Folder
- Query Test Sets
- Read Test Set Folder
- Read Test Set
- Update Test Set Folder
- Update Test Set

Test Plan

- Create Test Configuration
- Create Test Folder
- Create Test
- Delete Test Configuration
- Delete Test Folder
- Delete Test
- Import Tests from Excel
- Query Test Folders
- Query Tests
- Read Test Configuration
- Read Test Folder
- Read Test
- Update Test Configuration

Update Test Folder
Update Test

Utilities

Add to Name Value Lists
Append Field Value To Fields List
Create Defect Link Xml
Create Entity Xml List
Create Entity Xml
Determine Content Type
Encode Parameter
Get Cookie Header
Get Field Inputs
Get Label By Name
Get Name By Label
Get Test Set Elements Number
Get Used Session
Process Defect Links Xml
Process Entity Xml
Process Search Response
Select Http Client Error
Translate Fields Clause
Translate Restrictions

ArcSight

Retrieve ArcSight Information

Samples

Get Connector Commands
Get Connector Details
List Connectors

Cloud OS

Documents

Create Document
Delete Document
Edit Document
Get Document Details
List Documents
Validate Infrastructure Topology

Get Auth Token

Jobs

Check All Tasks Status
Get Job Status
List Jobs

Resource Pools

List Resource Pools
Validate Resource Pool

Samples

Get Topology By Provisioner Job
Launch Topology

Utilities

Get First Topology
Wait For Job Success

Topologies

List Topologies
Provision Topology
Terminate Topology

Utilities

Select Http Client Error

Continuous Delivery Automation

Application

- Get Application Recipes
- Get Application Versions
- Get Applications

Build

- Get Deployable Software Artifact Bundles
- Get Software Artifact Details for Deployed Application

Domain

- Get All Domains
- Get Working Domain
- Set Working Domain

Infrastructure

Server

- Create Server
- Delete All Servers
- Delete Server
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- Add Servers to Server Group
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- Delete All Server Groups
- Delete Server Group
- Get Server Group Details
- Get Server Groups List
- Get Servers in Server Group
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- Update Server Group

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- Add Server Groups to Template
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- Remove Server Groups from Template
- Update Template

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- Get Platform Models
- Get Platform Stored Parameters
- Get Provisioned Platforms
- Get Provisioning Progress
- Provision Platform

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- Execute Operation on Deployed Application
- Get Application Topologies
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- Get Deployed Application Topologies
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- List Clients from DP Cell
- Manage DP Services or Daemons
- Provision Client

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- Verify Backup Object
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- Run SCA Scan
- Upload FPR File

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- Enable Stream
- Get Configuration
- Get Known Platforms
- Get Version
- Is Stream Enabled
- List Streams

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- Configure HPE Live
- Enable Streams
- Stream Summary Report
- Set Configuration Credentials

Load Runner

- Run VuGen Script

Network Automation

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- Get Config

- Get Device Snapshot IDs
- Take Snapshot
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- Filter Inputs
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- Bulk Device Update With Rollback
- Check Task Status

Remedy

- Ticket Creation and Change Approval
- Update Task Approval Status
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- Remove Task
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Network Node Manager

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- SetCustomAttribute
- UpdateAssignedTo
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Nodes

- DeleteByID
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Add OA DNS IPv6

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Configure DHCPv6

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Configure HTTPS

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Configure NTP

Configure Router Advertisements

Configure SNMP

Configure Telnet

Configure Trusted Host

Configure XML Reply

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Set IPCONFIG Static

Set OA Gateway

Set SSH Encryption

Set SSH Key

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Test Alert Mail

Test SNMP

OA

Clear OA Syslog

Configure GUI Login Detail

Configure Link Loss Failover (LLF)

Get Config

Get Date

Get OA Information

Get OA Syslog

Get Syslog History

Get VCmode

Set Date

Set OA Name

Set OA UID LED

Set Time Zone

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Get Power Cap Excluded Bays

Get Power Cap

- Get Power Summary
- Get Power Supply
- Get Power
- Set PDU Type
- Set Power Cap Bays to Exclude
- Set Power Cap
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- Set Power Mode
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- Get Enclosure Status
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- Get FRU
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Deprecated

Operations Manager Unix

- Acknowledge Message

CLI

- Acknowledge Message
- Add Custom Message Attribute
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- Create Message
- HP OVO Notify

Windows Only

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- Get Actions
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Deprecated

HP OVO Windows Notify

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Custom Attributes Sample
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Retrieve Incidents Sample

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Operations Manager i

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- Add Symptom
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- Update Custom Attribute
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Operations Orchestration

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- Acquire Lock

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- Set System Property in Central
- Set System Property in Context

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- Set Selection List
- Set System Account
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- Purge Debug Events
- Purge Execution Summary
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- Dynamically Launch Flow
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 - Get Run Log
 - Get Run Status
 - Get Status for Runs
 - List Flow Run History
- Samples**
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 - Get Integration Flows Run History
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- Flow Library**
 - Get All Children Named
 - Get Children of Path
 - Get Folder Flows
- Flow Run Counter
- Flow Run Summary Report
- Generate Run URL
- Micro Focus Live Network**
 - Download Content Pack
- Utilities**
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- Samples**
 - Launch flow with HTTP Cookies and CSRF token
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- Dynamically Launch Flow
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 - Get Status For Runs
 - List Flow Run History
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Project and Portfolio Manager

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SiteScope

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Acknowledge

Refresh

Unacknowledge

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Delete Monitor

Delete Remote Server

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Deprecated

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Enable Monitor Group

Enable Monitor

Get Monitors Deployed At

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Redeploy Template

Run Monitor

Universal CMDB

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Add Relationship

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Get Object Attributes by Id

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Get Filtered Object List by Type

Get Neighboring Objects

Get Object Attributes by Id

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Get Query Name of View

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Get Topology Map by Query Name with Parameter

Get Topology Map by Query Name

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Virtual Connect Enterprise Manager

Bays and Enclosures

- Check Power Status of Bay
- Find Bay
- Find Enclosure by Name
- Find Enclosure by Serial Number
- Power Bay Off
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- Failover by Enclosure Name and Bay Number
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- Failover by Server Name

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- Job State

Maintenance

- Cancel Maintenance Mode
- Complete Maintenance Mode
- Enable Maintenance Mode

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- Add FC Connection to Profile
- Add Network Connection to Profile
- Assign Profile by Id
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- Delete Network Connection from Profile
- Find Profile by Id
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- List Server Profiles
- Unassign Profile by Id
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- Update FC Connection in Profile
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Samples

- Add SAN Fabric and FC Connection
- Assign Profile to a Bay

VC Domains and Domain Groups

- Find VC Domain Group
- Find VC Domain
- List VC Domain Groups
- List VC Domains

Microsoft Office 365 2.2.3

<pre>

Office 365 is a bundle of cloud services, offered by Microsoft and includes online versions for Exchange, Share Point, Lync and MS Office traditional apps (Word, Excel, PowerPoint, One note). This integration enables the management of Azure AD users and Exchange Online mailboxes, utilizing PowerShell Remoting.

</pre>

Library

Integrations

Microsoft

Office 365

Java

Authentication

- Get Authorization Token

- Create User

Email

- Add Attachment

- Create Message

- Delete Message

- Get Attachment

- Get Message

- List Attachments

- List Messages

- Move Message

- Send Message

- Get Email Message

- Reset User Password

- Send Email Message

User Management

- Create User

- Delete User

- Get User

- List Users

- Update User

PowerShell

- Block User Login

- Create User with Mailbox

- Delete User and MailBox

- Get User by UPN

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- Block User

- Change Password

- Connect to Azure AD

- Connect to Exchange Online

- Create Authentication Object

- Create User with Mailbox

- Delete User and Mailbox

- Delete User

- Get User by UPN

- Update User Attributes

- Reset User Password

- Update User Attributes

Request Fulfillment 3.1.3

<pre>

Request Fulfillment Content Pack contains content to automate fulfillment of service tickets through Micro Focus Service Manager & Micro Focus Service Anywhere.

The Content Pack contains Onboard Employee flows and operations which integrates with Micro Focus Service Anywhere to create new user and mailbox either in Microsoft Active Directory and Exchange or in Microsoft Office 365.

The Content Pack contains also Reset User Password automation flows and operations.

</pre>

Library

Request Fulfillment

Accelerator Packs

Employee Onboarding

- Onboard Employee Off-Premise Extended

- Onboard Employee Off-Premise

- Onboard Employee On-Premise

Reset User Password

- Reset User Password Extended

- Reset User Password

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- Is User Exists

Exchange Mailbox

- Create Mailbox

- Disable Mailbox

- Enable Mailbox

- Run Exchange 2010 and 2013 Cmdlets

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- Get Person

- Get Service

Service Management Automation X 3.3.0

Micro Focus Service Management Automation X Content Pack contains flows and operations that interact with Micro Focus Service Management Automation X through the Micro Focus SMAX's REST API.

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Micro Focus

Service Management Automation X

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- Create Subscription Service
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SAP Solution Manager

- Create Incident in SAP
- Get Updates from SAP
- Update Incident in SAP
- Update Incident in SMAX

Requests

- Create Request
- Delete Request
- Get Request
- Update Request

Virtualization 2.0.0

Virtualization Content Pack contains flows and operations for integrating with VMware vCenter/vSphere, Microsoft Hyper-V, Microsoft System Center Virtualization Manager, Linux KVM and Citrix XenServer.

Dependencies:

oo10-base-cp

oo-microfocus-solutions-cp

Library

Accelerator Packs

Virtualization

Get All Snapshots

Get All Virtual Machines

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- Find VMs

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- Install VM
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- Activate Interface
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- Create VM From XML
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- Define VM
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- Detach Disk
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- Get Network Connection Info
- Get VM Info
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- Migrate VM
- Reboot VM
- Resume VM
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Hyper-V

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- Get Job State
- List Jobs
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Enumerate Snapshots
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Attach NIC to Virtual Machine

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- Get Virtual Network
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- Get Virtual SCSI Adapter
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- Get All Firewall Configurations
- Get Firewall Rule
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- Modify Firewall Rule on Logical Switch
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- Delete Cluster Rule
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- Get Datacenter Details
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- FS Get Children Enhanced
- Generate DS Url
- Get Datastore Details
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- Get Datastore Provisioned Space
- Get DS Children
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- Get ISO Image Details
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- Clone Virtual Machine
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- Get Virtual Machine List
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- Get VM Hostname

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- Retrieve Properties
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- Add Host to vNetwork Distributed Switch
- Add Port Group
- Add Virtual NIC
- Add Virtual Switch
- Add vNetwork Distributed Switch
- Attach Physical NIC to Virtual Switch
- Delete Distributed Port Group

- Delete Network Entity
- Delete vNetwork Distributed Switch
- Detach Physical NIC from Virtual Switch
- Edit Physical NIC Link
- Edit Virtual NIC
- Get Network Details
- Get Physical NICs from Virtual Switch
- List Host Networks
- Remove Host from vNetwork Distributed Switch

Power

- Get Power State
- Restart
- Set Power State

Resource Pools

- Create Resource Pool
- Destroy Resource Pool
- Get Child Resource Pools
- Get Child VMs in Resource Pool
- Get Resource Pool Details
- Move Resource Pool Into Resource Pool
- Set Resource Pool Resource Allocation

Samples

- Get Freespace On Datastores
- Get ISO Files From Datastore
- Get List Of Powered On VMs
- Get VMs Powered On Longer Than By Event
- Get VMs Powered On Longer Than By Task
- Guided Create VMFS Datastore
- Guided Search
- Host Maintenance With No Downtime
- Quick Migrate

Subflows

- Get Powered On VM List As IDs
- JSON Array to delimited list
- Lun Display

Snapshots

- Consolidate Snapshot Redo Logs
- Create Snapshot
- Delete Snapshot
- Get Snapshot
- Revert To Snapshot
- Snapshot Consolidation Needed

Tasks

- Cancel Task
- Get All Running Tasks
- Get Task State

Utilities

- Advanced Search
- Destroy Object
- Get Latest Event
- Get Latest Task
- Get OS Descriptors
- Get vCenter Details
- List Custom Fields
- Simple Search

- vCenter Add Disk To Virtual Machine
- vCenter Create Snapshot
- vCenter Delete Snapshot
- vCenter Delete Virtual Machine

- vCenter Deploy Template
- vCenter Modify Virtual Machine
- vCenter Remove Disk From Virtual Machine
- vCenter Restart Virtual Machine
- vCenter Revert Snapshot
- vCenter Start Virtual Machine
- vCenter Stop Virtual Machine
- vCenter Suspend Virtual Machine

Virtual Apps

- Deploy OVF Template
- Export vApp as OVF
- Get vApp
- Get VMs in vApp
- Parse OVF
- Power Off vApp
- Power On vApp

samples

- Import OVF to Cluster
- Import OVF to Host

subflows

- Prompt For Each Key With Selection List
- Prompt For Each Key

- Shutdown vApp
- Suspend vApp

Virtual Machines

- Clone Virtual Machine

Configuration

- Answer VM Question

CD and DVD Drives

- Add Optical Drive
- Edit Optical Drive
- Remove Optical Drive

Controllers

- Edit SCSI Controller
- Get Details of SCSI Controller

CPUs

- Edit CUID Masks
- Get CPU And Memory Resources
- Get CPU Count
- Set Cores per Socket
- Set CPU Count

- Edit Settings

Floppy Drives

- Add Floppy Drive
- Edit Floppy Drive
- Remove Floppy Drive

- Get Device Numbers For Type

Hard Disks

- Add Existing Disk
- Add New Disk
- Extend Disk
- Get All Hard Disks
- Get Details of Disk
- Remove Disk

Memory

- Get Memory Size
- Set Memory Size

Network Adapters

- Add NIC

- Configure NIC
- Get Details of NIC
- Remove NIC

Resource Settings

- Set Resource Allocation

Video Cards

- Edit Video Card

VM Options

- Edit Boot Options
- Edit Power Options
- Edit Tools Options

Create Linked Virtual Machine

Create Virtual Machine

Delete Virtual Machine

Export Virtual Machine as OVF

Folders

- Create VM Folder

- Delete VM Folder

- Get Folder Details

- List Folders

- Rename VM Folder

- VM Folder Exists

Get Virtual Machine Details

Get Virtual Machine

List Virtual Machines

Migrate Virtual Machine

Move Virtual Machine

Promote Virtual Machine Disk

Register Virtual Machine

Relocate Virtual Machine

Rename Virtual Machine

samples

- Clone Virtual Machine

- Create Virtual Machine

- Get Virtual Machine Info

Set Virtual Machine Annotation

Templates

- Clone VM to Template

- Deploy VM from Template

- Get Template Details

- List Templates

- Mark VM As Template

- Register VM Template

- VM is Template

Unregister Virtual Machine

Upgrade Virtual Machine Hardware Version

SM 1.0.5

OO SM Content Pack

Library

Integrations

Micro Focus

Service Manager

Change Management

- Approve Change
- Create Change
- Get Change Category Phases
- Get Change Subcategories
- Get Change
- Move Change to Next Phase
- Update Change Category
- Update Change

Close Ticket

Deprecated

Incident Management

- Resolve Incident

Problem Management

- Create Problem

Get Ticket Closure Codes

Incident Management

- Create Incident
- Get Incident
- Resolve Incident
- Update Incident

Problem Management

- Create Problem
- Get Problem
- Update Problem

Samples

- Close Ticket
- Create and Approve Change
- Update Change Category

Micro Focus Community

Micro Focus Community Content is provided free by Micro Focus. Micro Focus Community Content is not supported via Micro Focus Software Support.

Ansible 1.1.0

<pre>

Micro Focus OO Integration with Ansible and Ansible Tower

This community content pack was created to simplify and help people that have legacy systems which run automation via Ansible or Ansible Tower from OO.

You can do the following using this integration and your CI system:

- run playbooks out of the box
- run maintenance flows on your Ansible Tower Servers

The Ansible Tower version on which we tested the flows was 2.4.5 .

For more information about Ansible Tower API please go to this webpage:

<http://docs.ansible.com/ansible-tower/2.4.5/html/towerapi/index.html>

</pre>

Library

Community

Ansible

Ansible CLI

- Add a machine to groups from the default inventory
- Delete machine from the default inventory
- Run Playbook with Variables
- Run Playbook

Ansible Tower

Configuration

- Get Configuration

Inventory

- Create Inventory
- Get Inventory List

Organizations

- Create Organization
- Get Organizations List

Samples

- Ping Tower Instance

Utilities

- GetAuthToken

Samples

- Ansible Developer Run

Utilities

- Create json variables from list

BMC Patrol 1.3.0

Micro Focus OO BMC Patrol Content Pack

Dependencies:
oo10-base-cp

Library

Integrations

BMC

Patrol

Acknowledge Event

Close Event

Subflows and Operations

Acknowledge Event

Close Event

Event Query

Event Report

Get Var

List Var

Set Var

Trigger Event

Cisco 1.3.0

Micro Focus OO Cisco Content Pack

Dependencies:
oo10-base-cp

Library

Accelerator Packs

Network

Cisco

- Add User to Routers

CDP

Deprecated

- Router Integrity Diagnostic

- Disable CDP

- Enable CDP

- Router Integrity Diagnostic

- Change Interface IP Address

- Configure DNS Client

- Configure SSH

- Crash Recovery

- Delete User from Routers

Deprecated

- Configure SSH

- Enable All Interfaces

- Find Mac Address

Routing

- Basic Router Configuration

- Disable Routing

- Enable RIP for All Subnets

- Enable Routing

- Set Banner for Routers

- Set Enabled Secret for Routers

- Set Time to Now for Routers

VLANs

- Modify VLANs

- Remove VLAN

Operations

Network

Cisco

CDP

- CDP Disable

- CDP Enable

- CDP Interface Enable

Deprecated

- Get CDP Neighbors

- Enumerate Routers

- Get CDP Neighbors

- Detect Restarted Cisco Router

Interfaces

Deprecated

- Get Interface Details

- Enable Interface

- Get Interface Details

- Get Interfaces
- Set IP Address
- Show Controller
- Show Interface Stat
- Show Interface Switching
- Show Queueing Interface

Logging

Deprecated

- Disable Local Logging
- Enable Local Logging
- Set Syslog Server
- Disable Local Logging
- Enable Local Logging
- Set Syslog Server
- Show Log

Misc

- Add DNS Server
- Add Time Server
- Add User
- Cancel Delayed Reload
- Delayed Reload with Config Save Check
- Delayed Reload
- Delete User

Deprecated

- Show Stacks
- Show Version
- Enable DNS Client
- Reload Server
- Set Banner
- Set Time
- Show Buffers
- Show Context
- Show Diag
- Show Proc CPU
- Show Stacks
- Show Technical Support
- Show Version

Routing

- Add RIP Network
- Disable Routing
- Enable Routing
- Show IP Route Summary

Samples

- Get Aggregate Log Information
- Get Interface Info

Security

- Set Enabled Secret

Telnet Commands

- Add user through Telnet

Deprecated

- Add user through Telnet
- Enable AAA Authentication
- Enable SSH
- Send Password
- Telnet Command
- Enable AAA Authentication
- Enable SSH

VLAN

Add VLAN
Enable VLANs
Generate VLAN Report
Get Interface VLANS
Get Virtual Interfaces
Get VLAN Details
Get VLANs
Write Memory

Citrix Presentation Server 1.3.0

Micro Focus OO Citrix Presentation Server Content Pack

Dependencies:
oo10-base-cp

Library

Accelerator Packs

Application Servers

Citrix Presentation Server

Deprecated

- Modify Application

Health Check

- Load Analysis

Information Gathering

- Get List of Applications

- Get Servers

- Get Sessions

- Query Application

Utility

- Add User to All Applications

- Add User to Application

- Get All Users

- Get Farm Name

- Modify Application

- Remove User from All Applications

- Remove User from Application

Operations

Application Servers

Citrix Presentation Server

Applications

- Add Application to Server

- Get Applications

- Modify Application

- Query Application

- Remove Application from Server

Deprecated

Applications

- Modify Application

- Get Farm Name

- Get Servers

- Query Server

Sessions

- Get Sessions

- Logoff Session

- Query Session

Users

- Add User To Application

- Query User

- Remove User from Application

VMware vCenter (CloudSlang) 1.3.1

VMware vCenter (CloudSlang) Content Pack contains flows and operations for integrating with VMware

Library

io

cloudslang

vmware

vcenter

deprovision_vm

guest

customize_linux_guest

customize_windows_guest

edit_customization_spec_linux

edit_customization_spec_windows

get_vm_tools_running_status

reboot_guest

shutdown_guest

power

get_power_state

restart

set_power_state

power_off_vm

power_on_vm

provision_linux_vm

provision_vm

provision_windows_vm

reboot_vm

set_vm_cpu

set_vm_memory

snapshots

create_snapshot

delete_snapshot

revert_to_snapshot

suspend_vm

util

advanced_search

check_guest_tools_state

check_power_state

compute_provision

set_power

unique_vm_name_generator

wait_for_vm_info

vm

check_vm_folder_exist

clone_vm

conf

add_disk_to_vm

add_existing_disk_to_vm

add_nic_to_vm

extend_disk_on_vm

get_vm_cpu_count

get_vm_memory_size

remove_disk_from_vm

remove_nic_from_vm

set_vmcpu_count
set_vm_memory_size
create_vm
create_vm_folder
create_vm_folder_if_inexistent
delete_vm
delete_vm_folder
get_vm

elastic-OO 1.1.28

Library

Community

Auto Scaling

Flows

- Auto Scaling Main
- Check Rules
- De-provision Central Container
- Get Central KPIs
- Provision Central Container

Operations

- Dispatcher
- Get CPU Usage
- Get GC Count
- Get GC Duration
- Get inBufferSize
- Get memoryUsage and Threads
- Get no of running executions
- Get outBufferCapacity
- Get outBufferSize
- Get runningTasksCount
- Prepare Ticket

Subflows

- Choose and Log Action
- Get CPU Time
- Get SWAP Usage
- Get the Buffers Status
- Rule CPU Time
- Rule GC Performance
- Rule no of Running Flows
- Rule Queue Size
- Rule Running Threads
- Rule SWAP
- Rule Used Memory

Parallel_Error_Handling 1.0.1

<pre> This content pack is an example content pack that utilizes some dummy data to explain how to create error handling for parallel steps and multi instance steps as well as explain some details about how these special steps function. Flow contain callouts to highlight these details.
</pre>

Library

Community

Error Handling Demo

Multi Instance

- Multi Instance Error Handling

Parallel Step

- Parallel Lane Error Handling - method 1
- Parallel Lane Error Handling - method 2
- Parallel Lane Error Handling - method 3

Sub Flows

Error Handlers

- Error Handler Checker
- Percentage Error Handler Checker
- Random failure with delay
- Random failure

Export Reports Data 1.5.0

Export OO Central runs data to csv

Library

Community

Export Report Data

v1

Export Operations Data

SubFlows

ConvertDates
getCurDateISO
getHeader
ProcessBatch

ITIL 1.3.0

Micro Focus OO ITIL Content Pack

Dependencies:

oo10-base-cp

oo10-hpe-solutions-cp

oo10-operating-systems-cp

oo10-sa-cp

Library

ITIL

Change Management

Deprecated

Detach Software Policy

Network

Compare Device ACLs

Run Diagnostic

Servers

Attach Software Policy

Check SAS for Changes

Detach Software Policy

Unblock Job

Incident Management

Network

Check Connectivity

Check NAS For Changes

Servers

Check Connectivity

Check SAS for Changes

Clean Windows Files

Deprecated

Clean Windows Files

Remediate Servers

Server Health Check

Jenkins 1.4.0

Micro Focus OO Jenkins Content Pack

Dependencies:
Base

Library

Community

DevOps

Jenkins

1

Get Job Details

Run Job

Samples

Run Job with Details

2

Get Job Details

Run Job

Samples

Run Job with Details

License Report 1.0.0

```
<pre>This content pack is used to determine the high level License requirement needs when switching from a node based licensing model to the new execution based licensing model. The content pack utilizes the data from the OO database to compile a report that shows hourly flow triggering and execution statistics. The report is saved on disk as XLS. This content pack utilizes heavy scriptlet activity to identify database connectivity information directly from Central. There are flow variants for both 10.5x and 10.60, and later, versions of OO.</pre>
```

Library

Community

Integrations

Operations Orchestration

License Report

- License Report Generator - 10.50

- License Report Generator

Sub-Flows

- DB Type Resolver 10.50

- DB Type Resolver

- Generate Excel Document

- Generate Report 10.50

- Generate Report

- Get Database Details

MSSQL

- MSSQL Generate Report 10.50

- MSSQL Generate Report

- MSSQL Get Concurrency 10.50

- MSSQL Get Concurrency

- MSSQL Microsoft driver resolver

- MSSQL Microsoft Generate Report

- MSSQL Microsoft Get Concurrency

- SQL Get Concurrency 10.50

- SQL Get Concurrency Offset

Time Traking

- Date Range Offset 10.50

- Get hour interval

- Get time offset 10.50

- Get time offset

- Normalize period

Utils

- Details Resolver 10.x

- Details resolver 2018.09 onward

- Version Resolver

HPE Peregrine Service Center 1.3.0

Micro Focus OO HPE Peregrine Service Center Content Pack

Dependencies:
oo10-base-cp

Library

Integrations

Hewlett-Packard

Peregrine Service Center

- Close Change

- Close Incident

Deprecated

- Create Incident

- incidentsAdd

- Get Change Info

- Get Incident Info

Ops

- Add Change

- Add Incident

- Close Change

- Get Change Details

- Get Change ids

- Get Incident Details

- Get Incident ids

- Get Problem Details

- Process Form Inputs

Samples

- Create Change

- Create Incident

- Update Change

- Update Incident

- Update Problem

Monitoring Executions 1.3.0

This content pack has community flows that could be used to both check flows' execution and resume those runs that were paused due to no workers in group

Library

Community

Monitoring Flows

Check Flows Execution

- Check Long Running Flows

- Check No Worker Flows

Resume No Worker Flows

- Resume No Worker Flows

Subflows

- Long Running Flows Notification

- Paused Flows Notification

Amazon AWS CloudFormation (CloudSlang) 1.0.4

Amazon AWS CloudFormation Content Pack

Library

io

cloudslang

amazon

aws

cloudformation

create_stack

delete_stack

examples

launch_stack

get_stack_details

list_stacks

Amazon AWS Lambda (CloudSlang) 0.1.0

Amazon AWS Lambda Content Pack

Library

io

cloudslang

amazon

aws

lambda

invoke_lambda

ConfigDataTransfer 1.2.6

Export\Import Central configuration data.

Library

Community

ConfigDataTransfer

Flows

- Export Configuration
- Import Configuration
- Migrate to Docker

Operations

- Create Admin User
- Create Deployment Process
- Create New Entity
- Delete Permissions File
- Entity Selector
- Get CP Deployment Process Status
- Get Entity Configuration
- Import Entity Selector
- Import Permissions
- Run CP Deployment Process
- Update Existing Entity
- Upload Permissions File

Subflows

Export

- Entitlements Tree Traversal
- Export Entitlements
- Export Entity Configuration
- Export Flow Schedules

Import

- Check Central State
- Import Content Packs
- Import Entities
- Import Entitlements
- Import Multi Valued Entities
- Import Schedules
- Import User

OO Central Security Management 1.0.2

<pre>

This content-pack contains items related to OO Central Security Management.

Available actions:

- change password

This content-pack uses Security User system account, which should be updated according to the environment in which the content-pack will be used. The user that is assigned to this system account should have Manage Security Configuration permission.

</pre>

Library

Community

Operations Orchestration

Central Security Management

Change Password

- Change My Password

Utilities

- Check Logged-in User

- Compare Passwords

- Create Roles JSON

- Display Message

oo-microfocus-operationsagent 2.0.0

Micro Focus Operations Agent

Library

Integrations

Micro Focus

Operations Agent

- Consolidate Logs
- Deploy Operations Agent
- Excute Deployment
- Get Temp Dir
- Install Agent
- Linux Flow
- Prepare
- SSH Flow Windows

Utilities

- AgentInstallStatus
- DateTimeScriptletOp
- MakeConsolidatedLog
- String Comparator
- TimeStampLogger
- Validate Inputs
- Validate OA Install Windows
- Windows Flow

Databases 1.7.2

Databases Content Pack contains flows and operations for integrating with Database Servers such as Microsoft SQL Server, Oracle and Sybase.

Dependencies:
oo10-base-cp

Library

Accelerator Packs

Database

Microsoft SQL Server

Deprecated

Database Write Diagnostic

Diagnostics

SQL Server Diagnostic

Health Check

Allocation Information for DB 1

Allocation Information for DB

Integrity Check for DB 1

Integrity Check for DB

Integrity Check for Table 1

Integrity Check for Table 2

Integrity Check for Table

SQL Manager Statistics 2

Information Gathering

Connectivity Test 1

Connectivity Test 2

Connectivity Test 3

Connectivity Test

Database Size 1

Database Size 2

Database Size 3

Database Size

List of Databases 1

List of Databases 2

List of Databases 3

List of Databases

No of Active Connections 1

No of Active Connections 2

No of Active Connections

No of Processes 1

No of Processes

Table Size 1

Table Size 2

Table Size 3

Table Size

Utility

Database Write Diagnostic

MS SQL Server Connectivity (2)

MS SQL Server Connectivity

SQL Server Repair (2)

SQL Server Repair

SQL Server Soft Reset

Diagnostics

SQL Event Log Diagnostic

SQL Server Diagnostic

Health Check

Allocation Information for DB
Integrity Check for DB
Integrity Check for Table
SQL Manager Statistics

Information Gathering

Connectivity Test
Database Size
List of Databases
No of Active Connections
No of Processes
Table Size

Utility

Database Read System Tables Test
Database Write Diagnostic
MS SQL Server Connectivity
SQL Server Repair
SQL Server Soft Reset

Oracle

Deprecated

Cache Hit Ratio

Health Check

Blocking sessions
No of Active Connections
Wait Class

Information Gathering

All Objects

All Objects
Collection Types
Dependencies
Invalid Objects
Object Count by Type
Public Database Links
Public Synonyms

All Stream Rules

Application Express

Applications
Pages
Schemas
Workspace

Database Administration

All Parameters (1)
All Parameters

All Tables

All Indexes
All Table Comments
All Tables
All Triggers
Clusters
Column Comments
Columns

Constraints

All Constraints
Check Constraints
Disabled Constraints
Enabled Constraints
Foreign Key Constraints
Primary Key Constraints

- Unique Constraints
- Datatype Occurrences
- Disabled Triggers
- Enabled Triggers
- Index Organized Tables
- Indexes by Status
- Indexes by Type
- Largest Average Row Length
- Most Rows
- Partitioned Tables
- Statistics
- Table Count by Tablespace
- Table with Comments
- Table with Unindexed Foreign Keys
- Table without Comments
- Tables by Tablespace
- Tables Without Indexes
- Tables Without Primary Keys
- Trigger Summary
- Unusable Indexes
- Cursor Detail (1)
- Cursor Detail
- Cursors by Sessions
- Locks by User (1)
- Locks by user
- Non Default Parameters (1)
- Non Default Parameters
- Sessions**
 - Active Sessions
 - Background Sessions
 - Inactive Sessions
 - Session Counts by OS user
 - Session Counts by Status
 - Sessions by Module
 - Sessions by Username
 - Sessions
 - System Sessions
- Storage**
 - Datafiles
 - Free space
 - Offline Tablespaces
 - Tablespace Quotas
 - Tablespace Segments
 - Tablespaces
- Users**
 - All users
 - Count by Account Status
 - Count by Default Tablespace
 - Count by Profile
 - Count by Temporary Tablespace
 - Expired
 - Locked
 - Object Count by Type
 - Recently created
 - With Objects
 - Without Objects
- Database Startup Time
- Dictionary View Columns
- Dictionary Views
- Get Database Status

Get Space Information in TEMPORARY
Tablespace

Jobs

All jobs
DBA jobs
Your jobs

National Language Support Parameters

Object Distribution

PLSQL

Program Unit Arguments
Search Source Code
Unit Line Counts

Security

All Encrypted Columns
All grants
Audit Policies
Column Privileges
Counts by grantor
Grant DML
Grant Execute
Grant Select
Grantable
Object Grants
Policies
Role Privileges
System Privileges
Your Encrypted Columns

Sub Flows

Set variable subflow

Top SQL

Top SQL by Buffer Gets 2
Top SQL by Buffer Gets per Rows Proc 2
Top SQL by Buffer Gets per Rows Proc
Top SQL by Buffer Gets
Top SQL by CPU 2
Top SQL by CPU
Top SQL by Disk Reads 2
Top SQL by Disk Reads
Top SQL by Executions 2
Top SQL by Executions

Version Banners
View rman Output
XML Schemas
Your Stream Rules

Utility

Identify Index Fragmentation

Diagnostics

Tablespace Diagnostics

Health Check

Blocking sessions
Database Size
No of Active Connections
Wait Class

Information Gathering

All Objects

All Objects
Collection Types
Dependencies
Invalid Objects

- Object Count by Type
- Public Database Links
- Public Synonyms
- All Stream Rules
- Application Express**
 - Applications
 - Pages
 - Schemas
 - Workspace
- Database Administration**
 - All Parameters
 - All Tables**
 - All Indexes
 - All Table Comments
 - All Tables
 - All Triggers
 - Clusters
 - Column Comments
 - Columns
 - Constraints**
 - All Constraints
 - Check Constraints
 - Disabled Constraints
 - Enabled Constraints
 - Foreign Key Constraints
 - Primary Key Constraints
 - Unique Constraints
 - Datatype Occurrences
 - Disabled Triggers
 - Enabled Triggers
 - Index Organized Tables
 - Indexes by Status
 - Indexes by Type
 - Largest Average Row Length
 - Most Rows
 - Partitioned Tables
 - Statistics
 - Table Count by Tablespace
 - Table with Comments
 - Table with Unindexed Foreign Keys
 - Table without Comments
 - Tables by Tablespace
 - Tables Without Indexes
 - Tables Without Primary Keys
 - Trigger Summary
 - Unusable Indexes
 - Cursor Detail
 - Cursors by Sessions
 - Locks by User
 - Non Default Parameters
 - Sessions**
 - Active Sessions
 - Background Sessions
 - Inactive Sessions
 - Session Counts by OS User
 - Session Counts by Status
 - Sessions by Module
 - Sessions by Username
 - Sessions

System Sessions

Storage

Datafiles
Free space
Offline Tablespaces
Tablespace Quotas
Tablespace Segments
Tablespaces

Users

All users
Count by Account Status
Count by Default Tablespace
Count by Profile
Count by Temporary Tablespace
Expired
Locked
Object Count by Type
Recently Created
With Objects
Without Objects

Database Startup Time

Dictionary View Columns

Dictionary Views

Get Database Status

Get Space Information in TEMPORARY Tablespace

Jobs

All jobs
DBA jobs
Your jobs

National Language Support Parameters

Object Distribution

PLSQL

Program Unit Arguments
Search Source Code
Unit Line Counts

Security

All Encrypted Columns
All Grants
Audit Policies
Column Privileges
Counts by Grantor
Grant DML
Grant Execute
Grant Select
Grantable
Object Grants
Policies
Role Privileges
System Privileges
Your Encrypted Columns

Sub Flows

Set Variable Subflow

Top SQL

Top SQL by Buffer Gets per Rows Proc
Top SQL by Buffer Gets
Top SQL by CPU
Top SQL by Disk Reads
Top SQL by Executions

Version Banners

- View RMAN Output
- XML Schemas
- Your Stream Rules

Utility

- Buffer Cache Hit Ratio
- Cache Hit Ratio
- Identify Index Fragmentation
- Library Cache Hit Ratio
- Rollback Segments

Sybase

Deprecated

Diagnostics

- Threshold Check

Health Check

- Allocation Information for DB
- Allocation Information for Table
- Integrity Check for DB
- Integrity Check for Table

Information Gathering

- Database Size (1)
- Database Size
- List of Databases
- No of Active Connections
- Table Size

Utility

- Backup Database
- Default Database
- Restore Database

Diagnostics

- Threshold Check

Health Check

- Allocation Information for DB
- Allocation Information for Table
- Integrity Check for DB
- Integrity Check for Table

Information Gathering

- Database Size
- List of Databases
- No of Active Connections
- Table Size

Utility

- Backup Database
- Default Database
- Restore Database

Operations

Databases

- DSN Command
- DSN Query

Microsoft SQL

Deprecated

- Get Active Connections
- Get Next Sql Row

Samples

- Active Connections
- Is An SQL Sample
- Server Instances
- Sql Check (1)

- SQL Check
- Sql Command
- SQL Query (1)
- Sql Query
- SQL Script
- SQLQuery

Sub Flows

- Get Next Sql Row
- Get Table Name
- Is SQL Connected
- More Items

Samples

- Active Connections
- Is An SQL Server
- Server Instances

v1

- Close Database Connection
- Get Active Connections
- Get Server Instances
- Is a SQL Server
- Run SRS Report
- SQL Command
- SQL Query
- SQL Restart
- SQL Script

v2

- SQLCommand
- SQLQuery
- SQLQueryAllRows
- SQLQueryLOB
- SQLQueryTabular
- SQLScript

Oracle

Deprecated

- Index Fragmentation Index Query Builder
- Index Fragmentation Query Builder
- Index Fragmented Appender

Sub Flows

- Get Next Sql Row
- More Items
- TNS Names SQL Command
- TNS Names SQL Query Tabular
- TNS Names SQL Script

- Index Fragmentation Calculations
- Index Fragmentation Index Query Builder
- Index Fragmentation Query Builder
- TNS Names SQL Command
- TNS Names SQL Query LOB
- TNS Names SQL Query Tabular
- TNS Names SQL Query
- TNS Names SQL Script

Sybase

Deprecated

- SQL Check

Sub Flows

- Backup Database and Path
- Get Database and User name
- Get Table Name

More Items
Restore Database and Path
SQL Check
SQL Query

Docker 2.2.2

The Docker Content Pack contains flows that can be used to leverage a multitude of Docker capabilities such as containers, images, machines and services.

Dependencies:
oo10-base-cp

Library

Integrations

Docker

Compose

- Create and Start Containers
- Kill Containers
- List Containers
- Print Public Port
- Pull Images
- Remove Stopped Containers
- Run Detached Commands
- Run Interactive Commands
- View Containers Logs

Containers

- Create Container

Deprecated

- Create Detached Container
- Create Detached Interactive Container With Volume
- Create Linked Container with Volume
- Create linked MySQL container Deprecated
- Delete Container
- Display Container Processes
- Export Container to Flat Image Tarball
- Get Container IP
- Get Container logs
- Get Container Port Mapping
- Kill Container
- List Containers
- Pause Container
- Restart Container
- Start Container
- Stop Container
- UnPause Container
- Display Container Processes
- Export Container to Flat Image Tarball
- Get Container Details
- Get Container IP
- Get Container Logs
- Get Container Port Mapping
- Kill Container
- List Containers
- Pause Container
- Remove Container
- Restart Container
- Start Container
- Stop Container
- Unpause Container
- Update Container

- Docker Kill Container
- Docker Pause Container
- Docker Restart Container
- Docker Run Container
- Docker Start Container
- Docker Stop Container
- Docker Unpause Container
- Docker Update Container

Exec

Deprecated

- Attach container and run command v2
- Attach container and run command
- Execute command on container v2
- Run command on detached container
- Run several commands on detached container
- Execute Command on Container

Images

- Create Image from Container
- Create Image from File
- Delete Image

Deprecated

- Get Image History
- Inspect Image or Container
- Get Image History
- Import Exported Container Image from Tarball
- Inspect Image
- Install Image from Community
- List Images
- Load Image from Tarball
- Save Image to Tarball
- Search Image in Community
- Tag Image

Machine

- Copy Files and Folders between Machines
- Create DigitalOcean Machine
- Delete Machine
- Get Machine Connection Configuration
- Get Machine IP
- Get Machine URL
- Get Swarm Info
- Inspect Machine
- Kill Machine
- List Machines
- Restart Machine
- Set Active Machine
- SSH to Machine
- Start Machine
- Stop Machine
- Upgrade Machine

Nodes

- Add Node to Swarm
- Create a Container in another Containers Node by Label
- Create a Container in another Containers Node
- Create a Container on Nodes Containing its Image

Sample Flows

- Create a Swarm with Multiple Nodes

Deprecated

- Check Docker Entity Existence

- Check Docker Entity If Running
- Create a Linked MySQL Container
- Create Container
- Get Image Details
- Link Containers

Subflows

- List Container Names
- List Image Names
- Interactively Control Docker Compose Services
- Retrieve List of Docker Compose Containers and Status

Utilities

- Choose and Trigger Docker Compose Command
- Get Services from YML File

Secrets

- Create Swarm Token

Services

- Build Services
- Restart Services
- Scale Services
- Start Services
- Stop Services

System

- Copy File from Container To Host
- Get Docker Host Info

Utilities

- Create Array from List
- Create Docker JSON
- Create Env Array
- Create Port Bindings
- Set Headers

EfficientIP 1.1.3

SOLIDserver Efficient IP OO Content.

It provides a baseline integration with Efficient IP IPAM, if DNS delegation is configured within EffIP then will handle it as well.

Library

Integrations

Efficient IP

DNS

- List DNS Servers

- Efficient IP Reserve IP Address

IPs

- Find Free IP Address

- Get IP Address Info

- Get Next Available IP

- Release IP

- Reserve IP Address on IPAM

- Reserve IP

Networks

- Get Network info

Subnets

- List Subnets

Utilities

- Build SOAP Request

- Check for Errors in Response

- Convention Dispatcher

- Generate Hostname

- Hexa to IP

- IP to Hexa

F5 BIG-IP 2.3.3

F5 BIG-IP Content Pack provides a baseline integration with F5 manager(s) for a standalone F5 service and a Load balancing mechanism integrated on multi tier design (with at least multiple servers within a server group).

Dependencies:

oo10-base-cp

oo-microfocus-solutions-cp

Library

Integrations

F5

BIG-IP

Domains

- Get Domain ID

- F5 Add Node to Pool

- F5 Deploy Load Balancing Service

- F5 Remove Load Balancing Service

- F5 Remove Node from Pool

Interfaces

- Get Interfaces Info

Monitors

- Create Monitor

- Remove Monitor

Nodes

- Change Node Status

Deprecated

- Change Pool Member

- Get Member Info

- Get Node Address Info

- Get Pool Member Details

- Get Pool Member Tiered Details

- Is Node Enabled

- Node Diagnostic

- Provision Pool Members Modify

- Provision Pool Members

- Remove from F5 Cluster

- Remove Node If Not Member

- Remove Pool Members Modify

- Remove Pool Members

- Safely Disable Node

- Temporarily Disable Node

Pools

- Create Pool

Deprecated

- Get Pools with Node

- Iterable Action Template

- Toggle Node from Pool with Threshold

- Toggle Node from Pool

- Get Pool Info

- Get Pools With Node

- Iterable Action Template v2

- Remove Pool

- Toggle Node from Pool v2

- Toggle Node from Pool with Threshold v2

Self IPs

Get Self IP Info

Utilities

Check Enabled Threshold

Check F5 BIG-IP Response

Generate Statistics Selection List

Resource Cleanup

VLANs

Get Route Domain ID for VLAN

vServers

Create vServer

Delete vServer

Get Virtual Server Stats

Foreman 1.1.3

Foreman OO Content.

It provides a baseline integration with Puppet master(s) for a policy-driven middleware & hardening automation using Puppet as well as a provider mechanism to work with different worker group(s) and configuration possible based on the provider

Library

Integrations

Foreman

Compute Profiles

- Get Compute Profile ID

Compute Resources

- Get Compute Resource Details
- Get Compute Resource ID

Environments

- Get Environment ID
- Foreman Add Puppet Classes to Host
- Foreman Create Host
- Foreman Delete Host
- Foreman Delete Puppet Classes from Host
- Foreman Force Puppet Agent Run

Hostgroups

- Get Hostgroup ID

Hosts

- Create New Host
- Delete Host
- Get Host Details
- Get Host ID
- Run Power Operation on Host

Locations

- Get Location ID

Organizations

- Get Organization ID

Puppet Classes

- Add Puppet Class to Host
- Delete Puppet Class from Host
- Force Puppet Agent Run on Host
- Get Puppet Class ID

Subnets

- Get Subnet ID

Utilities

- Check Response for Error Message

Infoblox 2.0.2

Infoblox Content Pack contains flows and operations for integrating with Infoblox DDI (DNS, DHCP and IPAM).

Dependencies:
oo10-base-cp

Library

Integrations

Infoblox DDI

CNAME Records

- Add CNAME Record
- Remove CNAME Record
- Search CNAME Record
- Update CNAME Record

DNS Zones

- Add DNS Zone
- Remove DNS Zone
- Search Zone

Host Records

- Add FQDN Host Record
- Add Host Record
- Remove FQDN Host Record
- Remove Host By IP
- Remove Host Record
- Search Host By IP
- Search Host
- Update Host Record

IP Networks

- Add IP Network
- Find Network
- Remove IP Network
- Search Network

IP Reservations

- Add IPv4 Fixed Address
- Get Next Available IP
- Remove IPv4 Fixed Address
- Search Reserved IP
- Reserve CNAME Record
- Reserve Host Record
- Reserve Next available IP for VM
- Reserve Next Available IP
- Reserve Static IP for VM

Utils

- Get StatusCode Message

IT Operations 1.5.2

IT Operations Content Pack contains flows and operations for integrating with Microsoft System Center Configuration Manager, Microsoft System Center Operations Manager, VMware vCenter Orchestrator (Opalis) and TN3270

Dependencies:
oo10-base-cp

Library

Integrations

Microsoft

Opalis

- Get All Policies
- Get Policy Details
- Get Policy Request Details
- Get Policy Requests

Samples

- Get All Policy Requests
- Get Policy Info
- Get Policy Requests Subflow
- Start Policy
- Stop All Policy Requests For Policy
- Stop All Policy Requests
- Stop Policy Request

System Center Configuration Manager

Client

- Get Client Advertisement Status
- Get Client Resource Id
- Request Machine Policy
- Trigger Hardware Inventory Schedule
- Trigger Software Inventory Schedule

Collections

- Add Resource to Static Collection
- Create Dynamic Collection
- Create Static Collection
- Delete Collection
- Get Collection Names and Ids
- Get Resources in Collection
- Is Resource in Collection
- Remove Resource from Static Collection
- Request Refresh Collection
- Update Collection Schedule

Deprecated

- Add Machine To Collection
- Get Collections
- Get Machines In Collection
- Is Machine In Collection
- Remove Machine From Collection

Desired Configuration

- Assign Baseline to Collection
- Delete Baseline Assignment
- Get Baseline Ids

OS Deployment

- Advertise Task Sequence to Collection
- Import New System

Samples

- Prepare for OS Deployment
- Prepare for Software Distribution

Site Management

- Check Component Status
- Check Site Status

Software Distribution

- Assign Distribution Point to Package
- Create Advertisement
- Create Package
- Create Program
- Delete Advertisement
- Delete Distribution Point from Package
- Delete Package
- Delete Program
- Update Advertisement
- Update Package
- Update Program

Software Update

- Add Updates to Deployment Package
- Create Deployment Package
- Create Deployment
- Create Software Update Group
- Delete Deployment Package
- Delete Deployment
- Delete Software Update Group
- Deploy Software Update Group
- Get Content Id By Software Update CI Id
- Get Software Update CI Ids
- Undeploy Software Update Group
- Update Deployment Package
- Update Deployment
- Update Software Update Group

System Center Operations Manager

- Change Resolution State
- Get Alert Detail
- Get Resolution State By Alert Id
- Get Resolution States
- Is Computer In Maintenance Mode
- Put Computer In Maintenance Mode
- Remove Computer From Maintenance Mode

Samples

- Maintenance Mode
- Resolution State
- Update Ticket
- Update Ticket

System Center Orchestrator

- Get All Runbooks
- Get Job Details
- Get Runbook Details
- Get Runbook Jobs

Samples

- Get All Jobs
- Get Jobs Subflow
- Get Runbook Info
- Start Runbook
- Stop All Jobs
- Stop Job

VMware

VMware vCenter Orchestrator

Manage Workflows

- CancelWorkflow
- ExecuteWorkflow
- LaunchWorkflow
- RetrieveResults

Obtain Information

- FindObjectById
- FindObjectsByName
- FindObjectsByProperty
- GetWorkflowDetails
- Ping

Operations

TN3270

- Capture All Fields
- Capture Field
- Capture Screen
- Connect

Deprecated

- Capture all Fields
- Capture Field
- Capture Screen
- Connect
- Disconnect
- Move Cursor
- Move to Field

Samples

- By Field Sample
- By Screen Sample
- Send Characters

- Disconnect
- Execute Command
- Move Cursor
- Move To Field
- Read Buffer

Samples

- Menu Capture Sample
- Send Characters
- Send PA Key
- Send PF Key
- Send SysReq
- Snap
- Wait

Kubernetes 1.0.1

Kubernetes Content Pack contains flows and operations for integrating with Kubernetes objects (Namespace,Node,Pod,Service,Replication Controller and Deployment).

Dependencies:
oo10-base-cp

Library

Integrations

Kubernetes

- Create Deployment
- Create Namespace
- Create Pod
- Create Replication Controller
- Create Service
- Delete Deployment
- Delete Pod
- Delete Replication Controller
- Delete Service

Deployments

- Create Deployment
- Delete Deployment
- List Deployments
- Read Deployment
- Replace Deployment

Endpoints

- Create Endpoint
- Delete Endpoint
- List Endpoints
- Read Endpoint

Namespaces

- Create Namespace
- Delete Namespace
- List Namespaces
- Read Namespace
- Replace Namespace

Nodes

- List Nodes
- Read Node

Pods

- Create Pod
- Delete Pod
- List Pods
- Read Pod
- Replace Pod

Replication Controllers

- Create Replication Controller
- Delete Replication Controller
- List Replication Controllers
- Read Replication Controller
- Replace Replication Controller

Samples

- Deploy Cassandra Application
- Deploy GuestBook Application

Subflows

- Deploy Service
- Undeploy Cassandra Application
- Undeploy GuestBook Application

Services

- Create Service
- Delete Service
- Get Service
- List Services

Utils

- Get StatusCode Message

Middleware 1.4.2

Middleware Content Pack contains flows and operations to automate middleware, for example, application servers and web servers. Integrations such as Citrix XenApp, IBM WebSphere and Oracle WebLogic are located here.

Dependencies:

oo10-base-cp

oo10-thirdparty-cp

Notes:

1. The 'Third party' content pack is helpful for using third-party libraries in Operations Orchestration which cannot be distributed by EntIT Software LLC, a Micro Focus company. Please see the release notes of 'Third party' content pack for more information on how to properly set it up before importing it.

Library

Accelerator Packs

Application Servers

BEA WebLogic

Deprecated

Restart Application

Health Check

Check Application State

is Application Up

is WebLogic Up

Information Gathering

Query Configuration Manager

Query Domain Configuration

Query Domain Runtime

Query Server Configuration

Query Server Runtime

Utility

Configure Application Deployment Attribute

Configure Server Attribute

Deploy Application

Restart Application

Restart Server

Start Application

Stop Application

Total Server Shutdown

Undeploy Application

Wait For State

Citrix XenApp

Deprecated

Utility

Get Farm Name

Health Check

Load Analysis

Information Gathering

Get List of Applications

Get Servers

Get Sessions

Query Application

Utility

- Add User to All Applications
- Add User to Application
- Get All Users
- Get Farm Name
- Modify Application
- Remove User from All Applications
- Remove User from Application

JBoss

Health Check

- Active Sessions
- Server Start Date
- Session Maximum Alive Time

Information Gathering

- Cache Maximum Size
- Free Memory
- Java Version
- JBoss Server Version
- Server Home Directory

Sub Flows

- JBoss Action

Utility

- Query MBean
- Run Finalization
- Run Garbage Collection

Tomcat

Health Check

- Security Roles
- Session Statistics
- Tomcat Application Health

Information Gathering

- JNDI Resources List
- Server Information
- Tomcat Application List

Utility

- Deploy Application
- Reload Application
- Start Application
- Stop Application
- Tomcat Service Restart
- Undeploy Application

WebSphere

Health Check

- Check Thread Health

Information Gathering

- Gather JVM Details
- Gather Server Details
- Get System Property
- JMS Port Details

Utility

- Dump Threads
- Generate Heap Dump
- Get Versions For All EFixes
- Get Versions For All Extensions
- Restart Server
- Stop Server Immediately
- Stop Server Process

IIS

Health Check

- FTP Server Health
- NNTP Server Health
- Web Server Health

Utility

- Remove from Windows Cluster
- SMTP Server Health
- Soft Reset IIS

Operations

Apache

- Get Server Stats

Application Servers

BEA WebLogic

Applications

- Check Application State
- Configure Application Deployment Attribute
- Deploy Application
- Get Application Names By Server
- Query Application Deployment Configuration Target
- Query Application Deployment Configuration
- Query Application Runtime
- Restart Application
- Start Application
- Stop Application
- Undeploy Application
- Wait For State
- Query Configuration Manager
- Query Domain Configuration
- Query Domain Runtime

Samples

- is Application up
- is WebLogic Up
- Restart

Servers

- Configure Server Attribute
- Query Server Configuration
- Query Server Runtime
- Restart Server
- Resume Server
- Start Server
- Suspend Server
- Total Server Shutdown

Citrix XenApp

Applications

- Add Application to Server
- Get Applications
- Modify Application
- Query Application
- Remove Application from Server
- Close Runspace Session
- Close RunspacePool Session

Deprecated

- Get Farm Name
- Get Farm Name
- Get Servers
- Query Server
- Run XenApp Cmdlets

Sessions

- Get Sessions
- Query Session
- Stop Session by SessionId
- Stop User Session

Users

- Add User to Application
- Query User
- Remove User from Application

Jboss

- JBoss Action

Tomcat

Deprecated

- Manage Tomcat
- Manage Tomcat
- Restart Tomcat Web Application
- Start Tomcat Web Application
- Stop Tomcat Web Application

WebSphere

- Get Attribute
- Invoke Operation

Samples

- Sample Get Attribute
- Sample Invoke Operation

IIS

- Change Application Pool Status
- Change Site Status

Deprecated

- Wait for no ASP.NET Connections
- Wait for no Connections with Timeout
- Wait for no Web Service Connections
- Get Application Pool Status
- Get IIS version
- Get Site Status
- Is An IIS
- List Application Pools
- List Sites

Samples

- Is An Iis Sample
- Wait for no ASP.NET Connections
- Wait for no Web Service Connections
- Wait For Performance Counter Value With Timeout

NetBackup 1.1.2

Symantec NetBackup OO Content for CSA capsule(s) from HPE Content Factory
It provides a baseline integration with NetBackup master(s) for a policy-based backup automation from a SLA driven configuration to on-demand backup lifecycle as well as a provider mechanism to work with different worker group(s) and configuration possible based on the provider.

Library

Integrations

Symantec

NetBackup

Backups

- Take On-Demand Backup

- NetBackup Deploy Policies

- NetBackup Remove Policies

- NetBackup Take On-Demand Backup

Policies

- Deploy Policy

- Remove Policy

Utils

- Set Hardware and OS

OpenNetAdmin 1.1.3

OpenNetAdmin Content Pack contains flows for a integration with OpenNetAdmin monitoring system. It contains generic flows for managing hosts, IPs and subnets.

Dependencies:

oo10-base-cp

oo-microfocus-solutions-cp

Library

Integrations

OpenNetAdmin

- Create Host using Next Available IP

- Delete Host

Hosts

- Create Host

- Get Host Record Details

IPs

- Get Next Available IP

Subnets

- Get Subnet Details

Utilities

- Generate Host Name

Operating Systems 1.5.3

Operating Systems Content Pack contains flows and operations to automate different Operating Systems such as Microsoft Windows, Red Hat or IBM AIX.

Dependencies:
oo10-base-cp

Library

Accelerator Packs

Operating Systems

AIX

- AIX Health Check

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

Specialized Flows and Ops

- Check Process Output

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Format Disk Space Information
- Minutes Since Last Log Message

FreeBSD

Deprecated

- Check For Vital Processes
- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot
- Start Service

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Minutes Since Last Log Message

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Format Disk Space Information
- Minutes Since Last Log Message

HP-UX

- HP-UX Health Check

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

Specialized Flows and Ops

- Check Process Output

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages

- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Format Disk Space Information
- Minutes Since Last Log Message

Red Hat

Deprecated

- Check CPU Utilization
- Check for Recent Log Messages
- Check time duration
- CPU Metrics Sample
- Delete Largest File
- Disk Full
- Disk Usage Sample
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Kill CPU Intense Process
- Network Metrics
- Ping Triangulation
- Recent Reboot 1
- Recent Reboot
- Recently Modified File
- Red Hat Health Check 1
- Red Hat Health Check
- Server Reboot with Notification 1
- Server Reboot with Notification
- Start Service with Notification
- Start Service

State Changes

- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages (1)
- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Minutes Since Last Log Message

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

Red Hat Health Check

Specialized Flows and Ops

- Check Process Output

State change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

Utility

- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Format Disk Space Information
- Is PID Running
- Minutes Since Last Log Message

Solaris

Deprecated

- Check CPU utilization
- Check for Recent Log Messages
- Check Process by PID
- Check Process Output
- Check Retry Count
- Check Time Duration
- CPU Metrics Sample
- Delete Largest File
- Disk Full
- Disk Usage Sample
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Get PID from Process Name

Information Gathering

- CPU Metrics
- Disk Usage
- Kill CPU intense process
- Ping Triangulation
- Recent Reboot
- Recently Modified File
- Server Reboot with Notification 1
- Server Reboot with Notification
- Solaris Health Check (1)
- Solaris Health Check
- Start Service

Information Gathering

- Check CPU Utilization
- Check for Recent Log Messages
- CPU Metrics
- Disk Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Network Metrics
- Recent Reboot

Solaris Health Check

Specialized Flows and Ops

- Check Process Output
- Check Retry Count

State change

- Kill Process with Retry
- Server Reboot with Notification
- Start Service

Utility

- Check For Vital Processes
- Check Load Average
- Delete Largest File
- Disk Full
- Kill CPU intense process

Specialized Flows and Ops

- Check time duration
- Format Disk Space Information
- Minutes Since Last Log Message

SUSE Linux

Deprecated

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

SUSE Linux Health Check

Utility

- Check for Recent Log Messages (1)
- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

Minutes Since Last Log Message

Information Gathering

- CPU Metrics
- Disk Usage
- Display File Systems and How Full
- Display Free Memory
- Display Last Boot Time
- Display Number of Processors
- Display OS Info
- Memory Metrics
- Network Metrics
- Recent Reboot

Specialized Flows and Ops

- Check Process Output

State Change

- Server Reboot with Notification
- Start Service with Notification
- Start Service

SUSE Linux Health Check

Utility

- Check for Recent Log Messages
- Check For Vital Processes
- Check Load Average
- Check Process by PID
- Get PID from Process Name
- Kill Process with Retry

Specialized Flows and Ops

- Check Time Duration
- Format Disk Space Information
- Minutes Since Last Log Message

Windows

Cluster

- Windows Cluster Reporting

Deprecated

- Clean User Profiles
- Clean Windows Files

PowerShell

Events

- Get Event Log (2)
- Get Event Log (3)
- Get Event Log
- List Event Types
- Unregister Event Source
- Write Event Log (1)
- Write Event Log (2)
- Write Event Log

Networking

- Configure Network Adapter (1)
- Configure Network Adapter
- Get Adapter Configuration
- List Network Adapters

Services

- Get Dependent Services
- Get Service Dependencies
- Start Service
- Stop Service

Shares

- Delete Share

Utility

- Create Local Group
- Create Local User
- Disable Local User
- Enable Local User
- Get Date and Time
- Get Disk Drives
- Rename Computer
- Restart Computer
- Shutdown Computer

State change

- Start Automatic Services
- Windows Delete or Zip
- Windows Health Check (1)
- Windows Health Check

PowerShell

Events

- Clear Event Log
- Get Event Log
- Limit Event Log
- List Event Types
- Remove Event Log
- Unregister Event Source
- Write Event Log

Get Execution Policy

Networking

- Get Adapter Configuration
- List Network Adapters
- Set Network Adapter

Services

- Get Dependent Services
- Get Service Dependencies
- List Services
- Number of Services
- Resume Service
- Start Service
- Stop Service
- Suspend Service

Set Execution Policy

Shares

- Create Share
- Delete Share
- List Shares

Utility

- Add Computer
- Create Local Group
- Create Local User
- Disable Local User
- Enable Local User
- Get Date and Time
- Get Disk Drives
- Get Hotfix
- Get Logical Disks
- Get Screen Saver
- Get WMI Log Level
- Remove Computer
- Rename Computer
- Report Desktop Settings
- Report Firewall Configuration

- Report Logical Disk Performance
- Restart Computer
- Set WMI Log Level
- Shutdown Computer

State change

- Graceful Service Restart
- Restart Service
- Start Automatic Services

Utility

- Analyze Process Counters
- Analyze Process Info
- Clean Logs
- Clean User Profiles
- Clean Windows Files

Deprecated

- Get Memory Performance
- Get Network Performance
- Service Status
- Start Service
- Stop Service
- Get CPU Performance
- Get Hard disk Performance
- Get Memory Performance
- Get Network Performance
- Get Process Info
- Reset Service Account
- Service Status
- Start Service
- Stop Service
- Windows Delete or Zip
- Windows Health Check

PlateSpin Migrate 1.0.0

PlateSpin Content Pack contains flows to automate registering and migrating the workload

Library

Integrations

Micro Focus

PlateSpin Migrate

Add Containers

- Add Container
- Add Workload
- Assign Workload to Container
- Get Container Status
- Get Container

Install Agent

- Install PlateSpin Agent on Linux

Migrate Workload

- Get Migrated VM Info
- Get Operations URI
- Get Workload Details
- Get Workload
- Migrate Workload to Azure
- Run Replication

Remediation 2.1.2

Remediation Content Pack contains content to be used in fixing common IT issues like File System Cleanup, Restart Server, Restart Service or Operating System Health Check.

Library

Remediation

Accelerator Packs

File System Cleanup

- File System Cleanup on Linux
- File System Cleanup on Windows

Utilities

- Run Batch Script on Windows
- Run Shell Script on Linux

Operating System Health Check

- Operating System Health Check with EM
- Operating System Health Check

Subflows

- Linux Health Check
- Windows Health Check

Restart Server

- Restart Server with EM
- Restart Server

Restart Service

- Restart Service

Utilities

- List All Services
- Restart Linux Service

Run Script

- Run Batch File on Windows
- Run Shell File on Linux

Integrations

Hewlett-Packard

Operations Manager i

- Add Annotation
- Get Annotations
- Get Event
- Update Annotation
- Update Event

Utilities

Logs

- Log Initializer
- Log Writer

Reports

- Create HTML Report

Security

- Check Injection in Linux File
- Check Injection in Windows File
- Check Injection

SAP 3.3.1

Name:
SAP

Publisher:
Micro Focus

Description:
SAP Content Pack contains content that integrates with SAP products.

Dependencies:
oo10-base-cp
oo10-thirdparty-cp

Provides:
Library Integrations
Configuration Items Selection Lists

Notes:
1. The 'Third party' content pack is helpful for using third-party libraries (such as SAP specific libraries) in Operations Orchestration which cannot be distributed by Micro Focus. Please see the release notes of 'Third party' content pack for more information on how to properly set it up before importing it.

Library

Integrations

SAP

Samples

Additional IDocs

Trash IDoc

Trash Ledger

Bank Sample

Company Sample

Currency Sample

Requests and Tasks

Release Task or Request

User Lifecycle Sample

User Sample

Wizard

Invoke SAP BAPI

SAP Landscape Virtualization Management 1.2.1

This content pack contains the Micro Focus OO integration with SAP LVM

Dependencies:
oo10-base-cp

Library

Integrations

SAP

Landscape Virtualization Management

Configurations

- Download Configurations
- Upload Configurations

Processes

- Get Process Details
- Get Processes of State
- Get Progress

SAP Instances

- Execute Operation
- Restart SAP Instance
- Start SAP Instance
- Stop SAP Instance
- Test SAP Instance

SAP Systems

- Clone SAP System
- Copy SAP System
- Refresh SAP System

Utilities

- Check System Instances
- Get SAP System Details
- Get Validation Issues
- Get Validation Results
- Wait for Process to Finish

Templates

- Delete Template
- Download Template
- Execute Template
- List Templates
- Update Template

SAP Provisioning 3.1.1

Library

Integrations

SAP

Deprecated

- Create and send file to remote host
- Delete Data on DNS-Server
- Deploy SAP Service
- Perform Installation Linux
- Resume SAP component
- Suspend SAP System
- Undeploy SAP Service
- Update DNS-Server
- Wait for System available
- SAP Deploy HANA Database
- SAP Deploy Service
- SAP Resume Component
- SAP Suspend System
- SAP Undeploy Service

Utilities

- Create and Send File to Remote Host
- Wait For System Available

ServiceNow 1.2.2

ServiceNow Content Pack contains flows that can leverage the incident management capabilities provided by servicenow. It contains generic flows that can address any ServiceNow table as well as flows customized for the Incident, Change and Problem tables.

Dependencies:
oo10-base-cp

Library

Integrations

ServiceNow

Changes

- Create Change
- Delete Change
- Get Change Details
- Update Change

Commons

- Create Record
- Delete Record
- Get Record
- Patch Record
- Update Record
- Get OAuth Token

Incidents

- Create Incident
- Delete Incident
- Get Incident Details
- Update Incident

Problems

- Create Problem
- Delete Problem
- Get Problem Details
- Update Problem

Samples

- Get Incidents With OAuth

Utilities

- Check Status Code

Zabbix 1.1.3

Zabbix Content Pack contains flows for a integration with Zabbix monitoring master(s) for a policy-driven and middleware driven monitoring automation, gives also a way to dynamically set maintenance.

Dependencies:

oo10-base-cp

oo-microfocus-solutions-cp

Library

Integrations

Zabbix

Authentication

Get Authentication Token

Maintenance

Set Maintenance

Unset Maintenance

Servers

Register Server

Unregister Server

Templates

Get Templates

Utilities

Check Zabbix Response

Zabbix Disable Monitoring

Zabbix Manage Monitoring

Zabbix Set Maintenance

Zabbix Unset Maintenance

SA 1.5.0

Server Automation Content Pack

Library

Integrations

Micro Focus

Server Automation

ADM

Application

- Create Version
- Get Applications
- Get Releases
- Get Versions Using a SA Component
- Get Versions
- Remove Version

Deployment

- Deploy Version
- Get Deployment Jobs
- Get Version Deployment Status
- Get Versions Deployed In a Server
- Rollback Version
- Set Version Deployment Status
- Undeploy Version
- Wait For Adm Job

Target

- Attach Target With TargetTier
- Create Target
- Detach Target From TargetTier
- Get Environments
- Get Targets
- Get TargetTiers
- Remove Target
- Update Managed Servers In a TargetTier

Agent

Agent Installation

- Find gateways name
- Get SA Server ID
- Install SA Agent on Server
- Remove SA Agent Installer Lock
- Find SA Agents By Device Id
- Find SA Agents By Device Name
- Find SA Agents By Hostname
- Get SA Agent Vos
- Install SA Agent
- Start Unregister Agent
- Upgrade SA Agent

Application Configuration

- Create Application Configuration
- Get Application Instances
- Modify Application Configuration
- Start Configuration Push

APX

- Get Program APXs
- Run Program APX

Audits

- Add Servers As Audit Targets
- Copy Audit Task
- Create Audit Policy
- Create Audit Task From Audit Policy
- Create Audit Task From Snapshot Specification
- Create Audit Task From Snapshot
- Get Audit Policy Refs By Server
- Get Audit Policy VO
- Get Audit Task VO
- Get Latest Audit Result VO
- Remediate Audit Result
- Remove Audit Result
- Remove Audit Task
- Retrieve Audit Result Summary
- Retrieve Audit Results
- Search Audit Task
- Start Audit Compliance Check

Chef

- Get Chef Cookbook VO
- Get Chef Recipe VO
- Run Chef Recipe
- Search Chef Cookbook

Custom Attributes

- Add or Set Custom Attribute
- Delete Custom Attribute
- Get Custom Attribute

Custom Fields

- Attach Virtual Column
- Detach Virtual Column
- Get Custom Field
- Get Virtual Columns
- Set Custom Field

Virtual Columns

- Create Virtual Column
- Delete Virtual Column
- Get Virtual Column
- Update Virtual Column

Customers

- Get Customer VOs

Deprecated

ADM

OO-SA 9.00

Application

- Create Version

Deployment

- Deploy Version
- Get DeploymentJobs
- Rollback Version
- Undeploy Version

Application Configuration

- Create Application Configuration

APX

OO-SA 1.4

- Run Program APX

Device Groups

OO-SA 9.00

- Get Server List
- Get Server VOs from Device Group

Patch Policies

Get Patch Policy Compliance Scan Summary

OO-SA 9.00

Attach Servers to Patch Policy

Detach Servers from Patch Policy

Get Servers in Patch Policy

Solaris

OO-SA 9.00

Create Solaris Patch Policy

Remediate Server

Scripts

OO-SA 1.2

Start Adhoc Server Script

Servers

Add Server to Device Group

OO-SA 1.3

Get Software Policies From Server

OO-SA 1.4

Start Install Software

OO-SA 9.00

Remediate Server

OO-SA 9.00

Get Software Policies from Server

Remediate Server

Remove Server from Device Group

Software Policies

Attach Software Policy

Detach Software Policy

Get Software Policy Compliance Scan Summary

OO-SA 9.00

Attach Software Policy

Detach Software Policy

Get Servers in Software Policy

Virtualization

Virtualization SA 10

Virtual Server

OO-SA 9.00

Start Modify Devices From

Virtual Server

Virtualization SA 9

Hypervisor

Get DataStores Of Hypervisor

Get Guest OSes

Get Hypervisor For Virtual Machine

Get Hypervisor

Get Port Groups

Get Virtual Machines Of Hypervisor

Refresh Hypervisor

Virtual Machine

Clone Virtual Machine

Create Virtual Machine

Get Valid Target Hypervisors For

Cloning a Virtual Machine

Get Virtual Machine

Manage Virtual Machine State

Remove Virtual Machine

Virtualization Service

Add Virtualization Service

Get Hypervisors Discovered By

- Virtualization Service
- Get Virtualization Service For Hypervisor
- Get Virtualization Services
- Ping Virtualization Service
- Reload Virtualization Service Data
- Remove Virtualization Service
- Update Virtualization Service

Device Groups

- Create Device Group
- Delete Device Group
- Get Device Group Dynamic Rule
- Get Device Group VO
- Get Server List
- Get Server VOs from Device Group
- Refresh Membership
- Remediate Device Group For Patch Policies
- Remediate Device Group For Software Policies
- Remediate Device Group
- Set Device Group Dynamic Rule
- Update Device Group

Folders

- Create Folder
- Delete Folder
- Get Folder Ref By Path
- Get Folder VOs
- Get SA Version

ILO Manager

- Get ILO Manager By Name
- Start Register ILO Manager
- Start Unregister ILO Manager
- Start Update ILO Manager

Jobs

- Add Ticket Number
- Approve Blocked Job
- Cancel Job
- Cancel Scheduled Job
- Get Base Job Result
- Get Job Info VO
- Get Script Job Result
- Is Job Completed
- Run Communication Test Job Result
- Wait for Job

Managers

- Get All Managers
- Get Manageables
- Get Manager VO
- Get Managers By Type
- Get Managers By Vendor

OS Provisioning

MBC

- Delete DHCP Mapping For MBC Record
- Manage Boot Client

OS Sequences

- Attach Device Groups to OS Sequence
- Attach Patch Policies to OS Sequence
- Attach Software Policies to OS Sequence
- Clear Automatic Provisioning Rule

- Create OS Sequence
- Get OS Sequence VO by Name
- Get OS Sequence VOs
- Remove OS Sequence
- Start OS Sequence

OSBP

- Create OSBuildPlan
- Get OSBuildPlan
- Remove OSBuildPlan
- Start OSBuildPlan

Patch Policies

- Add Patches to Patch Policy
- Attach To Patch Policy
- Detach From Patch Policy
- Get Patch Policy Attachables
- Get Patch Policy Compliance Scan Details
- Get Patch Policy Compliance Scan Summary
- Get Patch Policy VOs
- Get Patches in Patch Policy
- Remove Patches from Patch Policy

Solaris

- Create Solaris Patch Policy
- Delete Solaris Patch Policy
- Get Scripts From Solaris Patch Policy
- Start Patch Policy Compliance Scan

Windows

- Create Windows Patch Policy
- Delete Windows Patch Policy
- Wait for SA Job Completion
- Windows Server Attach - Patch Policies
- Windows Server Remediate and Scan - Patch Policy Compliance
- Windows Server Scan - Patch Policy Compliance

Patches

AIX

- Get APAR VOs
- Get Update Fileset VOs
- Delete Patch
- Get Device Patches
- Get Installed Devices for Patch
- Get OSes with Patches
- Get Patch Types for OS
- Get Patch VOs
- Get Policy Override ID

HPUX

- Get Patch Fileset VOs
- Get Patch Product VOs
- Install Patches
- Policy Override Add
- Policy Override Get VOs
- Policy Override Remove
- Schedule Install Patch
- Schedule Uninstall Patch

Solaris

- Get Solaris Patch Cluster VOs
- Get Solaris Patch VOs
- Uninstall Patch

Windows

- Get Hotfix VOs

- Get Service Pack VOs
- Get Update Rollup VOs
- Get Windows Patch VOs

Platforms

- Get Platform VOs

Samples

- Add Patch Policy Override
- Attach Software Policy
- Check MAC Address for Server
- Create Software Policy
- Delete MBC Record
- Detach Software Policy
- Get Patch information
- Install a patch
- Provision Server
- Remediate Servers
- Run Hardware Registration on Server
- Run Scan for Unmanaged Servers
- Run Script Job And Retrieve Result
- Run Software Registration on Server
- SA Core Health Check
- SA Sattelite Health Check
- Scan and Get Software Policy Compliance
- Scan Patch Policy Compliance
- Select Agent Installer
- Start Create Virtual Machine
- Start Install Agent
- Start Run Script

Scripts

- Get OGFS Scripts
- Get Server Scripts
- Start Adhoc Server Script
- Start OGFS Script
- Start Server Script

Search

- Get Searchable Attribute Operators
- Get Searchable Attribute Values
- Get Searchable Attributes
- Get Searchable Types
- Search Object

Servers

- Add Server to Device Group
- Get Change Logs
- Get Hosted Managers
- Get Installed Services
- Get Installed Software
- Get Managers For Server
- Get Managers Of Type For A Server
- Get Platform Type
- Get Server Hardware VO
- Get Server VO
- Get Software Policies From Server
- Get Unprovisioned Servers
- Get Virtual Servers Hosted By Hypervisor
- Reboot Server
- Remediate Server For Patch Policies
- Remediate Server For Software Policies
- Remediate Server
- Remove Server from Device Group

- Remove Server
- Rename Server
- Run Communication Test
- Search Server
- Start Install Software
- Start Uninstall Software
- Update Server Information

Snapshots

- Get Snapshot Task VO
- Remove Snapshot Task
- Start Snapshot

Software Policies

- Add Item to Software Policy
- Attach Software Policy
- Create Software Policy
- Delete Software Policy
- Detach Software Policy
- Get Software Policy Attachables
- Get Software Policy Compliance Scan Summary
- Get Software Policy Items
- Get Software Policy VO
- Remove Item from Software Policy
- Remove Software Policy Attachment
- Run ISMControl Script

Software Deploy/Undeploy Policies on Server

- Apply or Remove Software Policies on Server
- Attach Software Policies on Server
- Detach Software Policies on Server
- Remediate Server for Software Policies
- Start Software Policy Compliance Scan
- Update Software Policy

Software Rollback

- Delete Rollback Point
- Get Software Rollback Points
- Start Rollback Software

Units

- Get Unit VOs
- Import Package

Virtualization

Virtualization SA 10

Clusters

- Get Cluster VOs
- Get Clusters By Name
- Get Clusters By Number Of CPUs
- Get Clusters By Number Of Hosts
- Search Clusters

Datastores

- Get Datastore VOs
- Get V12N Datastores By Name

Drivers

- Get All Driver Codes
- Get Driver By Code
- Get Registrable Servers By Code

Hypervisors

- Get Hypervisors By Connection State
- Get Hypervisors By Name
- Get Hypervisors By Software
- Get Microsoft Hypervisor VO
- Get VMware Hypervisor VO

Search Hypervisors

Inventory Folder

Get Inventory Folder By Path

Get Inventory Folder VOs

Get Inventory Folders By Name

Managers

Get Supported Guest Operating Systems

Get Virtualization Manager VO

Get Virtualization Manager

Start Add Host

Start Register

Start Reload

Start Unregister

Start Update

Resource Pool

Get Resource Pool VOs

Get Resource Pools By Name

Search Resource Pools

Virtual Server

Get Virtual Server Template VOs

Get Virtual Server VOs

Get Virtual Servers By Connection State

Get Virtual Servers By Guest OS

Get Virtual Servers By Hypervisor

Get Virtual Servers By Name

Search Virtual Servers

Start Add Devices To Microsoft Managed
Virtual Server

Start Add Devices To Vmware Managed
Virtual Server

Start Clone VM

Start Convert VM To Template

Start Create Virtual Server On Scvmm

Start Create Virtual Server On Vcenter

Start Deploy VM From Template

Start Hibernate

Start Migrate Virtual Server

Start Modify Devices From Microsoft
Managed Virtual Server

Start Modify Devices From Vmware
Managed Virtual Server

Start Modify Memory CPU For Virtual
Server

Start Modify Virtual Server Details

Start Power Cycle Graceful

Start Power Cycle

Start Power Off Graceful

Start Power Off

Start Power On

Start Power State Change

Start Remove Devices From Virtual Server

Start Remove Template

Start Remove Virtual Server

Symantec Backup Exec 1.3.0

Micro Focus OO Symantec Backup Exec Content Pack

Dependencies:
oo10-base-cp

Library

Operations

Backup Exec

Job Management

- Backup

- Restart

- Restore

Samples

 - Backup

 - Restart

 - Restore

 - Stop

- Stop

Log Analyzer

Deprecated

 - Get Alert Details (1)

 - Get Alert Details

 - Get Job History (1)

 - Get Job History (2)

 - Get Job History

- Get Alert Details

- Get Job History

Samples

 - Get Alert Details

 - Get Job History

VMWare Server 1.3.0

Micro Focus OO VMWare Server Content Pack

Dependencies:
oo10-base-cp

Library

Accelerator Packs

VMware Server

Deprecated

- Get Detailed Info of a Hosts Virtual Machines
- Get Status of a Hosts Virtual Machines
- Get Virtual Machine Info

State change

- Start A Virtual Machine
- Stop A Virtual Machine
- Suspend A Virtual Machine

Utility

- Register a Virtual Machine
- Register and Unregister a Virtual Machine
- Unregister a Virtual Machine

- Get Detailed Info of a Hosts Virtual Machines
- Get Status of a Hosts Virtual Machines
- Get Virtual Machine Info

State change

- Start A Virtual Machine
- Stop A Virtual Machine
- Suspend A Virtual Machine

Utility

- Register a Virtual Machine
- Register and Unregister a Virtual Machine
- Unregister a Virtual Machine

Integrations

VMware

VMware Server

- Aggregate Virtual Machine Data

Deprecated

- Get Virtual Machine Display Name
- Get Virtual Machine IP Address
- Get Virtual Machine Memory
- Get Virtual Machine Operating System Name
- Get Virtual Machine State
- Host Enumerate Virtual Machines
- Host Register Virtual Machine
- Host Unregister Virtual Machine
- Reset Virtual Machine
- Start Virtual Machine
- Stop Virtual Machine
- Suspend Virtual Machine
- VmwareCmd(1)
- VmwareCmd

- Get Virtual Machine Display Name
- Get Virtual Machine IP Address
- Get Virtual Machine Memory

Get Virtual Machine Operating System Name
Get Virtual Machine State
Host Enumerate Virtual Machines
Host Register Virtual Machine
Host Unregister Virtual Machine
Reset Virtual Machine
Start Virtual Machine
Stop Virtual Machine
Suspend Virtual Machine
VMware Command

Community Contributed

Community Contributed Content is provided for free. Community Contributed Content is not supported via Micro Focus Software Support.

Ansible_Tower 1.0.0

Library

Integrations

RedHat

Ansible_Tower

Credentials

- Create Credential
- Delete Credentials
- Get Credential ID
- List Credentials

Hosts

- Create Host
- Delete Host
- Get Host ID
- List Hosts

Inventories

- Create Inventory
- Delete Inventory
- Get Inventory ID
- List Inventories

Job Templates

- Create Job Template
- Delete Job Template
- Get Job Template ID
- List Job Templates

Jobs

- Job Status
- Wait for final Job result

Organizations

- Create Organization
- Delete Organization
- Get Organization ID
- List Organizations

Projects

- Create Project
- Delete Project
- Get Project ID
- List Projects

Sample

- Add Host and run Playbook
- Remove Host

Subflows

- Add Host to Inventory
- Create Job Template
- Remove Inventory
- Remove Job Template
- Run Job with Template

Users

- Create User
- Delete User
- Get User ID
- List Users

Ansible_Tower_Project 1.0.0

Library

io

cloudslang

redhat

ansible_tower

credentials

- create_credential
- delete_credential
- get_credential_id
- list_credentials

hosts

- create_host
- delete_host
- get_host_id
- list_hosts

inventories

- create_inventory
- delete_inventory
- get_inventory_id
- list_inventories

jobs

- job_status
- remove_job
- run_job_with_template
- wait_for_final_job_result

job_templates

- attach_credentials_to_job_template
- create_job_template
- delete_job_template
- get_job_template_id
- list_job_templates

organizations

- create_organization
- delete_organization
- get_organization_id
- list_organizations

projects

- create_project
- delete_project
- get_project_id
- list_projects

samples

- add_host_and_run_playbook
- add_new_host_and_run_existing_job_template
- remove_host_job_template_and_inventory

users

- create_user
- delete_user
- get_user_id
- list_users

utils

- delete_all_jobs

search_and_replace

proxmox_virtual_environment 1.0.0

Library

io

cloudslang

proxmox

pve

access

get_ticket

cluster

get_cluster_nodes

get_pve_version

nodes

get_nodes

lxc

create_lxc_from_template

delete_lxc

get_lxc_status

shutdown_lxc

snapshot

create_snapshot

delete_snapshot

list_snapshots

rollback_snapshot

start_lxc

stop_lxc

suspend_lxc

qemu

agent

get_vm_ip

create_and_start_vm_from_template

create_vm_from_template

current_vm_status

delete_vm

list_qemu_templates

reboot_vm

resume_vm

shutdown_vm

snapshot

create_snapshot

delete_snapshot

list_snapshots

rollback_snapshot

start_vm

stop_vm

suspend_vm

storage

list_available_storage

tasks

get_task_status

vzdump

create_backup

extract_config

pools

create_pool
delete_pool
get_pools

storage

content

list_backups
list_images
list_isos
list_templates

tools

create_body
create_urlencoded_body
generate_vmid

puppet_enterprise 1.0.0

Library

io

cloudslang

puppet

puppet_enterprise

environments

- add_environment
- delete_environment
- get_environments

groups

- add_node_to_group
- create_group
- delete_group
- get_groupid_by_name
- get_groups
- get_group_by_id
- remove_node_from_group

nodes

- create_connection
- delete_connection
- get_connections
- install_agent_linux
- install_agent_unix
- install_agent_windows

orchestrator

jobs

- get_job_status
- puppet_agent_run_on_a_group
- puppet_agent_run_on_a_node

tasks

- get_tasks
- get_task_details
- pe_bootstrap
- sign_node_certificate

rbac

- create_user
- delete_user
- get_auth_token
- get_userid
- get_users
- get_user_roles

samples

- add_new_node_to_puppet
- install_package_on_a_node
- reboot_all_nodes_in_a_group

CSA-Proxmox 0.9.6

Library

CSA Content Pack

Providers

Proxmox

Actions

- pve Container - Deploy (experimental)
- pve Container - Undeploy (experimental)
- pve Flex CPU and Memory
- pve Simple Compute - Deploy
- pve Simple Compute - Undeploy
- pve VM - Resume
- pve VM - Start
- pve VM - Stop
- pve VM - Suspend
- pve VM Snapshot - Create
- pve VM Snapshot - Delete
- pve VM Snapshot - Rollback

Subflows

- pve Create CT from Image
- pve Create Snapshot
- pve Create VM from Template
- pve Delete Snapshot
- pve Delete VM
- pve Get Snapshots
- pve Get VM Details
- pve Restart VM
- pve Resume VM
- pve Rollback Snapshot
- pve Start VM
- pve Stop VM
- pve Suspend VM
- pve VM Set CPU and Memory

Subflows REST

- pve Get VM Details

DemoFlow-SA-StartScriptAndQueryJob 1.0.4

Project DemoFlow-SA-StartServerScriptAndQueryJob:

Examples of OO-Flows for demonstration and/or training purposes, this one: run a server script on all servers of a device group.

Version history:

2015/06/18 Wodisch 1.0.0 project started

2015/06/19 Wodisch 1.0.1 project re-structured thanks to discussion with Tal

2015/06/21 Wodisch 1.0.3 flow cleaned up to not use any system property nor system accounts

2015/07/26 Wodisch 1.0.4 comments restructured, parameters of steps corrected, html formatting removed

Authors:

Wodisch/cTc ComputerTechnik Czakay GmbH, Germany

Requirements:

- OO >= OO10.00, but are created on OO10.20 Studio
- features of later/newer version of OO are usually not used/necessary
- the flows usually have inputs and results and can be called as sub-flows
- usually the start step is a generic "initialization" step, to fill in values from the inputs, or system properties/system accounts if the flow inputs are empty

Flows included:

This simple flow gets the SA-server connection information from inputs and returns lists of server names, server IDs, script exit codes, and script outputs.

Flow SA-StartScriptAndQueryJob:

This simple flow gets the SA-server connection information from inputs and returns lists of server names, server IDs, script exit codes, and script outputs.

Library folder:

/Community/OO-SA-Integration/Run a ServerScript on all servers of a DeviceGroup

Inputs:

- SAcoreHost: the FQDN or IP-address of the SA-core to be used (any SA10.x core, default is sava10.s3.kic.de)
- SAcorePort: the port to be used to communicate with that SA core (default is 443, must match the SAcoreProtocol)
- SAcoreProtocol: the protocol to be used to communicate with that SA core (default is HTTPS, must match the SAcorePort)
- SAdeviceGroupPath: the absolute path of the device group to be used (default is Public/JustAnExampleDeviceGroup)
- SAServerScriptName: the (short) name of the server script to be executed on all member servers of the device group (default is JustAServerScript)
- SAServerScriptArgs: the arguments to be passed to the server script (as a single string, default is an empty string)
- SAcore AccountUsername: the login name of the account to communicate with that SA core (needs proper permissions to execute the script on the servers)
- SAcoreAccountPassword: the password for that account
- SAScriptTimeout: the maximum time permitted for the script to run before being terminated (default is 60 minutes, depends on the script and the amount of servers within the device group)

Outputs:

- exitCodes: the list of exitCodes of the scripts (one per server, in the same order as serverIDs)

and serverNames)

- outputs: the list of the outputs of the script
- serverIDs: the list of server IDs
- serverNames: the list of server names

Responses:

- failure: not all server executed the script successfully
- success: all servers executed the script successfully

System Properties:

- none used

System Accounts:

- none used

Summary:

- First it connects to the SA core to retrieve the SA server version, as all the other steps need that as an input.
- Then it retrieves the ID of the device group used (since the "path" of the group is passed as an input, not its name)
- Then it retrieves the list of servers of device group with that ID, as the list of server names is needed, later on.
- Then it retrieves the ID of the server script to be run, as the operation "Start Server Script" needs both, scriptname and scriptID.
- Then it creates/starts a job to execute that server script on all these servers.
- Then it waits for the job to finish (in 10s intervals of checking - which is too soon by far for a real environment).
- Then it retrieves exitcodes and outputs from that job for all the servers and passes these as outputs of the flow.
- Then it retrieves the list of server names with the correct order to be passed as another output of the flow.
- Finally the "display" option of the flow's return step "Resolved: success" displays the result as HTML.

Remarks:

Every step making use of an SA-operation has its own "ErrorHandler", since they all pass different results.

This simple ErrorHandler is actually a copy of the "No Operation" to "display" the errorMessage and uses two inputs:

- stepName: the name of the step to report an error from,
- errorMessage: the errorMessage formatted as string (to fill in all the data needed).

For easier readability this string is formatted as an HTML table.

That string is then shown as the "display" option of that step.

In real life flows you would substitute it for some "real error handling", i.e. report an event to your monitoring system, raise an incident with your trouble ticket system, or such.

Library

Community

ErrorHandler

OO-SA-Integration

Run a ServerScript on all servers of a DeviceGroup

Init Flow

SA-StartScriptAndQueryJob

Excel to MSSQL 1.0.10

Library

Operations

excelsql-plugin

Excel To MS-SQL

Samples

Export Excel To MS-SQL

FIPS140-2Config 1.0.4

<pre> Flows in this content pack will aid in configuring an OO installation to be fips 140-2 compliant. Content works for OO central and RAS starting with version 10.20. </pre>

Library

Community

FIPS140-2 Config

Fips Configuration

FIPS140-2 Config

SubFlows

Central

- Generate Encrypted Db Password
- Linux Db Processing
- Replace Db Password
- Replace Encryption
- Windows Db Processing

Common

- Copy Crypto Files

Encryption Properties

- Linux Filter and Modify
- Windows Filter and Modify
- Encryption.Properties Modifications

Java Security

- Linux Filter and Modify
- Windows Filter and Modify
- Java.Security Modifications

RAS

- Replace Encryption

Utility

- Component Resolver
- Create Paths - Central Only
- Create Paths - Mixed components
- Create Paths - RAS Only
- Get component list
- OSDetect

Interactive SMS 1.2.0

<pre>

This Projects holds OO operations and flows that enable interactions Via SMS.

- 1.Send SMS Message.
- 2.Retrieve SMS Message.

In order to send and receive SMS, a 3rd party service called Twilio was used.
Additional information regarding Twilio settings can be found in: <https://www.twilio.com/>
</pre>

Library

Community

SMS

Example Flows

- Send And Retrieve SMS Messages
- Send SMS

Operations

- Retrieve SMS
- Send SMS

Mail Trigger 1.2.1

<pre>

The designed content contains a flow named Mail Listener and Trigger which was designed to:

- a. Gather bulk emails from Exchange 365.
- b. Parse emails based on specified subject.
- c. Trigger Micro Focus OO Flows by using details retrieved from the emails.
- d. Notify stakeholders with relevant data in case of failure or success.

Note: Flows are triggered in a multi instance format by using the Dynamic Launch Flow

Dependencies: Base, Micro Focus Solutions, Microsoft Office 365

</pre>

Library

Community

Mail Trigger

Mail Bucket Sample Flows

- Generate UUID
- Linux Health Check
- Windows Health Check

Mail Listener and Trigger

Utilities

- Get Bulk Mail Subject and Sender
- Get Flows by Name
- Get Mailbox Items
- Get Messages
- Get Unique Flow by Name
- HTML Mail Body Formatter
- Send Custom Email
- Trigger Flow by Mail Subject

Nagios 1.0.5

```
<pre>
```

Nagios content pack contains flows and operations to integrate with Nagios 4.1.x through HTTP calls.

```
</pre>
```

Library

Community

Nagios 4.1

Host Details

- Get All Host Groups
- Get All Hosts in Host Group
- Get All Hosts
- Get Host Details
- Get Host Totals - Split By Status
- Get Hosts by Status

Samples

- Sample Scenario 1 - Hosts
- Sample Scenario 2 - Services

Utility For Sample Purposes

- Compile Report - Hosts by Status
- Compile Report - Services by Status

Service Details

- Get Service Totals
- Get Services by Status

Tactical Overview

- Get Number Of Outages

Utility

- Get Time Since Status Change

Remote File Operations 1.0.1

Library

FileOperations

- Read Excel on Remote
- Read File From Remote Server
- Write File To Remote Server

SDA 1.0.1

Library

Integrations

Micro Focus

SDA

Flows

runProcess

subFlows

getApplication

getApplicationProcess

getComponent

getEnvironment

vRA 1.0.1

Library

Integrations

Micro Focus

VMware

vRA

Get Request Detail

Get Resource Details

Get Template Request for Catalog Item

Get Token

Request Catalog Item

Request vRA Offering

Silver Partner

NetAppWFA 0.9.0

This Content Pack includes OO operations and sample OO flows that simplify the execution of NetApp Workflow Automation (WFA) Workflows from within HP OO.

Library

Integrations

NetApp

WFA

Samples

- Create cDOT CIFS Vol

- Move cDOT Vol

- Remove a cDOT Vol

Workflows

- Cancel Job

- Execute Workflow

- Get Job by JobId

- Get Job Output Parameters

- Get Workflow by Name

- Get Workflow by UUID

- Get Workflow Output Parameters

- Get Workflows by Categories

- Get Workflows

- Preview Workflow

- Resume Job

- Wait for Job Completion

Gold Partner

BlueCat 1.0.0

HP Operations Orchestration 10.X content pack for BlueCat Address Manager. This content pack provides full integration, operations, and provisioning flows for the BlueCat Address Manager API. The operations library provides extensive configuration and provisioning steps for managing all aspects of BlueCat IP Address Management, DNS, and DHCP.

For full documentation of the operations and their parameters see the BlueCat Address Manager API Guide v4.11 [linked to <https://care.bluecatnetworks.com/apex/bcnCCDownload?id=a144000006QpOL>].
For content pack features and configuration see the content pack guide under Resources.

Requirements:

BlueCat Address Manager 4.11 or later.

OO Base Content, Version 1.5.3 or later.

Library

Integrations

BlueCat

Flows

- De-Provision a Device by IP Address (Interactive)

- De-Provision a Device by IP Address

- Provision a New Device (interactive)

- Provision a New Device

Subflows

- Get configurations

- Get views for configuration

Operations

- addAccessRight

- addACL

- addAdditionalIPAddresses

- addAliasRecord

- addBulkHostRecord

- addCustomOptionDefinition

- addDevice

- addDeviceInstance

- addDeviceSubtype

- addDeviceType

- addDHCP4Range

- addDHCP4RangeBySize

- addDHCP6ClientDeploymentOption

- addDHCP6Range

- addDHCP6ServiceDeploymentOption

- addDHCPClientDeploymentOption

- addDHCPDeploymentRole

- addDHCPMatchClass

- addDHCPServiceDeploymentOption

- addDHCPSubClass

- addDHCPVendorDeploymentOption

- addDNSDeploymentOption

- addDNSDeploymentRole

- addEntity

- addEnumNumber

- addEnumZone

- addExternalHostRecord

- addGenericRecord

addHINFORecord
addHostRecord
addIP4BlockByCIDR
addIP4BlockByRange
addIP4IPGroupByRange
addIP4IPGroupBySize
addIP4Network
addIP4NetworkTemplate
addIP4ReconciliationPolicy
addIP6Address
addIP6BlockByMACAddress
addIP6BlockByPrefix
addIP6NetworkByPrefix
addMACAddress
addMXRecord
addNAPTRRecord
addParentBlock
addParentBlockWithProperties
addResourceRecord
addResponsePolicy
addServer
addSRVRecord
addStartOfAuthority
addTag
addTagGroup
addTFTPDeploymentRole
addTFTPFile
addTFTPFolder
addTFTPGroup
addTXTRecord
addUser
addUserGroup
addVendorOptionDefinition
addVendorProfile
addView
addZone
addZoneTemplate
assignIP4Address
assignIP6Address
assignNextAvailableIP4Address
assignOrUpdateTemplate
associateMACAddressWithPool
breakXHAPair
changeStateIP4Address
clearIP6Address
configureReplication
createXHAPair
delete
deleteAccessRight
deleteDeviceInstance
deleteDHCP6ClientDeploymentOption
deleteDHCP6ServiceDeploymentOption
deleteDHCPClientDeploymentOption
deleteDHCPDeploymentRole
deleteDHCPServiceDeploymentOption
deleteDHCPVendorDeploymentOption
deleteDNSDeploymentOption
deleteDNSDeploymentRole
deleteDNSDeploymentRoleForView
deleteWithOptions

denyMACAddress
deployServer
deployServerConfig
deployServerServices
editXHAPair
failoverXHA
getAccessRight
getAccessRightsForEntity
getAccessRightsForUser
getAdditionalIPAddresses
getAliasesByHint
getDependentRecords
getDeploymentOptions
getDeploymentRoles
getDHCP6ClientDeploymentOption
getDHCP6ServiceDeploymentOption
getDHCPClientDeploymentOption
getDHCPDeploymentRole
getDHCPServiceDeploymentOption
getDHCPVendorDeploymentOption
getDNSDeploymentOption
getDNSDeploymentRole
getDNSDeploymentRoleForView
getEntities
getEntitiesByName
getEntitiesByNameUsingOptions
getEntityByCIDR
getEntityById
getEntityByName
getEntityByPrefix
getEntityByRange
getHostRecordsByHint
getIP4Address
getIP4NetworksByHint
getIP6Address
getIPRangedByIP
getKSK
getLinkedEntities
getMACAddress
getMACAddressesInPool
getMaxAllowedRange
getNetworkLinkedProperties
getNextAvailableIP4Address
getNextAvailableIP4Network
getNextAvailableIPRange
getNextAvailableIPRanges
getNextIP4Address
getParent
getServerDeploymentRoles
getServerDeploymentStatus
getServerForRole
getSystemInfo
getUserDefinedFields
getZonesByHint
importServer
isAddressAllocated
isMigrationRunning
linkEntities
login
logout

mergeBlocksWithParent
mergeSelectedBlocksOrNetworks
migrateFile
moveDeploymentRoles
moveIP4Object
moveIPObject
moveResourceRecord
quickDeploy
reapplyTemplate
reassignIP6Address
removeAdditionalIPAddresses
replaceServer
resizeRange
searchByCategory
searchByObjectTypes
splitIP4Network
tagEntity
unlinkEntities
untagEntity
update
updateAccessRight
updateBulkUdf
updateDHCP6ClientDeploymentOption
updateDHCP6ServiceDeploymentOption
updateDHCPClientDeploymentOption
updateDHCPDeploymentRole
updateDHCPServiceDeploymentOption
updateDHCPVendorDeploymentOption
updateDNSDeploymentOption
updateDNSDeploymentRole
updateWithOptions
uploadResponsePolicyItems

OO-Zerto-Integration 1.0.0

Zerto Virtual Replication (ZVR) is the standard for VMware and Hyper-V virtual machine replication and orchestration. ZVR allows for recovery point objective (RPOs) measured in seconds and recovery time objectives (RTOs) measured in minutes. Full disaster recovery and migration workflows are pre-defined in ZVR and with the HPOO integration, fully automated failover testing is performed on a schedule that meets the service level agreements.

Library

Integrations

Zerto

Flows

- Failover Test

Operations

- Check Failover Test Status

- End Session

- Get Task Status

- Get VPG Checkpoints

- Get VPG Identifier

- Login

- Placeholder

- Start Failover Test

- Stop Failover Test