



## General Tasks

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# Add Application Category

## Summary

Add an Application Category.

## Description

This task adds an Application Category in UCSD.

## Inputs

Input	Description	Mappable To Type	Mandatory
Category Label	Category Label	gen_text_input	Y
Category Code	Category Label	gen_text_input	
Category Description	Category Description	gen_text_input	
Category Enabled	Category Enabled	gen_text_input	
Default Smart Allocation Algorithm	Default Smart Allocation Algorithm	smartAllocationAlgorithm List	Y

## Outputs

Output	Description	Type
CATEGORY_ID	Category ID	gen_text_input
CATEGORY_NAME	Category Name	gen_text_input

# Add VMware Account

## Summary

Add a VMware account to the Pod.

## Description

Add a VMware account to the Pod. Pod name should be given as user mapping input.

## Inputs

Input	Description	Mappable To Type	Mandatory
Cloud Name	The cloud name. The name cannot include single quotes.	gen_text_input	Y
vCenter or Host Address	Enter the IP address or the FQDN of the vCenter or Host.	gen_text_input	Y
Use Credential Policy	Select if you want to use policy to give the credentials.		
Credential Policy			Y
User ID	The username that this account will use to access the vCenter or Host. This username must be a valid account with administrator or root privileges.	gen_text_input	Y
Password	The password associated with the user id.	password	Y
Port	Enter the port number of the vCenter or Host.	gen_text_input	Y
Access URL	Enter the URL for server access.	gen_text_input	Y
Skip Cloud Reachability Check	Select if you want to verify if vCenter server is reachable or not.	Boolean	

## Outputs

No Outputs
------------

# Apply License

**Summary****Description****Inputs**

Input	Description	Mappable To Type	Mandatory
	Browse to select PAK license file, and click Upload button before submitting the form.	gen_text_input	
Enter License Text	Select checkbox to enter license text instead of file upload.		
License Text	Enter the License Text here	gen_text_input	Y

**Outputs**

No Outputs
------------

# Budget Allocation

**Summary**

Allocate a budget.

**Description**

This task allocates a budget for a Group in which a VM is provisioned.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

No Outputs
------------

# Check Group Resource Limit

**Summary**

Configure VM resource limits.

**Description**

This task sets resource limits on a VM so as not to overtax a Group.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

No Outputs
------------

# Clone Standard Catalog

## Summary

Clone a standard catalog.

## Description

This task clones a standard catalog.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select a catalog to clone	Choose a standard catalog to clone	StandardCatalog	Y
Catalog Name	Enter the catalog name	gen_text_input	Y
Catalog Description	Enter the catalog description	gen_text_input	
Catalog Type	Choose the catalog type	CatalogType	Y
Catalog Icon	Choose the catalog icon	StandardCatalog Icon	Y
Applied to all groups	Check to apply the catalog to all groups	Boolean	Y
User Group ID	Choose one or more user groups	userGroup	Y
Support Contact Email Address	Enter the support contact email address	gen_text_input	
Publish to end users	Check to publish the catalog to end users	Boolean	Y
Cloud Name	Choose the cloud name	gen_text_input	Y
Provision new VM for ISO mounting	Check to provision a new VM for ISO mounting	Boolean	
Provision new VM using Content Library VM Template	Check to provision a new VM using a content library VM template	Boolean	Y
Provision all disks in single datastore	Check to provision all disks in a single datastore	Boolean	Y
Select Folder	Provide the catalog folder	gen_text_input	
Service Request Support Email	Service Request Support Email		
Configure Service Request Support Email	Check to configure the SR support email	Boolean	
Category	Choose the application category	ucsdApplication Category	Y
End user can override category	Check to provide an option for the end user to override the application category	Boolean	Y
Specify OS	Provide the OS	gen_text_input	



Input	Description	Mappable To Type	Mandatory
Specify Other OS	Enter the other OS	gen_text_input	
Specify Applications	Provide one or more applications	gen_text_input	
Specify Other Applications	Enter the other applications	gen_text_input	
Application Code	Enter the application code	gen_text_input	
Credential Options	Provide the credential options	gen_text_input	
Automatic Guest Customization	Automatic Guest Customization		
Enable Automatic Guest Customization	Check to perform automatic guest customization	Boolean	
Pre Provisioning Custom Actions	Pre Provisioning Custom Actions		
Enable Pre Provisioning Custom Actions	Check to use a pre-provisioning workflow	Boolean	
Workflow	Choose the post-provisioning workflow	compoundWorkflow	
Post Provisioning Custom Actions	Post Provisioning Custom Actions		
Enable Post Provisioning Custom Actions	Check to use a post-provisioning workflow	Boolean	
Workflow	Choose the post-provisioning workflow	compoundWorkflow	
Virtual Storage Catalog	Provide the virtual storage catalog		
Enable Virtual Storage Catalog	Check to use a virtual storage catalog	Boolean	
Virtual Storage Catalog	Provide the virtual storage catalog	gen_text_input	
Cost Computation	Cost Computation		
Charge Duration	Choose the charge duration	CatalogChargeUnit	
Active VM Application Cost	Enter Active VM Application Cost	gen_text_input	
Inactive VM Application Cost	Enter Inactive VM Application Cost	gen_text_input	
VM Life Cycle Configuration	VM Life Cycle Configuration		
Lease Time	Check to provide the lease time configuration	Boolean	
Days	Enter the lease days	gen_text_input	
Hours	Enter the lease hours	gen_text_input	
Hide end user lease configuration	Check to hide the lease configuration from end users	Boolean	

Input	Description	Mappable To Type	Mandatory
Hide end user VM provision later	Check to hide the VM provision-later option from end users	gen_text_input	
Web Access Configuration	Web Access Configuration		
Enable to allow users to access via Web browser	Check to allow users to access the catalog via web browser	Boolean	
URL	Enter URL	gen_text_input	
Label	Enter the label	gen_text_input	
Remote Desktop Access Configuration	Remote Desktop Access Configuration		
Enable to allow users to access via Remote Desktop	Check to allow users to access the catalog via remote desktop	Boolean	
Server	Enter the server	gen_text_input	
Port	Enter the port	gen_text_input	
Label	Enter the label	gen_text_input	
VMRC Console Configuration	VMRC Console Configuration		
Enable to allow users to access VMRC Console	Check to allow users to access the VMRC console	Boolean	

### Outputs

Output	Description	Type
CATALOG_ID	CATALOG ID	StandardCatalog
CATALOG_NAME	CATALOG NAME	gen_text_input

# CloudSense Generate Report

## Summary

CloudSense Generate Report

## Description

This task generates report for selected cloudsense or report builder templates.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select Report Type	Choose the report type	CloudSenseReportType	Y

## Outputs

Output	Description	Type
OUTPUT_REPORT_TYPE	CloudSense report type(CloudSense Report or Custom Report)	gen_text_input
OUTPUT_CLOUDSENSE_REPORT_NAME	CloudSense Report	gen_text_input
OUTPUT_CLOUDSENSE_REPORT_TITLE	CloudSense Report Generated	gen_text_input
OUTPUT_REPORT_BUILDER_TEMPLATE_NAME	Report Builder Template	gen_text_input
OUTPUT_REPORT_BUILDER_REPORT_TITLE	Custom Report Generated	gen_text_input

# Collect Inventory

## Summary

Collect inventory for VMware, UCS, NetApp and Network Devices.

## Description

This task collects Inventory for VMware, UCS, NetApp and Network Devices.

## Inputs

Input	Description	Mappable To Type	Mandatory
VMware Account	Select VMware Accounts for which inventory need to be collected.	gen_text_input	
UCS Account	Select UCS Accounts for which inventory need to be collected.	gen_text_input	
NetApp Account	Select NetApp Accounts for which inventory need to be collected.	gen_text_input	
VDI Account	Select VDI Accounts for which inventory needs to be collected.	gen_text_input	
Network Device	Select networking Device	networking_device	
APIC Account	Select APIC Account	ApicDeviceMultiIdentity	
ACI Multi-Site Account	Select ACI Multi-Site Account	MSCDeviceIdentity	

## Outputs

No Outputs

# Configure Mail Notification

**Summary**

Configure a Notification Mail.

**Description**

This task configures notification emails for VM events.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

No Outputs
------------

# Create IP Subnet Pool Policy

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
Policy Name	Policy Name	gen_text_input	Y
Policy Description	Policy Description	gen_text_input	
Network Supernet Address	Network Supernet Address	gen_text_input	Y
Network Supernet Mask	Network Subnet Mask, ex 255.255.255.0	gen_text_input	Y
Number of Subnets Required	Number of Subnets Required	gen_text_input	Y
Gateway Address	Gateway Address Index	IPSubnetPoolPolicyGatewayAddressList	Y
Allow IP Overlap	Select to Allow IP Overlap	IPSubnetPoolPolicyAlloeIPOverLapList	Y
Scope	Scope	PolicyIPPoolScopeType	

## Outputs

Output	Description	Type
IP_SUBNET_POOL_POLICY_NAME	Name of the IP Subnet Pool Policy Name on which the selected operation was performed	gen_text_input
OUTPUT_IP_SUBNET_POOL_POLICY_IDENTITY	IP Subnet Pool Policy Identity	IPSubnetPoolPolicy
OUTPUT_NETWORK_IP	Network IP	ipaddress
IP_SUBNET_POOL_POLICY_NO_OF_SUBNETS	Name of the IP Subnet Pool Policy no of subnets on which the selected operation was performed	gen_text_input
IP_SUBNET_POOL_POLICY_OVER_LAPING	Name of the IP Subnet Pool Policy over laping on which the selected operation was performed	gen_text_input
IP_SUBNET_POOL_POLICY_SCOPE	Name of the IP Subnet Pool Policy scope on which the selected operation was performed	gen_text_input

# Create Standard Catalog

## Summary

Create a standard catalog.

## Description

This task creates a new standard catalog.

## Inputs

Input	Description	Mappable To Type	Mandatory
Catalog Name	Enter the catalog name	gen_text_input	Y
Catalog Description	Enter the catalog description	gen_text_input	
Catalog Type	Choose the catalog type	CatalogType	Y
Catalog Icon	Choose the catalog icon	StandardCatalog Icon	Y
Applied to all groups	Check to apply the catalog to all groups	Boolean	Y
User Group ID	Choose one or more user groups	userGroup	Y
Support Contact Email Address	Enter the support contact email address	gen_text_input	
Publish to end users	Check to publish the catalog to end users	Boolean	Y
Cloud Name	Choose the cloud name	CloudName	Y
Provision new VM for ISO mounting	Check to provision the new VM for ISO mounting	Boolean	
Provision new VM using Content Library VM Template	Check to provision the new VM using the content library VM template	Boolean	Y
Image	Choose the Hyper-V image	hyperv_image_lov	Y
Vmware Image	Choose the VMware image	image	Y
Provision all disks in single datastore	Check to provision all disks in single datastore	Boolean	Y
Select Folder	Provide the catalog folder	gen_text_input	
Service Request Support Email	Service Request Support Email		
Configure Service Request Support Email	Check to configure the SR support email	Boolean	
Category	Choose the application category	ucsdApplication Category	Y
End user can override category	Check to provide the option for the end user to override the application category	Boolean	Y

Input	Description	Mappable To Type	Mandatory
Specify OS	Provide the OS	gen_text_input	
Specify Other OS	Enter the other OS	gen_text_input	
Specify Applications	Provide one or more applications	gen_text_input	
Specify Other Applications	Enter the other applications	gen_text_input	
Application Code	Enter the application code	gen_text_input	
Credential Options	Provide the credential options	gen_text_input	
Automatic Guest Customization	Automatic Guest Customization		
Enable Automatic Guest Customization	Check to perform automatic guest customization	Boolean	
Pre Provisioning Custom Actions	Pre Provisioning Custom Actions		
Enable Pre Provisioning Custom Actions	Check to use a pre-provisioning workflow	Boolean	
Workflow	Choose the post-provisioning workflow	compoundWorkflow	
Post Provisioning Custom Actions	Post Provisioning Custom Actions		
Enable Post Provisioning Custom Actions	Check to use a post-provisioning workflow	Boolean	
Workflow	Choose the post-provisioning workflow	compoundWorkflow	
Virtual Storage Catalog	Provide the virtual storage catalog		
Enable Virtual Storage Catalog	Check to use a virtual storage catalog	Boolean	
Virtual Storage Catalog	Provide the virtual storage catalog	gen_text_input	
Cost Computation	Cost Computation		
Charge Duration	Choose the charge duration	CatalogChargeUnit	
Active VM Application Cost	Enter Active VM Application Cost	gen_text_input	
Inactive VM Application Cost	Enter Inactive VM Application Cost	gen_text_input	
VM Life Cycle Configuration	VM Life Cycle Configuration		
Lease Time	Check to provide the lease time configuration	Boolean	
Days	Enter the lease days	gen_text_input	
Hours	Enter the lease hours	gen_text_input	
Hide end user lease configuration	Check to hide the lease configuration from end users	Boolean	



Input	Description	Mappable To Type	Mandatory
Hide end user VM provision later	Check to hide the VM provision-later option from end users	gen_text_input	
Web Access Configuration	Web Access Configuration		
Enable to allow users to access via Web browser	Check to allow users to access the catalog via web browser	Boolean	
URL	Enter URL	gen_text_input	
Label	Enter the label	gen_text_input	
Remote Desktop Access Configuration	Remote Desktop Access Configuration		
Enable to allow users to access via Remote Desktop	Check to allow users to access the catalog via remote desktop	Boolean	
Server	Enter the server	gen_text_input	
Port	Enter the port	gen_text_input	
Label	Enter the label	gen_text_input	
VMRC Console Configuration	VMRC Console Configuration		
Enable to allow users to access VMRC Console	Check to allow users to access the VMRC console	Boolean	

### Outputs

Output	Description	Type
CATALOG_ID	CATALOG ID	StandardCatalog
CATALOG_NAME	CATALOG NAME	gen_text_input

# Delete Application Category

**Summary**

Delete an Application Category.

**Description**

This task deletes an Application Category in UCSD.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Application Category	Application Category	applicationCategory	Y

**Outputs**

No Outputs

# Delete Catalog

**Summary**

Delete a catalog.

**Description**

This task deletes a catalog of any type.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Catalog Name	Provide the catalog name to delete	gen_text_input	Y

**Outputs**

No Outputs
------------

# Delete CloudSense Report

**Summary**

Delete CloudSense Report

**Description**

This task deletes selected cloudsense report or report builder template's report.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select Report Type	Choose the report type	CloudSenseReportType	Y

**Outputs**

No Outputs

# Delete IP Subnet Pool Policy

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet Pool Policy	Select IP Subnet Pool Policy	IPSubnetPoolPolicy	Y

## Outputs

Output	Description	Type
IP_SUBNET_POOL_POLICY_NAME	Name of the IP Subnet Pool Policy Name on which the selected operation was performed	gen_text_input

# Delete Workflow

## Summary

Delete Orchestration Workflows.

## Description

This task deletes one or more versions of one or more Orchestration Workflows. Inputs are a list of Workflow Version identities and a "Force" option. A Workflow Version identity represents a single version of a given workflow. All versions of all accessible workflows are available for selection in tabular form. Any combination of workflow-version tuples can be selected for deletion. It is important to remember that unique entries in the table are Workflow-Version pairs. To completely delete a given workflow, for example, you must choose all of its versions from the input table. Normally, the Delete Workflow task fails with an error if any of the Workflow Versions to be deleted are:

- Currently running,,
- Set to start on a Schedule,
- Set to start on a Trigger, or
- Part of a Catalog.

Choosing the Force option causes the Delete Workflow task to delete the chosen workflow-versions regardless of whether they are running or part of a Schedule, Trigger, or Catalog. Trying to use the Delete Workflow task to delete its containing workflow causes the task to fail.

## Inputs

Input	Description	Mappable To Type	Mandatory
Workflow	Select Workflows To Delete	workflowVersionIdentity	Y
Force	Delete Workflows irrespective of policies	Boolean	

## Outputs

Output	Description	Type
OUTPUT_WORKFLOW_NAMES	Workflow Names	gen_text_input
OUTPUT_WORKFLOW_IDS	Workflow IDs	gen_text_input

# Delete Workflow Schedule

## Summary

Delete one or more Workflow Schedules.

## Description

This task deletes workflow schedules. Input is a list of one or more workflow schedule identifiers. Output includes the IDs and names of the deleted schedules and their associated workflows, plus a count of the schedules deleted. Deleting a workflow has no effect on schedules associated with that workflow, and deleting a workflow schedule has no effect on associated workflows, including already running workflows.

## Inputs

Input	Description	Mappable To Type	Mandatory
Workflow Schedules	Workflow Schedules	workflowScheduleSelector	Y

## Outputs

Output	Description	Type
OUTPUT_WORKFLOW_SCHEDULE_DETAIL_IDS	Workflow Schedule IDs	gen_text_input
OUTPUT_WORKFLOW_SCHEDULE_NAMES	Workflow Schedule Names	gen_text_input
OUTPUT_WORKFLOW_IDS	Workflow IDs	gen_text_input
OUTPUT_WORKFLOW_NAMES	Workflow Names	gen_text_input
OUTPUT_SCHEDULE_DELETE_COUNT	Deleted Schedule Count	gen_text_input

# Email CloudSense Report

## Summary

Email CloudSense Report

## Description

This task sends notification mail with selected cloudSense report or report builder template's report.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select Report Type	Choose the report type	CloudSenseReportType	Y
To	Enter one or more email addresses, separated by commas	gen_text_input	Y
Subject	Enter the mail subject	gen_text_input	Y
Format Type	Provide the report format type	gen_text_input	Y
Email Recently Generated Report	Check to email the recently generated report	gen_text_input	Y

## Outputs

Output	Description	Type
OUTPUT_REPORT_TYPE	CloudSense report type(CloudSense Report or Custom Report)	gen_text_input
OUTPUT_CLOUDSENSE_REPORT_NAME	CloudSense Report	gen_text_input
OUTPUT_CLOUDSENSE_REPORT_TITLE	CloudSense Report Generated	gen_text_input
OUTPUT_REPORT_BUILDER_TEMPLATE_NAME	Report Builder Template	gen_text_input
OUTPUT_REPORT_BUILDER_REPORT_TITLE	Custom Report Generated	gen_text_input



# Enhanced SSH Command

## Summary

Executes a command in an SSH session.

## Description

This task establishes an SSH session and executes the given command.

## Inputs

Input	Description	Mappable To Type	Mandatory
Account	Select this option to choose the Account added in UCSD		
Use Credential Policy	Select this option to choose the Credential Policy added in UCSD		
Credential Policy	Select Credential Policy	gen_text_input	
Host IP Address	Host IP Address	ipaddress	
Login	Login	gen_text_input	
Password	Password	password	
Command Delay	Delay time between each command execution	gen_text_input	
Disable Command Echo and Command Logging	If checked, commands executed through SSH are not logged in SR log nor echoed back	Boolean	
Check Exit Code	If unchecked all commands entered get executed in a single SSH session, else if checked one command is executed per SSH session.		
Command	SSH command with arguments to execute	gen_text_input	Y
Error Text	Error Text to validate		
Undo Command	SSH undo command with arguments to execute		
Error Text[Undo]	Error Text to validate		

## Outputs

Output	Description	Type
OUTPUT_SSH_COMMAND	External service request ID.	gen_text_input

# Execute Cloupia Script

**Summary**

Execute a script within a workflow.

**Description**

This task executes a script. You provide the script in the course of setting up the task.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Label	Cloupia script label		Y
Script	Cloupia script (JavaScript compatible)		Y
Undo Script	Undo Cloupia script (optional, JavaScript compatible)		

**Outputs**

No Outputs

# Execute Generic API

## Summary

Execute any JSON/XML based API via HTTP/HTTPS protocol within workflow.

## Description

This task can be used to consume any JSON/XML based APIs by defining parameters as inputs/outputs. The user defined parameters become as a task input or mapped input. Outputs can be defined based on the response of JSON path/Xpath of each task. The Rollback API or workflow can be defined for each generic task.

## Inputs

Input	Description	Mappable To Type	Mandatory
No Inputs			

## Outputs

No Outputs
------------

# Execute Native PowerShell Command

## Summary

Execute a PowerShell command on a native shell.

## Description

This task executes a PowerShell script natively on a Windows machine through PowerShell Agent. The Rollback Command/Script field is used to execute rollback commands. The Depth field specifies how many levels of contained objects are included in the output XML. PowerShell script variables must be escaped with a backslash '\'. Escaping is not required for UCSD variables like `${VMName}`. Escape a backslash with another backslash '\\. For example: `\$test=get-hostname & c:\\test\\test.ps1`

## Inputs

Input	Description	Mappable To Type	Mandatory
Label	Enter a label for the task		Y
PowerShell Agent	Select a PowerShell agent	gen_text_input	Y
Hide Input in PSA, inframgr logs	Hide input scripts from the logs	gen_text_input	
Hide Output in PSA, inframgr logs	Hide script output from the logs	gen_text_input	
Commands/Script	Enter commands or a script. Maximum size is 65536 characters.	gen_text_input	Y
Commands/Rollback Script	Enter commands or a script. Maximum size is 65536 characters.	gen_text_input	
Output Format	Choose the output format of the PowerShell script		
Depth	Select a depth		Y
Maximum Wait Time	Select maximum wait time, in minutes, for the command to complete		Y

## Outputs

Output	Description	Type
POWERSHELL_NATIVE_COMMAND_RESULT	PowerShell command result	gen_text_input
POWERSHELL_NATIVE_COMMAND_STATUS	PowerShell command status	gen_text_input

# Execute PowerShell Command

## Summary

Execute a PowerShell command.

## Description

This task executes a PowerShell command on a remote Windows machine through PowerShell Agent. The Rollback Command/Script field is used to execute rollback commands. The Depth field specifies how many levels of contained objects are included in the output XML. PowerShell script variables must be escaped with a backslash '\'. Escaping is not required for UCSD variables like `${VMName}`. Escape a backslash with another backslash '\\'. For example: `\$test=get-hostname & c:\test\test.ps1`

## Inputs

Input	Description	Mappable To Type	Mandatory
Label	Enter a label for the task		Y
PowerShell Agent	Select a PowerShell agent	gen_text_input	Y
Target Machine IP	Enter the IP Address of the target machine	gen_text_input	Y
User ID	Enter the user ID	gen_text_input	Y
Password	Enter the password	password	Y
Domain	Enter a domain	gen_text_input	
Authentication Mechanism	Select an authentication mechanism	powerShellAuthType Identity	
Hide Input in PSA, inframgr logs	Check to hide input scripts from the logs	gen_text_input	
Hide Output in PSA, inframgr logs	Check to hide script output from the logs	gen_text_input	
Commands/Script	Enter commands or a script. Maximum size is 65536 characters.	gen_text_input	Y
Commands/Rollback Script	Enter commands or a script. Maximum size is 65536 characters .	gen_text_input	
Output Format	Choose the output format of the PowerShell script		
Depth	Select a depth		
Select a maximum wait time	Max wait time for the command to complete in minutes		

## Outputs

Output	Description	Type
POWERSHELL_COMMAND_RESULT	PowerShell command result	gen_text_input

Output	Description	Type
POWERSHELL_NATIVE_COMMAND_STATUS	PowerShell command status	gen_text_input

# Fetch Generic Credential Policy

## Summary

Retrieve the generic credential policy type and use as an input for other tasks.

## Description

This task retrieves a generic credential policy. The generic credential policy type can be used in a workflow to fetch the credentials stored in a credential policy and map the individual credential parameters wherever applicable.

## Inputs

Input	Description	Mappable To Type	Mandatory
Generic Credential Policy	Select generic credential policy	GenericCredPolicyType	Y

## Outputs

Output	Description	Type
OUTPUT_GERENIC_CRED_POLICY_USERNAME	User Name	gen_text_input
OUTPUT_GERENIC_CRED_POLICY_PASSWORD	Password	password
OUTPUT_GERENIC_CRED_POLICY_PROTOCOL	Protocol	gen_text_input
OUTPUT_GERENIC_CRED_POLICY_PORT	Port	gen_text_input

# Generate IP Subnet Pool From IP Subnet

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPool PolicyIdentity	
Number of Subnets Required	Number of Subnets Required		Y
Gateway Address	Gateway Address Index		

## Outputs

Output	Description	Type
OUTPUT_IP_SUBNET_POOL_ POLICY_IDENTITY	IP Subnet Pool Policy Identity	IPSubnetPoolPolicy
OUTPUT_NETWORK_IP	Network IP	ipaddress
OUTPUT_NETWORK_MASK	Network Mask	ipaddress
OUTPUT_SUBNET_ID	Subnet ID	IpSubnetInIPSubnetPoolPolicy Identity
OUTPUT_SUBNETS	Subnet ID(s)	gen_text_input



# Generate VLAN from pool

**Summary**

Generate a VLAN from a pool.

**Description**

This task generates a VLAN ID from the selected VLAN pool.

**Inputs**

Input	Description	Mappable To Type	Mandatory
VLAN Pool Policy	Select VLAN pool policy.	gen_text_input	Y

**Outputs**

Output	Description	Type
OUTPUT_VLAN_ID	VLAN ID	vlanID
OUTPUT_DATACENTER_NAME	Datacenter Name	datacenterName

# Generate VXLAN from pool

## Summary

Generate a VXLAN from a Pool.

## Description

This task generates a VXLAN (Bridge-domain) from a VXLAN Pool Policy. Tracking can be done from the Global VXLAN Pool Usage.

## Inputs

Input	Description	Mappable To Type	Mandatory
VXLAN Pool Policy	Select VXLAN pool policy.	gen_text_input	Y

## Outputs

Output	Description	Type
OUTPUT_VXLAN_ID	VXLAN ID	vxlanID
OUTPUT_DATACENTER_NAME	Datacenter Name	datacenterName

# Get IP Address From IP Subnet

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
User Group ID	User Group	userGroup	
Container ID	Container ID	ServiceContainer	
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPoolPolicy Identity	
IP Subnet Label	IP Subnet Label	gen_text_input	

## Outputs

Output	Description	Type
IPAddress	IPAddress	ipaddress
SubnetMask	SubnetMask	ipaddress
GateWayIP	GateWayIP	ipaddress
IP Address with Slash Subnet	IP Address with Slash Subnet	gen_text_input
SubnetMask Bitwise Value	SubnetMask Bitwise Value	gen_text_input
OUTPUT_USED_BY	Used By	gen_text_input
OUTPUT_SUBNET_MASK	Subnet Mask	subnetMask

# Get IP Address From Pool

## Summary

Return the resolved IP address from a selected IP Pool Policy.

## Description

This task retrieves a Resolved IP address, along with subnet mask and gateway IP Address, from the selected IP Pool Policy Range.

## Inputs

Input	Description	Mappable To Type	Mandatory
User Group ID	User Group	userGroup	
Container ID	Container ID	ServiceContainer	
Select IP Pool	Select the IPPool to resolve IP Address	IPPoolPolicy	Y

## Outputs

Output	Description	Type
IPAddress	IPAddress	gen_text_input
SubnetMask	SubnetMask	gen_text_input
GateWayIP	GateWayIP	gen_text_input

# Get IP Subnet From IP Subnet Pool Policy

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet Pool Policy	Select IP Subnet Pool Policy	IPSubnetPoolPolicy	Y
User Group ID	User Group	userGroup	
Container ID	Container ID	ServiceContainer	
IP Subnet Label	IP Subnet Label	gen_text_input	

## Outputs

Output	Description	Type
OUTPUT_BROADCAST_IP	Broadcast IP	ipaddress
OUTPUT_GATEWAY_IP	Gateway IP	ipaddress
OUTPUT_NETWORK_IP	Network IP	ipaddress
OUTPUT_NETWORK_MASK	Network Mask	ipaddress
OUTPUT_SUBNET_POOL_ID	Subnet Pool ID	gen_text_input
OUTPUT_SUBNET_ID	Subnet ID	IpSubnetInIPSubnetPoolPolicyIdentity
OUTPUT_SUBNET_LABEL	Subnet Label	gen_text_input
OUTPUT_GROUP_ID	Group ID	userGroup
OUTPUT_IP_SUBNET_POOL_POLICY_IDENTITY	IP Subnet Pool Policy Identity	IPSubnetPoolPolicy
OUTPUT_CONTAINER_ID	Container ID	ServiceContainer
OUTPUT_USED_BY	Used By	gen_text_input

# Get IP Subnet From Parent IP Subnet

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPoolPolicy Identity	Y

## Outputs

Output	Description	Type
OUTPUT_BROADCAST_IP	Broadcast IP	ipaddress
OUTPUT_GATEWAY_IP	Gateway IP	ipaddress
OUTPUT_NETWORK_IP	Network IP	ipaddress
OUTPUT_NETWORK_MASK	Network Mask	ipaddress
OUTPUT_SUBNET_POOL_ID	Subnet Pool ID	gen_text_input
OUTPUT_SUBNET_ID	Subnet ID	IpSubnetInIPSubnetPool PolicyIdentity

# Get Tabular Report Column Value

## Summary

Retrieves a value from the selected search column of a report in UCSD.

## Description

This task retrieves a column value as output given a column index and a value in the report. Inputs to this task can be found in report metadata if the developer menu is enabled in UCSD.

## Inputs

Input	Description	Mappable To Type	Mandatory
Report Context Type	Enter report context type.Only numeric values are allowed	gen_text_input	Y
Report Context ID	Enter report context id	gen_text_input	Y
Report ID	Enter api report id	gen_text_input	Y
Search Column	Enter the column index to be searched. Index starts from 1 considering hidden columns	gen_text_input	Y
Search Value	Enter the column value to be searched	gen_text_input	Y
Output Column	Enter the column index to be fetched. Index starts from 1 considering hidden columns	gen_text_input	Y

## Outputs

Output	Description	Type
OUTPUT_RETURN_STATUS_VALUE	Return Status Value.	gen_text_input
OUTPUT_COLUMN_VALUE	Selected Column Value.	gen_text_input

# Guest Password Reset

**Summary**

Reset a guest password.

**Description**

This task resets a guest password.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

No Outputs
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# Modify Standard Catalog

## Summary

Modify a standard catalog.

## Description

This task modifies a standard catalog.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select a catalog to modify	Choose a standard catalog to modify	StandardCatalog	Y
Catalog Description	Enter the catalog description	gen_text_input	
Catalog Type	Choose the catalog type	CatalogType	Y
Catalog Icon	Choose the catalog icon	StandardCatalog Icon	Y
Applied to all groups	Check to apply the catalog to all groups	Boolean	Y
User Group ID	Choose one or more user groups	userGroup	Y
Support Contact Email Address	Enter the support contact email address	gen_text_input	
Publish to end users	Check to publish the catalog to end users	Boolean	Y
Cloud Name	Choose the cloud name	CloudName	Y
Provision new VM for ISO mounting	Check to provision a new VM for ISO mounting	Boolean	
Provision new VM using Content Library VM Template	Check to provision a new VM using content library VM template	Boolean	Y
Provision all disks in single datastore	Check to provision all disks in a single datastore	Boolean	Y
Select Folder	Provide the catalog folder	gen_text_input	
Service Request Support Email	Service Request Support Email		
Configure Service Request Support Email	Check to configure the SR support email	Boolean	
Category	Choose the application category	ucsdApplication Category	Y
End user can override category	Check to provide an option for endusers to override the application category	Boolean	Y
Specify OS	Provide the OS	gen_text_input	
Specify Other OS	Enter the other OS	gen_text_input	

Input	Description	Mappable To Type	Mandatory
Specify Applications	Provide one or more applications	gen_text_input	
Specify Other Applications	Enter the other applications	gen_text_input	
Application Code	Enter the application code	gen_text_input	
Credential Options	Provide the credential options	gen_text_input	
Automatic Guest Customization	Automatic Guest Customization		
Enable Automatic Guest Customization	Check to perform automatic guest customization	Boolean	
Pre Provisioning Custom Actions	Pre Provisioning Custom Actions		
Enable Pre Provisioning Custom Actions	Check to use a pre-provisioning workflow	Boolean	
Workflow	Choose the a post-provisioning workflow	compound Workflow	
Post Provisioning Custom Actions	Post Provisioning Custom Actions		
Enable Post Provisioning Custom Actions	Check to use a post-provisioning workflow	Boolean	
Workflow	Choose the a post-provisioning workflow	compound Workflow	
Virtual Storage Catalog	Provide the virtual storage catalog		
Enable Virtual Storage Catalog	Check to use a virtual storage catalog	Boolean	
Virtual Storage Catalog	Provide the virtual storage catalog	gen_text_input	
Cost Computation	Cost Computation		
Charge Duration	Choose the charge duration	CatalogChargeUnit	
Active VM Application Cost	Enter Active VM Application Cost	gen_text_input	
Inactive VM Application Cost	Enter Inactive VM Application Cost	gen_text_input	
VM Life Cycle Configuration	VM Life Cycle Configuration		
Lease Time	Check to provide the lease time configuration	Boolean	
Days	Enter the lease days	gen_text_input	
Hours	Enter the lease hours	gen_text_input	
Hide end user lease configuration	Check to hide the lease configuration from end users	Boolean	
Hide end user VM provision later	Check to hide the VM provision-later option from end users	gen_text_input	

Input	Description	Mappable To Type	Mandatory
Web Access Configuration	Web Access Configuration		
Enable to allow users to access via Web browser	Check to allow users to access the catalog via web browser	Boolean	
URL	Enter URL	gen_text_input	
Label	Enter the label	gen_text_input	
Remote Desktop Access Configuration	Remote Desktop Access Configuration		
Enable to allow users to access via Remote Desktop	Check to allow users to access the catalog via remote desktop	Boolean	
Server	Enter the server	gen_text_input	
Port	Enter the port	gen_text_input	
Label	Enter the label	gen_text_input	
VMRC Console Configuration	VMRC Console Configuration		
Enable to allow users to access VMRC Console	Check to allow users to access the VMRC console	Boolean	

### Outputs

Output	Description	Type
CATALOG_ID	CATALOG ID	StandardCatalog
CATALOG_NAME	CATALOG NAME	gen_text_input

# Modify Workflow Priority

## Summary

Modify the workflow priority.

## Description

This task modifies the workflow execution priority. High, medium, or low priorities can be assigned to a workflow.

## Inputs

Input	Description	Mappable To Type	Mandatory
Priority	Modify Workflow Priority		Y

## Outputs

No Outputs

# Multi User Approval

## Summary

Request approval from one or more users or groups.

## Description

This task requests approval from one or more users or groups. An approving user can be anyone who has an account on the UCS Director system. The task waits indefinitely until a user, or a user belongs to an approval group, approves or rejects the request. Inputs to the task include a flag that requires all users to approve the request. By default, only one of the users must approve the request in order to continue. If Approval required from all the users flag is set and groups are selected as approvers, then all users in all the groups must approve in order to continue. UCS Director sends an email requesting the approval of users or of users belongs to the approval group. The email includes request information, including the complete workflow.

## Inputs

Input	Description	Mappable To Type	Mandatory
When Disable Rollback is enabled, the approval task will not be run during service request rollback	When Disable Rollback is enabled, the approval task will not be run during request rollback		
Approval required from Groups	Check this option if approval is required from groups		
User Group ID	Choose one or more groups of users who must approve the request	userGroup	Y
User ID	Choose one or more users who must approve the request	cuic_multi_user_ID	Y
Approval required from all the users	Check this option if approval is required from all the users. Otherwise, any one user approval is enough.	Approval RequiredFromAll Users	
Number of Approval Request Reminders	Enter the number of reminder emails to be sent. Default is 0, which sends the reminder mail at the specified frequency until the request is approved or rejected.	resendMailCount	Y
Reminder Intervals (Hours)	Enter the time interval (in hours) to wait before sending the next approval request reminder email. Default is 24 hours.	reminderInterval	Y

## Outputs

No Outputs

# NetApp Cluster Resource Selector

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
Volume Size	Enter the size of Volume.	gen_text_input	Y
Volume Size Units	Select the Volume Size Units.	storageSizeUnit	
Server Name	Select Server	gen_text_input	Y

## Outputs

Output	Description	Type
OUTPUT_NETAPP_CLUSTER_VSERVER_IDENTITY	NetApp Cluster SVM Identity	netappClusterVServerIdentity
OUTPUT_NETAPP_CLUSTER_AGGREGATE_IDENTITY	NetApp Cluster Aggregate Identity	aggregateClusterIdentity
OUTPUT_NETAPP_CLUSTER_VOLUME_SIZE	NetApp Cluster Volume Size	netAppVolSize
OUTPUT_NETAPP_CLUSTER_LUN_SIZE	NetApp Cluster LUN Size	gen_text_input
OUTPUT_VOLUME_SIZE_UNITS	NetApp Volume Size Units	sizeUnit
OUTPUT_HOST_VHBA1_ADAPTER_NAME	Host VHBA2 Adaptor Name(WWPN)	gen_text_input
OUTPUT_HOST_VHBA2_ADAPTER_NAME	Host VHBA2 Adaptor Name(WWPN)	gen_text_input

# Notify URL

**Summary**

Notifies the specified URL.

**Description**

This task executes a GET or POST request on the specified URL. For example, this task can be used to post results of previous tasks to an URL or a Web service.

**Inputs**

Input	Description	Mappable To Type	Mandatory
URL	URL	gen_text_input	Y
Method	Method	gen_text_input	Y
Authentication Method	Authentication Method	gen_text_input	

**Outputs**

No Outputs

# Parse PowerShell Output

## Summary

Parses the output of Execute Powershell Command or Execute Native Powershell Command task

## Description

The task is used to parse the output from Execute Powershell Command task or Execute Native Powershell Command task. The input to this task should be in JSON or XML format. For JSON data, it should be either a simple JSON data or a JSON array but it does not consider complex JSON data like array within an array. The output from this task will be key value pairs.

## Inputs

Input	Description	Mappable To Type	Mandatory
Powershell Output	Powershell Output	gen_text_input	Y

## Outputs

No Outputs



# Release Reserved IP Subnet

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPoolPolicy Identity	Y

## Outputs

No Outputs

# Remove Capacity Reservation

**Summary**

Remove Capacity Reservation from User Group.

**Description**

This task allows user to remove reservation of an entity(ex: UCS-Server)from a particular User Group.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Reservation ID	Reservation ID	CapacityReservation	Y

**Outputs**

No Outputs

# Remove IP Address Reservation

## Summary

Remove an IPAddress Reservation.

## Description

This task removes an IP address reservation.

## Inputs

Input	Description	Mappable To Type	Mandatory
Reserved IPAddress	Select the reserved IP Address	gen_text_input	Y

## Outputs

Output	Description	Type
IPAddress	IPAddress	ipaddress

# Remove IP Subnet Pool From IP Subnet

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPoolPolicy Identity	

## Outputs

No Outputs

# Reserve Capacity

**Summary**

Reserve a entity (ex: UCS-Server) for a particular time to User Group.

**Description**

This task allows user to reserve a entity for (ex: UCS-Server) a particular time to User Group.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Resource Type	Resource Type	gen_text_input	Y
Resource Identity	Resource Identity	gen_text_input	Y
Amount Allocated	Amount Allocated	gen_text_input	
Allocated Data	Allocated Data	gen_text_input	
Allocated to Group	Allocated to Group	gen_text_input	
Valid Until	Valid Until	date_time	
Comments	Comments	gen_text_input	Y

**Outputs**

No Outputs

# Rollback Child Service Request

**Summary**

Roll back a workflow.

**Description**

This task rolls back a workflow. Input is the ID of the service to roll back.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Service Request ID	Select SR to rollback	gen_text_input	Y

**Outputs**

No Outputs

# Rollback Execute Generic API

## Summary

This is an internal task which cannot be used independently".

## Description

This is an internal task which cannot be used independently".

## Inputs

Input	Description	Mappable To Type	Mandatory
IP Address	Select API IP	gen_text_input	
Port	Select API Port	gen_text_input	
API Path	Select API Path	gen_text_input	
Protocol	Protocol	gen_text_input	Y
HTTP Request Type	HTTP Request Type	gen_text_input	Y
HTTP Content Type	HTTP Content Type	gen_text_input	Y
Use Proxy	Select this option to use system proxy configuration		
Header Parameters	Add one or more Filter Criteria to filter out matching resources		
Use HTTP Basic Authentication	Select this option to pass HTTP basic authentication parameters during API call		
Username	Username	gen_text_input	Y
Password	Password	gen_text_input	Y
Request Template Content	Body Template Content	gen_text_input	

## Outputs

No Outputs
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# SSH Command

## Summary Description Inputs

Input	Description	Mappable To Type	Mandatory
Host IP Address	Host IP Address	ipaddress	Y
Login	Login	gen_text_input	Y
Password	Password	password	Y
Command	SSH command with arguments to execute	gen_text_input	Y
Error Text	Error Text to validate		
Undo Command	SSH undo command with arguments to execute		
Error Text[Undo]	Error Text to validate		

## Outputs

Output	Description	Type
OUTPUT_SSH_COMMAND	External service request ID.	gen_text_input



# Send Email

## Summary

Send a notification email.

## Description

This task sends email to a specified user after the task or workflow is completed. Email address, subject, and body of the mail are given as inputs. The output of this task is an email address.

## Inputs

Input	Description	Mappable To Type	Mandatory
E-mail Addresses	Enter one or more email addresses, separated by commas	email_address_list	Y
Cc E-mail Addresses	Enter one or more Cc email addresses, separated by commas	email_address_list	
Bcc E-mail Addresses	Enter one or more Bcc email addresses, separated by commas	email_address_list	
Subject	Enter the subject. You can use template variables such as \$VM ID and \$VM NAME.		Y
Body	Enter the email body content. You can use template variables such as \$VM ID and \$VM NAME.		

## Outputs

Output	Description	Type
EMAIL_ADDRESSES	Email Address of the user on which the selected operation was performed	email_address_list
Bcc_EMAIL_ADDRESSES	Bcc Email Address of the user on which the selected operation was performed	email_address_list
Cc_EMAIL_ADDRESSES	Cc Email Address of the user on which the selected operation was performed	email_address_list

# Send Email Through Template

## Summary

Send Email Through Template

## Description

This task allows user to send an email from a template. (Note: We recommend using the user-defined custom email template to generate an email using this task.)

## Inputs

Input	Description	Mappable To Type	Mandatory
E-mail Addresses	Enter one or more email addresses, separated by commas	email_address_list	Y
Cc E-mail Addresses	Enter one or more Cc email addresses, separated by commas	email_address_list	
Bcc E-mail Addresses	Enter one or more Bcc email addresses, separated by commas	email_address_list	
Subject	Enter the subject. You can use template variables such as \$VM ID and \$VM NAME.		Y
Select Email Template	Choose a email template		
Body	Enter the email body content. You can use template variables such as \$VM ID and \$VM NAME.		
Reset To Default	Check to reset the email subject and body to the default script		

## Outputs

Output	Description	Type
EMAIL_ADDRESSES	Email Address of the user on which the selected operation was performed	email_address_list
Bcc_EMAIL_ADDRESSES	Bcc Email Address of the user on which the selected operation was performed	email_address_list
Cc_EMAIL_ADDRESSES	Cc Email Address of the user on which the selected operation was performed	email_address_list

# Set the starting time for the next task

**Summary**

Set the start time for the next task.

**Description**

This task sets the time at which to start execution of the next task in the workflow.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Next task execution time	Set the starting time for the next task	date_time	Y

**Outputs**

No Outputs
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# Update Application Category

## Summary

Modify an Application Category.

## Description

This task modifies an Application Category in UCSD.

## Inputs

Input	Description	Mappable To Type	Mandatory
Application Category	Application Category	applicationCategory	Y
Category Label	Category Label	gen_text_input	Y
Category Code	Category Label	gen_text_input	
Category Description	Category Description	gen_text_input	
Category Enabled	Category Enabled	gen_text_input	
Default Smart Allocation Algorithm	Default Smart Allocation Algorithm	smartAllocationAlgorithm List	Y

## Outputs

Output	Description	Type
CATEGORY_ID	Category ID	gen_text_input
CATEGORY_NAME	Category Name	gen_text_input

# VMware VM Provision Inputs

## Summary

Identify VMWare VM Provision Inputs.

## Description

This task identifies inputs for provisioning a VM. The task provides the option to override the datastores selected for each disk. This task also provide option to configure optional NIC Port group, valid format is comma seperated values of[nic alias@Cloud Account@virtual switch name@(Virtual Machine Portgroup or Distributed Virtual Portgroup)@portgroup name.

Example:NIC2@VMware134@TestDVSwitch@Distributed Virtual

Portgroup@cdevTestA,NIC3@VMware134@vSwitch0@Virtual Machine Portgroup@axcz-pg-lan0

## Inputs

Input	Description	Mappable To Type	Mandatory
Assign To User	Choosing this option will allow VM assignment to user	assignToUser	
User	VM will be assigned to this user	cuic_user_ID	
Catalog/ VM Selection	Catalog/ VM Selection		
VM Deployment Options	Select Deployment options to perform the action	vmCloneType	Y
Select Catalog	Select Catalog on which to perform the action	catalog	
Select VM	Select the VM to retrieve the properties	vm	
Image	Select the image.	image	
Use Linked Clone	Clone VM using linked clone feature	gen_text_input	
Customization Options	Customization Options		
Select Category	Select a vDC Category	vdcCategory	
Select Windows License Pool	Select Windows License Pool	windowsLicensePool	
Select Credential Options	Select Credential Options	credentialOptions	
Provision all disks in single datastore	Provision all disks in single datastore, the scope will be same as system disk scope	provisionAllDiskInSameDatastore	
Enable Guest Customization	Enable Guest Customization	EnableGuestCustomization	
Select Pre-Provision Workflow	Select Pre-Provision Workflow	customActionWorkflow	
Select Workflow	Select Custom Workflow	customActionWorkflow	

Input	Description	Mappable To Type	Mandatory
Select VM App Charge Frequency	Select VM App Charge Frequency	vmApplicationChargeFrequency	
Active VM Application Cost	Enter Active VM Application Cost	gen_text_input	
Inactive VM Application Cost	Enter In Active VM Application Cost	gen_text_input	
Deployment Options	Deployment Options		
Select vDC	Select vDC on which to perform the action	vDC	Y
VM Name or VM Prefix	Enter VM Name or VM Prefix	gen_text_input	
Comment	Enter Comment	gen_text_input	
Provision	Enter Comment	provisionPeriod	
Provision Time	Provision Time	date_time	
Lease Time	Enter Comment	VMwarePowerOffVM	
Days	Enter Days	gen_text_input	
Hours	Enter Hours	gen_text_input	
Custom Specification	Custom Specification		
CPU Cores	CPU Cores	vCPUCount	
Cores Per Socket	Cores Per Socket	coresPerSocket	
Memory	Memory	memSizeMB	
Storage Tier	Storage Tier	storageTierPolicy	
VM Charge Frequency	Select the frequency of charging the VM	vmChargeFrequency	
Disk Datastores	Disk Datastores		
Override Datastore and Size		storagePolicyDiskDatastoreOverride	
VM Disks	Enter Disk Datastores in JSON Format	gen_text_input	
Optional NIC Portgroups	Disk Datastores		
VM Networks	option to configure Optional NIC Port Groups. Format is a comma separated values of[nic alias@Cloud Account@virtual switch name@(Virtual Machine Portgroup or Distributed Virtual Portgroup)@portgroup name].	gen_text_input	

Input	Description	Mappable To Type	Mandatory
VM NIC Configuration	Configure VM Nics	vmwareVmnic Configuration Formmanagedlist	
Override NIC IP		networkPolicy NICIPOverride	

### Outputs

Output	Description	Type
OUTPUT_VDC_PRIMARY_APPROVERS	vDC Primary Approvers	cuic_user_ID
OUTPUT_VDC_SECONDARY_APPROVERS	vDC Secondary Approvers	cuic_user_ID
APPROVAL_REQUIRED_FROM_ALL_USERS	Approval required from all users	ApprovalRequiredFromAllUsers
OUTPUT_VDC_REMINDER_INTERVAL	Reminder Intervals (Hours)	reminderInterval
OUTPUT_VDC_RESEND_MAIL_COUNT	Number of Approval Request Reminders	resendMailCount

# Wait For Service Requests

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
Service Request IDs	Comma separated Service Request IDs	serviceRequestId List	Y
Max Wait Time	How long to wait for completion of SRs		Y
All SRs Must Succeed	Consider this task successful only if all SRs are successful		

## Outputs

Output	Description	Type
COMPLETED_SR_ID_LIST	Service Request IDs that were completed	serviceRequestIdList
FAILED_SR_ID_LIST	Service Request IDs that were failed	serviceRequestIdList
TIMEDOUT_SR_ID_LIST	Service Request IDs that were timed out	serviceRequestIdList



# Wait for Specified Duration

**Summary**

Wait for a fixed duration.

**Description**

This task waits for a number of seconds specified in its input.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Duration	How long to wait before executing next task in the workflow	gen_text_input	Y

**Outputs**

No Outputs

# Wait for User Approval

## Summary

Request approval from a user or group.

## Description

This task requests approval from either a user who has an account on the UCS Director system, or from any UCS Director group. The service request waits indefinitely until the user, or a user belonging to the approval group, approves or rejects the request. UCS Director sends an email requesting the approval of the user or user belonging to the approval group. The email contains information about the request, including the complete workflow. If Approval required from all the users flag is set and groups are selected as approvers, then all users in all the groups must approve in order to continue. The request email is based on an approval email template specified in the input. If no template is specified, a default approval email template is used. The email template body and subject can be further customized when the task is added to the workflow. Separate approvals can be required for approval of service request rollbacks using a separate, parallel set of system templates and task-level customizations.

## Inputs

Input	Description	Mappable To Type	Mandatory
When Disable Rollback is enabled, the approval task will not be run during service request rollback	When Disable Rollback is enabled, the approval task will not be run during service request rollback		
Approval required from Groups	Check this option if approval is required from groups		
User Group ID	Choose one or more groups of users who must approve the request	userGroup	Y
User ID	Choose one or more users who must approve the request	cuic_user_ID	Y
Approval required from all the users	Check this option if approval is required from all the users. Otherwise, any one user approval is enough.	Approval Required FromAll Users	
Number of Approval Request Reminders	Enter the number of reminder emails to be sent. Default is 0, which sends the reminder mail at the specified frequency until the request is approved or rejected.	resendMail Count	Y
Reminder Intervals (Hours)	Enter the time interval (in hours) to wait before sending the next approval request reminder email. Default is 24 hours.	reminder Interval	Y
Use Approval email template	Check to use any approval email template other than the default template		
Select Email Template	Choose the email template		

Input	Description	Mappable To Type	Mandatory
Subject	Enter the subject. You can use template variables such as \$VM ID and \$VM NAME.		Y
Body	Enter the email body content. You can use template variables such as \$VM ID and \$VM NAME.		
Reset To Default	Check to reset the email subject and body to the default script		
Use Approval email template during Rollback	Check to use an approval email template other than the default template for rollback		
Select Email Template	Choose the email template		
Subject	Enter the subject. You can use template variables such as \$VM ID and \$VM NAME.		Y
Body	Enter the email body content. You can use template variables such as \$VM ID and \$VM NAME.		
Reset To Default	Check to reset the email subject and body to the default script		

### Outputs

No Outputs
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