

Cisco IAC 4.0 Processes and Services List

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Contents

Introduction

Cisco Process Orchestrator Processes

Processes

Process Extension Points

Cisco Prime Service Catalog Services

Services

Service Extension Points

Related Information

Introduction

This document provides a listing of all of the Cisco Process Orchestrator processes and Cisco Prime Service Catalog services delivered in Cisco Intelligent Automation for Cloud 4.0. Changes to this list from the previous version Cisco Intelligent Automation for Cloud 3.1.1 are identified:

- New processes and services are denoted by **New in IAC 4.0**.
- Processes and services that existed in IAC 3.1.1 but have been removed from the product are denoted by *Removed from IAC 4.0*.

Cisco Process Orchestrator Processes

Processes

- Add BGP Neighbor on CSR **New in IAC 4.0**
- Add Loopback Interface to Edge Router **New in IAC 4.0**
- Add Member to vZone **New in IAC 4.0**
- Add NAT Policy to Policy Set **New in IAC 4.0**
- Add Network
- Add Network Handler
- Add Organization **New in IAC 4.0**
- Add Physical Interface to Edge Router **New in IAC 4.0**
- Add Policy to Policy Set **New in IAC 4.0**
- Add Process to Runtime Queue
- Add Rule to ACL Policy **New in IAC 4.0**
- Add Service Request Note
- Add VLAN to Trunk (NXOS/IOS) **New in IAC 4.0**
- Add Virtual Server Storage **New in IAC 4.0**
- Add ZBF Policy to Policy Set **New in IAC 4.0**
- Add or Remove Port to Expanded Firewall ACL for ZBF **New in IAC 4.0**
- Add or Remove Server to Expanded Firewall ACL for ZBF **New in IAC 4.0**
- All Organization Operation Tests **New in IAC 4.0**
- Allocate Elastic IP (EC2) **New in IAC 4.0**
- Allocate OpenStack Floating IP **New in IAC 4.0**
- Apply VM Host Profile
- Assign ASA **New in IAC 4.0**
- Assign CSR **New in IAC 4.0**

- Assign UCS Service Profile
- Assign UCS Service Profile from Template
- Assign Unused or Add Physical Interface to CSR **New in IAC 4.0**
- Assign VLAN to vNIC Template **New in IAC 4.0**
- Assign VSG **New in IAC 4.0**
- Associate Compute FW to VSG **New in IAC 4.0**
- Associate Elastic IP Address (EC2) **New in IAC 4.0**
- Associate OpenStack Floating IP **New in IAC 4.0**
- Associate VM Host Profile
- Associate VPC Elastic IP Address (EC2) **New in IAC 4.0**
- Bind Load Balancer **New in IAC 4.0**
- Bind Load Balancer Handler **New in IAC 4.0**
- Calculate Showback Rate Handler **New in IAC 4.0**
- Calculate Showback Rate **New in IAC 4.0**
- Cancel Service Request
- Cancel Service Requisition
- Change OpenStack Instance State **New in IAC 4.0**
- Change UCSD VM State **New in IAC 4.0**
- Change instance type (EC2) **New in IAC 4.0**
- Check NSAPI Home OU
- Check NSAPI Home OU – Manage License **New in IAC 4.0**
- Check Nodes in NSC **New in IAC 4.0**
- Check Service Nodes in NSC **New in IAC 4.0**
- Check and create ssh keypair (EC2) **New in IAC 4.0**
- Check existence ssh keypair with given name (EC2) **New in IAC 4.0**
- Cloud Portal Service Request Handler
- Cloud Portal Update Service Request
- Cloud Portal Update Service Request History *Not in IAC 4.0*
- Cloud Service Error Remediation
- CloudSync DataCenters in POD **New in IAC 4.0**
- CloudSync Discover Infrastructure
- CloudSync Discover Infrastructure (Scheduled)
- CloudSync Discover Infrastructure → Amazon EC2 **New in IAC 4.0**
- CloudSync Discover Infrastructure → Appliance **New in IAC 4.0**
- CloudSync Discover Infrastructure → Cisco SP **New in IAC 4.0**
- CloudSync Discover Infrastructure → Cisco SP Templates
- CloudSync Discover Infrastructure → Cisco UCS Blades
- CloudSync Discover Infrastructure → Cisco UCS Rack Servers **New in IAC 4.0**
- CloudSync Discover Infrastructure → Cisco UCS Service Profile Templates
- CloudSync Discover Infrastructure → Cisco UCS VLANs
- CloudSync Discover Infrastructure → Cisco UCS vNIC Templates **New in IAC 4.0**
- CloudSync Discover Infrastructure → Nexus 1000V Components **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Flavors **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Floating IP Pools **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Images **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Keypairs **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Networks **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Projects **New in IAC 4.0**
- CloudSync Discover Infrastructure → OpenStack Security Groups **New in IAC 4.0**
- CloudSync Discover Infrastructure → UCS Director Cloud **New in IAC 4.0**
- CloudSync Discover Infrastructure → UCS Director NetApp **New in IAC 4.0**
- CloudSync Discover Infrastructure → UCS Director Network Elements **New in IAC 4.0**
- CloudSync Discover Infrastructure → UCS Director **New in IAC 4.0**

- CloudSync Discover Infrastructure -> UCS Director Physical Accounts ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> UCS Director VMWare Portgroups ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> UCS Director Virtual Accounts ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> UCS Manager ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> vCenter Clusters
- CloudSync Discover Infrastructure -> vCenter Datacenters
- CloudSync Discover Infrastructure -> vCenter Datastores
- CloudSync Discover Infrastructure -> vCenter Hosts
- CloudSync Discover Infrastructure -> vCenter ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> vCenter Portgroups
- CloudSync Discover Infrastructure -> vCenter ResourcePools
- CloudSync Discover Infrastructure -> vCenter VM Templates
- CloudSync Discover Infrastructure -> vCenter VMs Handler ^{New in IAC 4.0}
- CloudSync Discover Infrastructure -> vCenter VMs ^{New in IAC 4.0}
- CloudSync Discover Infrastructure Handler
- CloudSync vCenter VM PowerState (Scheduled) ^{New in IAC 4.0}
- CloudSync vCenter VM PowerState ^{New in IAC 4.0}
- Cloudsync Discovery – Image Files ^{New in IAC 4.0}
- Collect Metrics
- Collect Metrics (Scheduled)
- Commission ESXi Host
- Commission ESXi Host Handler
- Commission Physical Server
- Commission Physical Server Handler
- Commission Virtual Server and Install OS
- Commission Virtual Server and Install OS Handler
- Commission Virtual Server from Template
- Commission Virtual Server from Template Handler
- Complete Service Request
- Configure BGP on CSR ^{New in IAC 4.0}
- Configure CSR Policies for External Connections ^{New in IAC 4.0}
- Configure LB IPset ^{New in IAC 4.0}
- Configure LB Interfaces ^{New in IAC 4.0}
- Configure Load Balancer FW Rule ^{New in IAC 4.0}
- Configure SNIP ^{New in IAC 4.0}
- Configure vService on Port Profile ^{New in IAC 4.0}
- Connect CSR to Enterprise ^{New in IAC 4.0}
- Connect CSR to Internet ^{New in IAC 4.0}
- Connect VSM to PNSC ^{New in IAC 4.0}
- Connect to OpenStack ^{New in IAC 4.0}
- Convert Comma Separated Items to Table ^{New in IAC 4.0}
- Convert To Base 64 String ^{New in IAC 4.0}
- Convert UCS/PNSC XML into Table XML ^{New in IAC 4.0}
- Convert Virtual Server To Template
- Convert Virtual Server to Template Handler
- Create ACL Policy Set ^{New in IAC 4.0}
- Create Application ^{New in IAC 4.0}
- Create BGP Neighbor ^{New in IAC 4.0}
- Create BGP Private AS Pool ^{New in IAC 4.0}
- Create BGP Route ^{New in IAC 4.0}
- Create CSR Interface for VPX ^{New in IAC 4.0}
- Create CSR Route for VPX ^{New in IAC 4.0}
- Create Class Map ^{New in IAC 4.0}
- Create Compute Firewall ^{New in IAC 4.0}

- Create Compute Security Profile *New in IAC 4.0*
- Create Data Center *New in IAC 4.0*
- Create Datastore Handler *New in IAC 4.0*
- Create Datastore *New in IAC 4.0*
- Create Default Service Groups *New in IAC 4.0*
- Create Edge Firewall *New in IAC 4.0*
- Create Edge Router *New in IAC 4.0*
- Create Expanded Firewall ACL for ZBF *New in IAC 4.0*
- Create Firewall Policy *New in IAC 4.0*
- Create Firewall Rule from Portal *New in IAC 4.0*
- Create Firewall Zone Dictionary *New in IAC 4.0*
- Create Firewall Zone *New in IAC 4.0*
- Create FloatingIP Service Item *New in IAC 4.0*
- Create Folder *New in IAC 4.0*
- Create GUID Hash from String *Not in IAC 4.0*
- Create GUID *New in IAC 4.0*
- Create IPAddress SI's for VLANInstance *New in IAC 4.0*
- Create Image (EC2) *New in IAC 4.0*
- Create LB Server *New in IAC 4.0*
- Create Lease Requisition
- Create Load Balancer Handler *New in IAC 4.0*
- Create Load Balancer Network *New in IAC 4.0*
- Create Load Balancer *New in IAC 4.0*
- Create Logical Edge Router *New in IAC 4.0*
- Create NAT IP Pool on CSR *New in IAC 4.0*
- Create NAT Policy *New in IAC 4.0*
- Create NAT Policy Rule *New in IAC 4.0*
- Create NAT Policy Set *New in IAC 4.0*
- Create Name Tag for instance (EC2) *New in IAC 4.0*
- Create Network POD Device Mapping Handler *New in IAC 4.0*
- Create Network POD Device Mapping *New in IAC 4.0*
- Create Network on CSR *New in IAC 4.0*
- Create OSPF Route *New in IAC 4.0*
- Create Object in PNSC *New in IAC 4.0*
- Create OpenStack Instance Network Request *New in IAC 4.0*
- Create OpenStack Instance *New in IAC 4.0*
- Create OpenStack Instance Snapshot *New in IAC 4.0*
- Create OpenStack Keypair *New in IAC 4.0*
- Create OpenStack Project *New in IAC 4.0*
- Create OpenStack VDC *New in IAC 4.0*
- Create OpenStack VM User Password Command *New in IAC 4.0*
- Create OpenStack Virtual Server from Template *New in IAC 4.0*
- Create PNSC Distinguished Name *New in IAC 4.0*
- Create PNSC Object Group *New in IAC 4.0*
- Create PNSC Organization *New in IAC 4.0*
- Create PNSC VDC *New in IAC 4.0*
- Create Policy Rule XML *New in IAC 4.0*
- Create Port Profile (VMWare) – trunk mode *New in IAC 4.0*
- Create Port Profile (VMWare) *New in IAC 4.0*
- Create Role *New in IAC 4.0*
- Create Router Interface Service Profile *New in IAC 4.0*
- Create Routing Policy *New in IAC 4.0*
- Create Rule with Prefixed Condition *New in IAC 4.0*
- Create Runtime User *New in IAC 4.0*

- Create SNMP Target and Runtime User **New in IAC 4.0**
- Create Security Zone Pair **New in IAC 4.0**
- Create Service Item Definition XML *Not in IAC 4.0*
- Create Service Item XML *Not in IAC 4.0*
- Create Service Target
- Create Static Route **New in IAC 4.0**
- Create SubInterface (IOS–XE) **New in IAC 4.0**
- Create Tag for resource (EC2) **New in IAC 4.0**
- Create Tenant Folder Alarm **New in IAC 4.0**
- Create Tenant Organization Folders **New in IAC 4.0**
- Create Tenant in VNMC **New in IAC 4.0**
- Create Tenant/Organization Handler **New in IAC 4.0**
- Create Tenant/Organization **New in IAC 4.0**
- Create Tier **New in IAC 4.0**
- Create UCS Director VDC **New in IAC 4.0**
- Create UCS Organization Folders **New in IAC 4.0**
- Create UCSD VMware Network Policy Handler **New in IAC 4.0**
- Create UCSD VMware Network Policy **New in IAC 4.0**
- Create User **New in IAC 4.0**
- Create VDC Network **New in IAC 4.0**
- Create VDC VLAN on Pod **New in IAC 4.0**
- Create VDC for vCenter **New in IAC 4.0**
- Create VLAN (NXOS/IOS) **New in IAC 4.0**
- Create VLAN on UCS **New in IAC 4.0**
- Create VM Firewall **New in IAC 4.0**
- Create VM Host Profile
- Create VNMC Tenant for OnboardTenant **New in IAC 4.0**
- Create Virtual Data Center **New in IAC 4.0**
- Create Virtual Server
- Create Virtual Server From Template
- Create Virtual Server From Template (EC2) **New in IAC 4.0**
- Create Virtual Server from Template (UCSD) **New in IAC 4.0**
- Create ZBF Policy Map **New in IAC 4.0**
- Create ZBF Policy Map Rule **New in IAC 4.0**
- Create ZBF Policy Set **New in IAC 4.0**
- Create and Delete a Security Group (EC2) **New in IAC 4.0**
- Create keypair (EC2) **New in IAC 4.0**
- Create or Add Networks to VDC **New in IAC 4.0**
- Create or Add to Network–based Object Group **New in IAC 4.0**
- Create vService Node **New in IAC 4.0**
- Create vZone **New in IAC 4.0**
- Create/Replace Service Object Group **New in IAC 4.0**
- Custom Modify Network **New in IAC 4.0**
- Customize Virtual Server
- Customize Virtual Server (EC2) **New in IAC 4.0**
- Decode Base64 MIME string (EC2) **New in IAC 4.0**
- Decommission ESXi Host
- Decommission ESXi Host Handler *Not in IAC 4.0*
- Decommission Network **New in IAC 4.0**
- Decommission OpenStack VDC **New in IAC 4.0**
- Decommission Organization CSR **New in IAC 4.0**
- Decommission Organization Cloud Folders **New in IAC 4.0**
- Decommission Organization Handler **New in IAC 4.0**
- Decommission Organization LB Network **New in IAC 4.0**

- Decommission Organization Network Components **New in IAC 4.0**
- Decommission Organization **New in IAC 4.0**
- Decommission Organization Physical Servers **New in IAC 4.0**
- Decommission Organization Users **New in IAC 4.0**
- Decommission Organization VPXs **New in IAC 4.0**
- Decommission Organization VSGs **New in IAC 4.0**
- Decommission Organization Virtual Servers **New in IAC 4.0**
- Decommission Organizations Request **New in IAC 4.0**
- Decommission Physical Server
- Decommission Physical Server Handler
- Decommission Tenant Cloud Folders **New in IAC 4.0**
- Decommission Tenant Firewalls and Routers **New in IAC 4.0**
- Decommission Tenant From PNSC **New in IAC 4.0**
- Decommission Tenant Organizations **New in IAC 4.0**
- Decommission Tenant Physical Servers **New in IAC 4.0**
- Decommission Tenant Servers **New in IAC 4.0**
- Decommission Tenant Users **New in IAC 4.0**
- Decommission Tenant VDC **New in IAC 4.0**
- Decommission Tenant Virtual Servers **New in IAC 4.0**
- Decommission UCS Director Organization **New in IAC 4.0**
- Decommission UCS Director VDC **New in IAC 4.0**
- Decommission UCS Tenant **New in IAC 4.0**
- Decommission VCenter VDC **New in IAC 4.0**
- Decommission VDC Elements in PNSC **New in IAC 4.0**
- Decommission VDC Handler **New in IAC 4.0**
- Decommission VDC Network **New in IAC 4.0**
- Decommission VDC **New in IAC 4.0**
- Decommission Virtual Server
- Decommission Virtual Server Handler
- Decommission Virtual Server NetScaler VPX **New in IAC 4.0**
- Decommission vCenter Organization Servers **New in IAC 4.0**
- Delete Application **New in IAC 4.0**
- Delete Compute Security Profile **New in IAC 4.0**
- Delete Data Center **New in IAC 4.0**
- Delete Edge Router Interface **New in IAC 4.0**
- Delete Edge Router **New in IAC 4.0**
- Delete Edge Security Profile **New in IAC 4.0**
- Delete Firewall Rule from Portal **New in IAC 4.0**
- Delete NAT Mapping **New in IAC 4.0**
- Delete Object in PNSC **New in IAC 4.0**
- Delete Object on VSM **New in IAC 4.0**
- Delete OpenStack Image **New in IAC 4.0**
- Delete OpenStack Instance **New in IAC 4.0**
- Delete OpenStack Instance Snapshots **New in IAC 4.0**
- Delete OpenStack Keypair **New in IAC 4.0**
- Delete OpenStack Project **New in IAC 4.0**
- Delete Openstack Mapping Items **New in IAC 4.0**
- Delete Organization **New in IAC 4.0**
- Delete PNSC ACL Policy Set **New in IAC 4.0**
- Delete PNSC Object Group **New in IAC 4.0**
- Delete PNSC Tenant **New in IAC 4.0**
- Delete Physical Server
- Delete Physical Server Network Services **New in IAC 4.0**
- Delete Process from Runtime Queue

- Delete Route from VRF (IOS-XE) **New in IAC 4.0**
- Delete Routing Policy **New in IAC 4.0**
- Delete Runtime User
- Delete Server Group **New in IAC 4.0**
- Delete Service Group **New in IAC 4.0**
- Delete Service Item by Properties
- Delete Service Target
- Delete Snapshot (EC2) **New in IAC 4.0**
- Delete Snapshot SI
- Delete Snapshot Virtual Server
- Delete Snapshot Virtual Server (EC2) **New in IAC 4.0**
- Delete Snapshot Virtual Server Handler
- Delete Tag for resource (EC2) **New in IAC 4.0**
- Delete Target
- Delete Tenant **New in IAC 4.0**
- Delete Tier **New in IAC 4.0**
- Delete UCSD Instance **New in IAC 4.0**
- Delete VDC VLAN on Pod **New in IAC 4.0**
- Delete VM Network Services **New in IAC 4.0**
- Delete VNMC Tier **New in IAC 4.0**
- Delete VNMC VDC **New in IAC 4.0**
- Delete Virtual Server
- Delete Virtual Server (EC2) **New in IAC 4.0**
- Delete Virtual Server (UCSD) **New in IAC 4.0**
- Delete keypair (EC2) **New in IAC 4.0**
- Delete volume (EC2) **New in IAC 4.0**
- Deprovision Virtual Services for Network **New in IAC 4.0**
- Deregister Image (EC2) **New in IAC 4.0**
- Deregister Image and delete Snapshot (EC2) **New in IAC 4.0**
- Deregister Image and delete snapshot by ImageName (EC2) **New in IAC 4.0**
- Describe Addresses (EC2) **New in IAC 4.0**
- Describe Available Instance Types (EC2) **New in IAC 4.0**
- Describe Images By Machine Type (EC2) **New in IAC 4.0**
- Describe Images By Machine Type and Snapshot Tag (EC2) **New in IAC 4.0**
- Describe Instance (EC2) **New in IAC 4.0**
- Describe Instance Types (EC2) **New in IAC 4.0**
- Describe Security Groups (EC2) **New in IAC 4.0**
- Describe Tags (EC2) **New in IAC 4.0**
- Describe Tags with optional filter (EC2) **New in IAC 4.0**
- Describe Volumes (EC2) **New in IAC 4.0**
- Describe Vpcs (EC2) **New in IAC 4.0**
- Describe images (EC2) **New in IAC 4.0**
- Describe images (EC2) with filter by machine type **New in IAC 4.0**
- Describe images with snapshotId (EC2) **New in IAC 4.0**
- Describe keypairs (EC2) **New in IAC 4.0**
- Describe subnets with Name tag (EC2) **New in IAC 4.0**
- Disassociate Compute FW from VSG **New in IAC 4.0**
- Disassociate Elastic IP Address (EC2) **New in IAC 4.0**
- Disassociate OpenStack Instance Floating IPs **New in IAC 4.0**
- Disassociate VM Host Profile
- Discover Infrastructure -> Images (EC2) **New in IAC 4.0**
- Discover Infrastructure -> Instance Types (EC2) **New in IAC 4.0**
- Discover Infrastructure -> KeyPairs (EC2) **New in IAC 4.0**
- Discover Infrastructure -> Security Groups (EC2) **New in IAC 4.0**

- Discover Infrastructure -> Subnets (EC2) **New in IAC 4.0**
- Download OVA files **New in IAC 4.0**
- Enable CSR License **New in IAC 4.0**
- Encode Base64 MIME String (EC2) **New in IAC 4.0**
- Enterprise Transit Network **New in IAC 4.0**
- Enumerate Clusters
- Enumerate Datacenters
- Enumerate Portgroups **New in IAC 4.0**
- Enumerate Templates **New in IAC 4.0**
- Enumerate VM Hosts
- Enumerate VMs **New in IAC 4.0**
- Execute vSphere PowerCLI Command
- FSM State Transition
- FSM State Transition Handler
- Find Applications **New in IAC 4.0**
- Find Data Centers **New in IAC 4.0**
- Find Object in PNSC **New in IAC 4.0**
- Find Orchestrator Processes
- Find Organization **New in IAC 4.0**
- Find Runtime Users
- Find Tenants **New in IAC 4.0**
- Find Tiers **New in IAC 4.0**
- Format Nexus XML Output **New in IAC 4.0**
- Format UCS Organization
- Free Physical Interface on CSR **New in IAC 4.0**
- Generate Authorization APID
- Generate RabbitMQ vHost **New in IAC 4.0**
- Generate Random Number **New in IAC 4.0**
- Generate Server Hostname **New in IAC 4.0**
- Get AWS signature of query (EC2) **New in IAC 4.0**
- Get Available ASA **New in IAC 4.0**
- Get IP Address
- Get IP Addresses in Network Object Group **New in IAC 4.0**
- Get IPAddress for VIP **New in IAC 4.0**
- Get Members of PNSC Object Group **New in IAC 4.0**
- Get Nexus 1000V VEMs **New in IAC 4.0**
- Get Object in PNSC **New in IAC 4.0**
- Get OpenStack Image Details **New in IAC 4.0**
- Get OpenStack Instance Details **New in IAC 4.0**
- Get OpenStack Network ID **New in IAC 4.0**
- Get OpenStack Project Details **New in IAC 4.0**
- Get Port Profiles **New in IAC 4.0**
- Get Rate Table **New in IAC 4.0**
- Get SVS Connection Information **New in IAC 4.0**
- Get Stale Sync Data
- Get Subnets in vZone **New in IAC 4.0**
- Get Tenant Configurations
- Get UCS Director VM Details **New in IAC 4.0**
- Get VEM Detailed Information **New in IAC 4.0**
- Get VNMC Cookie **New in IAC 4.0**
- Get XMP Credentials **New in IAC 4.0**
- Get vService Nodes **New in IAC 4.0**
- HTTP Request for OpenStack **New in IAC 4.0**
- Import Route into VRF (IOS-XE) **New in IAC 4.0**

- Initialize Lease Management
- Initiate Cloud Portal Email Notification
- Install OS with Cisco Server Provisioner
- Invoke Ternary **New in IAC 4.0**
- Lease Extend
- Lease Extend Handler
- Login to Prime NSC **New in IAC 4.0**
- Logout of Prime NSC **New in IAC 4.0**
- Manage License Data
- Manage License Data Handler
- Manage Load Balancer Service Group Handler **New in IAC 4.0**
- Manage Load Balancer Service Group **New in IAC 4.0**
- Manage Network Services Handler **New in IAC 4.0**
- Manage Network Services **New in IAC 4.0**
- Manage OpenStack Power State **New in IAC 4.0**
- Manage Platform Elements
- Manage Platform Elements Handler
- Manage Power State
- Manage Power State (EC2) **New in IAC 4.0**
- Manage Power State (UCSD) **New in IAC 4.0**
- Manage Power State Handler
- Manage Server Group **New in IAC 4.0**
- Manage Service Group **New in IAC 4.0**
- Manage Snapshots (UCSD) **New in IAC 4.0**
- Manage VM Disk Handler **New in IAC 4.0**
- Manage VM Disk **New in IAC 4.0**
- Manage Virtual Server Configuration
- Manage Virtual Server Configuration (EC2) **New in IAC 4.0**
- Manage Virtual Server Configuration (UCSD) **New in IAC 4.0**
- Manage Virtual Server Configuration Handler
- Modify Network Properties Handler
- Modify Object in PNSC **New in IAC 4.0**
- Monitor Virtual Machine Events **New in IAC 4.0**
- Multi-Cloud Send Mail **New in IAC 4.0**
- Multi-Cloud Set Extended Virtual Server Properties **New in IAC 4.0**
- NAT Public IP to Private IP **New in IAC 4.0**
- NS Lookup
- Network Device Discovery – File Version **New in IAC 4.0**
- Network Discovery – Create Device SI **New in IAC 4.0**
- Network Discovery – Create Runtime User **New in IAC 4.0**
- Network Discovery – Create Terminal Target **New in IAC 4.0**
- Network Discovery – Create Topology SI **New in IAC 4.0**
- Network Discovery – Existence Discovery **New in IAC 4.0**
- Network Discovery – Register Device Handler **New in IAC 4.0**
- Network Discovery – Register Device **New in IAC 4.0**
- Network Discovery Handler **New in IAC 4.0**
- Off-Board Tenant Organization Folders **New in IAC 4.0**
- Off-Board UCS Organization Folders **New in IAC 4.0**
- Perform nsAPI Query **New in IAC 4.0**
- Ping Subnet Sweep **New in IAC 4.0**
- Populate CloudSync Discover Intervals Handler **New in IAC 4.0**
- Populate CloudSync Discover Intervals **New in IAC 4.0**
- Populate Firewall Service Groups **New in IAC 4.0**
- Populate LB Service Groups **New in IAC 4.0**

- Provision Cloud Services Router ^{New in IAC 4.0}
- Provision NetScaler VPX ^{New in IAC 4.0}
- Provision Network Services Controller ^{New in IAC 4.0}
- Provision VMDC Container ^{New in IAC 4.0}
- Provision Virtual Adaptive Security Appliance ^{New in IAC 4.0}
- Provision Virtual Security Gateway ^{New in IAC 4.0}
- Provision Virtual Services for Network ^{New in IAC 4.0}
- Query IP Address ^{New in IAC 4.0}
- Query OpenStack Flavors ^{New in IAC 4.0}
- Query OpenStack Floating IP Pools ^{New in IAC 4.0}
- Query OpenStack Images ^{New in IAC 4.0}
- Query OpenStack Instance Floating IPs ^{New in IAC 4.0}
- Query OpenStack Instance Security Groups ^{New in IAC 4.0}
- Query OpenStack Instance Snapshots ^{New in IAC 4.0}
- Query OpenStack Keypairs ^{New in IAC 4.0}
- Query OpenStack Networks ^{New in IAC 4.0}
- Query OpenStack Project Users ^{New in IAC 4.0}
- Query OpenStack Projects ^{New in IAC 4.0}
- Query OpenStack Roles ^{New in IAC 4.0}
- Query OpenStack Security Groups ^{New in IAC 4.0}
- Query OpenStack Snapshots ^{New in IAC 4.0}
- Query OpenStack Users ^{New in IAC 4.0}
- Query Service Version
- Query Standards Table ^{New in IAC 4.0}
- Query vSphere Powershell Install
- Read Nested Table XML ^{New in IAC 4.0}
- Read Objects from VSM ^{New in IAC 4.0}
- Reboot OpenStack Instance ^{New in IAC 4.0}
- Reboot instance (EC2) ^{New in IAC 4.0}
- Refresh Edge Router ^{New in IAC 4.0}
- Release Elastic IP Address (EC2) ^{New in IAC 4.0}
- Release OpenStack Instance Floating IPs ^{New in IAC 4.0}
- Release VPC Elastic IP Address (EC2) ^{New in IAC 4.0}
- Remove Network
- Remove Network Handler
- Remove Network SIs in Catalog ^{New in IAC 4.0}
- Remove OpenStack User from Project ^{New in IAC 4.0}
- Remove Port Profile ^{New in IAC 4.0}
- Remove VLAN (NXOS/IOS) ^{New in IAC 4.0}
- Remove VLAN from Trunk (NXOS/IOS) ^{New in IAC 4.0}
- Remove VLAN from UCS ^{New in IAC 4.0}
- Remove VLAN from vNIC Template ^{New in IAC 4.0}
- Remove VM Host Profile
- Reserve BGP AS in Portal ^{New in IAC 4.0}
- Reserve IP Address from Portal ^{New in IAC 4.0}
- Reserve Subnet in Portal ^{New in IAC 4.0}
- Reserve VLAN in Portal ^{New in IAC 4.0}
- Reserve Virtual IP Addresses ^{New in IAC 4.0}
- Reset Stale Sync Data
- Resize OpenStack Instance ^{New in IAC 4.0}
- Retrieve Platform Elements ^{New in IAC 4.0}
- Retrieve Policy Agent ^{New in IAC 4.0}
- Retrieve Portgroups and UCS VLANs ^{New in IAC 4.0}
- Retrieve Service Item Data

- Retrieve Service Item Data – CS **New in IAC 4.0**
- Retrieve VM Networks **New in IAC 4.0**
- Retrieve nsAPI Login and OU
- Return IP Address
- Return VLAN to Pool in Portal **New in IAC 4.0**
- Revalidate Process Runtime Queue
- Revalidate Process Runtime Queue Rules
- Revert OpenStack Instance To Snapshot **New in IAC 4.0**
- Revert Snapshot Virtual Server
- Revert Snapshot Virtual Server (EC2) **New in IAC 4.0**
- Revert Snapshot Virtual Server Handler
- Run Commands on Nexus 1000V **New in IAC 4.0**
- Run Instance (EC2) **New in IAC 4.0**
- Run instance from snapshot image (EC2) **New in IAC 4.0**
- Save Config to Startup (Any Cisco OS) **New in IAC 4.0**
- Send Request to Commission Virtual Server from Template **New in IAC 4.0**
- Set Cisco PO Global Variables
- Set Cisco PO Global Variables Handler
- Set Cloud Service Item Update Channel ID
- Set OpenStack Image Metadata **New in IAC 4.0**
- Set OpenStack Instance Metadata **New in IAC 4.0**
- Set Saved Sync Data
- Set VDC POD Platform Information **New in IAC 4.0**
- Snapshot Virtual Server
- Snapshot Virtual Server (EC2) **New in IAC 4.0**
- Snapshot Virtual Server Handler
- Split PNSC Distinguished Name **New in IAC 4.0**
- Start Lease Management
- Start instance (EC2) **New in IAC 4.0**
- Stop instance (EC2) **New in IAC 4.0**
- Substring Before/After **New in IAC 4.0**
- System Health Interval Check **New in IAC 4.0**
- System Health Interval **New in IAC 4.0**
- Terminate instance (EC2) **New in IAC 4.0**
- UCS Blade Metrics Data Sync
- URL Encode String (EC2) **New in IAC 4.0**
- Unassign VSG **New in IAC 4.0**
- Update Application **New in IAC 4.0**
- Update Data Center **New in IAC 4.0**
- Update Multiple Service Request Parameters
- Update Object on VSM **New in IAC 4.0**
- Update OpenStack Project Quotas **New in IAC 4.0**
- Update Organization **New in IAC 4.0**
- Update Requisition Status **New in IAC 4.0**
- Update Runtime User
- Update Service Item by Discovery Table XML
- Update Service Request Parameter
- Update Target
- Update Tenant **New in IAC 4.0**
- Update Tier **New in IAC 4.0**
- Update VPX Credentials **New in IAC 4.0**
- VDC Request Handler **New in IAC 4.0**
- Validate Platform Elements
- Validate Platform Elements (Scheduled)

- Validate Platform Elements → Amazon EC2 Cloud Manager **New in IAC 4.0**
- Validate Platform Elements → Cisco Adaptive Security Appliance **New in IAC 4.0**
- Validate Platform Elements → Cisco Cloud Services Router **New in IAC 4.0**
- Validate Platform Elements → Cisco Prime Network Registrar **New in IAC 4.0**
- Validate Platform Elements → Cisco Prime Network Services Controller **New in IAC 4.0**
- Validate Platform Elements → Cisco Server Provisioner
- Validate Platform Elements → Cisco UCS Director **New in IAC 4.0**
- Validate Platform Elements → Cisco UCS Manager
- Validate Platform Elements → Cisco Virtual Security Gateway **New in IAC 4.0**
- Validate Platform Elements → OpenStack **New in IAC 4.0**
- Validate Platform Elements → System Health SI History Grooming (Scheduled) **New in IAC 4.0**
- Validate Platform Elements → Terminal Target(s) **New in IAC 4.0**
- Validate Platform Elements → Update System Health SI History **New in IAC 4.0**
- Validate Platform Elements → VMware Virtual Center Server
- Validate Platform Elements → VMware vCloud Director **New in IAC 4.0**
- Validate Platform Elements Handler
- Validate Process Orchestrator
- Validate Process Orchestrator Handler
- Virtual Network Services Handler **New in IAC 4.0**
- Virtual Network Services **New in IAC 4.0**
- VnmcCreateBGPRoute **New in IAC 4.0**
- VnmcCreateEdgeRouterDeviceServiceProfile **New in IAC 4.0**
- VnmcCreateOrModifyNetworkIPPrefixedCondition **New in IAC 4.0**
- VnmcCreateOrModifyPolicy **New in IAC 4.0**
- VnmcCreateOrModifyPolicyRule **New in IAC 4.0**
- VnmcCreateOrModifyPolicyRuleNetworkPortCondition **New in IAC 4.0**
- VnmcCreateOrModifyPolicyRuleVmCondition **New in IAC 4.0**
- VnmcCreateRoutingPolicy **New in IAC 4.0**
- VnmcModifyPolicySet **New in IAC 4.0**
- Wait Instance Change State (EC2) **New in IAC 4.0**
- Wait Instance State (EC2) **New in IAC 4.0**
- Wait for OpenStack Image Status **New in IAC 4.0**
- Wait for OpenStack Instance Status **New in IAC 4.0**
- Wait image state (EC2) **New in IAC 4.0**
- Web Services Result Handler
- vSphere Create Resource Pool
- vSphere Create Resource Pool Handler
- vSphere Delete Resource Pool
- vSphere Delete Resource Pool Handler
- vSphere Metrics Data Sync
- vSphere Update Resource Pool
- vSphere Update Resource Pool Handler

Process Extension Points

- Add Firewall Rules >> Post-export **New in IAC 4.0**
- Add Firewall Rules >> Pre-export **New in IAC 4.0**
- Add Network >> Post-export
- Add Network >> Pre-export
- Add Network >> User Defined Exclusions
- Calculate Showback Rate >> Post-Calculation **New in IAC 4.0**
- Calculate Showback Rate >> Pre-Calculation **New in IAC 4.0**
- CloudSync Discover Infrastructure → Cisco SP Templates >> Post-Discovery
- CloudSync Discover Infrastructure → Cisco UCS Blades >> Post-Discovery

- CloudSync Discover Infrastructure → Cisco UCS Service Profile Templates >> Post-Discovery
- CloudSync Discover Infrastructure → Cisco UCS VLANs >> Post-Discovery
- CloudSync Discover Infrastructure → Nexus 1000V PortProfiles >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → Nexus 1000V VEMs >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Flavors >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Floating IP Pools >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Images >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Keypairs >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Networks >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Projects >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → OpenStack Security Groups >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → UCS Director Cloud >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → UCS Director NetApp >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → UCS Director Network Elements >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → UCS Director Physical Accounts >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → UCS Director Virtual Accounts >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → vCenter Clusters >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter Datacenters >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter Datastores >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter Hosts >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter Portgroups >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter Portgroups/VMHost Mapping >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → vCenter ResourcePools >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter VM Templates >> Post-Discovery
- CloudSync Discover Infrastructure → vCenter VMs >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → vCenter VMs Networks >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure → vCenter VMs vDisks >> Post-Discovery ^{New in IAC 4.0}
- CloudSync Discover Infrastructure >> User Defined
- CloudSync vCenter VM PowerState >> Post-Discovery ^{New in IAC 4.0}
- Commission ESXi Host (Cisco UCS) >> User Defined Rollback
- Commission ESXi Host >> Post-provisioning
- Commission ESXi Host >> Pre-provisioning
- Commission ESXi Host >> Service Profile Pre-association
- Commission ESXi Host >> User Defined Rollback
- Commission Physical Server (Cisco UCS) >> User Defined Rollback
- Commission Physical Server >> Post-provisioning
- Commission Physical Server >> Pre-provisioning
- Commission Physical Server >> Service Profile Pre-association
- Commission Physical Server >> User Defined Rollback
- Commission Virtual Server >> Post-provisioning
- Commission Virtual Server >> Pre-provisioning
- Commission Virtual Server and Install OS >> User Defined Rollback
- Commission Virtual Server from Template >> User Defined Rollback
- Configure CPO IP Address >> Extension ^{New in IAC 4.0}
- Configure Load Balancer Extension >> User Defined ^{New in IAC 4.0}
- Configure Router for Load Balancer >> User defined ^{New in IAC 4.0}
- Create Firewall Rule >> Post-provisioning ^{New in IAC 4.0}
- Create Firewall Rule >> Pre-provisioning ^{New in IAC 4.0}
- Create Network POD Device Mapping >> Post-export ^{New in IAC 4.0}
- Create Network POD Device Mapping >> Pre-export ^{New in IAC 4.0}
- Create Resource Pool >> User defined

- Create Snapshot >> User Defined
- Create VDC >> User Defined ^{New in IAC 4.0}
- Create VLAN on Pod >> User Defined ^{New in IAC 4.0}
- Create Virtual Server (vCenter) >> User Defined
- Create Virtual Server >> User Defined
- Create Virtual Server from Template >> User Defined
- Create or Add Networks to VDC >> Post-provisioning ^{New in IAC 4.0}
- Create or Add Networks to VDC >> Pre-provisioning ^{New in IAC 4.0}
- Customize Virtual Server >> User Defined
- Customize Virtual Server Hardware (vCenter) >> User Defined
- Customize Virtual Server Operating System (vCenter) >> User Defined
- Decommission ESXi Host >> Pre-Provisioning
- Decommission Organization >> Post-decommission ^{New in IAC 4.0}
- Decommission Organization >> Pre-decommission ^{New in IAC 4.0}
- Decommission Organization Server >> Extension Point ^{New in IAC 4.0}
- Decommission Physical Server >> Post-decommission
- Decommission Physical Server >> Pre-decommission
- Decommission Server Element >> Extension Point ^{New in IAC 4.0}
- Decommission Virtual Server >> Post-decommission
- Decommission Virtual Server >> Pre-decommission
- Delete OpenStack Snapshot Virtual Server >> Post-Provisioning ^{New in IAC 4.0}
- Delete Resource Pool >> User Defined
- Delete Snapshot >> User Defined
- Delete Snapshot Virtual Server >> Post-Provisioning
- Delete Virtual Server >> User Defined
- Extension >> Add Member to Load Balanced Pool >> ACE ^{New in IAC 4.0}
- Extension >> Add Member to Load Balanced Pool >> Custom ^{New in IAC 4.0}
- Extension >> Add Member to Load Balanced Pool >> F5 ^{New in IAC 4.0}
- Extension >> Add Member to Load Balanced Pool >> VPX ^{New in IAC 4.0}
- Extension >> Add Member to Server Group ^{New in IAC 4.0}
- Extension >> Add Port to Load Balancer Service Group >> ACE ^{New in IAC 4.0}
- Extension >> Add Port to Load Balancer Service Group >> Custom ^{New in IAC 4.0}
- Extension >> Add Port to Load Balancer Service Group >> F5 ^{New in IAC 4.0}
- Extension >> Add Port to Load Balancer Service Group >> VPX ^{New in IAC 4.0}
- Extension >> Create Interfaces >> User Defined ^{New in IAC 4.0}
- Extension >> Create Server Group ^{New in IAC 4.0}
- Extension >> Delete Server Group ^{New in IAC 4.0}
- Extension >> Deprovision VDC Network on L3 Devices ^{New in IAC 4.0}
- Extension >> Provision VDC Network on L3 Devices ^{New in IAC 4.0}
- Extension >> Remove Member from Load Balanced Pool >> ACE ^{New in IAC 4.0}
- Extension >> Remove Member from Load Balanced Pool >> Custom ^{New in IAC 4.0}
- Extension >> Remove Member from Load Balanced Pool >> F5 ^{New in IAC 4.0}
- Extension >> Remove Member from Load Balanced Pool >> VPX ^{New in IAC 4.0}
- Extension >> Remove Member from Server Group ^{New in IAC 4.0}
- Extension >> Remove Port from Load Balancer Service Group >> ACE ^{New in IAC 4.0}
- Extension >> Remove Port from Load Balancer Service Group >> Custom ^{New in IAC 4.0}
- Extension >> Remove Port from Load Balancer Service Group >> F5 ^{New in IAC 4.0}
- Extension >> Remove Port from Load Balancer Service Group >> VPX ^{New in IAC 4.0}
- FSM State Transition >> User Defined
- Find Targets >> User Defined
- Generate Server Hostname >> User Defined ^{New in IAC 4.0}
- Get IP Address >> Post-allocation
- Get IP Address >> User Defined
- Install OS with Cisco Server Provisioner >> Network Boot

- Install OS with Cisco Server Provisioner >> Post-provisioning
- Install OS with Cisco Server Provisioner >> Pre-provisioning
- Lease Extend >> Post-Provisioning
- Load Balancer >> User Defined ^{New in IAC 4.0}
- Manage Network Services >> Post-provisioning ^{New in IAC 4.0}
- Manage Network Services >> Pre-provisioning ^{New in IAC 4.0}
- Manage OpenStack Virtual Server Configuration >> Post-Provisioning ^{New in IAC 4.0}
- Manage OpenStack Virtual Server Configuration >> Pre-Provisioning ^{New in IAC 4.0}
- Manage Physical Network Services >> User Defined ^{New in IAC 4.0}
- Manage Platform Elements >> User Defined
- Manage Platform Elements >> User Defined Rollback
- Manage Power State >> Post-Provisioning
- Manage Power State >> Pre-Provisioning
- Manage Power State >> User Defined
- Manage Server Group >> Extension ^{New in IAC 4.0}
- Manage Service Group >> Extension ^{New in IAC 4.0}
- Manage Virtual Server Configuration >> Post-Provisioning
- Manage Virtual Server Configuration >> Pre-Provisioning
- Manage Virtual Server Configuration >> User Defined
- Modify Network Properties >> User Defined
- Modify Network Properties >> User Defined Rollback
- Onboard Tenant/Org >> Post-provisioning ^{New in IAC 4.0}
- Onboard Tenant/Org >> Pre-provisioning ^{New in IAC 4.0}
- Physical Network >> User Defined Rollback ^{New in IAC 4.0}
- Physical Network Services >> User Defined Rollback ^{New in IAC 4.0}
- Provision Cloud Services Router >> Post-Provisioning ^{New in IAC 4.0}
- Provision Cloud Services Router >> Pre-Provisioning ^{New in IAC 4.0}
- Provision NetScaler VPX >> Post-Provisioning ^{New in IAC 4.0}
- Provision NetScaler VPX >> Pre-Provisioning ^{New in IAC 4.0}
- Provision VSG >> Post Provision ^{New in IAC 4.0}
- Provision VSG >> Pre Provision ^{New in IAC 4.0}
- Provision vASA >> Post Provision ^{New in IAC 4.0}
- Provision vASA >> Pre Provision ^{New in IAC 4.0}
- Query vSphere Managed Objects
- Remove Network >> Extension
- Remove Network >> User Defined Rollback
- Retrieve Physical Network Element >> User Defined ^{New in IAC 4.0}
- Return IP Address >> Post-return
- Return IP Address >> User Defined
- Revert OpenStack Snapshot Virtual Server >> Post-Provisioning ^{New in IAC 4.0}
- Revert Snapshot >> User Defined
- Revert Snapshot Virtual Server >> Post-Provisioning
- Set VLAN System Name >> User Defined ^{New in IAC 4.0}
- Snapshot EC2 >> Pre-Provisioning ^{New in IAC 4.0}
- Snapshot EC2 >> Post-Provisioning ^{New in IAC 4.0}
- Snapshot OpenStack Virtual Server >> Post-Provisioning ^{New in IAC 4.0}
- Snapshot OpenStack Virtual Server >> Pre-Provisioning ^{New in IAC 4.0}
- Snapshot UCSB >> Post-Provisioning ^{New in IAC 4.0}
- Snapshot UCSB >> Pre-Provisioning ^{New in IAC 4.0}
- Snapshot Virtual Server >> Post-Provisioning
- Snapshot Virtual Server >> Pre-Provisioning
- System Health Interval >> User Extensions ^{New in IAC 4.0}
- Update OpenStack Resource Pool >> Post-Provisioning ^{New in IAC 4.0}
- Update OpenStack Resource Pool >> Pre-Provisioning ^{New in IAC 4.0}

- Update Requisition Status >> Extension Point **New in IAC 4.0**
- Update Resource Pool >> User Defined
- Validate Platform Elements (Scheduled) >> User Extensions **New in IAC 4.0**
- Validate Platform Elements >> User Defined
- Validate Process Orchestrator >> Post-Provisioning
- Virtual Network Services >> Post-provisioning **New in IAC 4.0**
- Virtual Network Services >> Pre-provisioning **New in IAC 4.0**
- vSphere Create Resource Pool >> Post-Provisioning
- vSphere Create Resource Pool >> Pre-Provisioning
- vSphere Delete Resource Pool >> Post-Provisioning
- vSphere Delete Resource Pool >> Pre-Provisioning
- vSphere Update Resource Pool >> Post-Provisioning
- vSphere Update Resource Pool >> Pre-Provisioning

Cisco Prime Service Catalog Services

Services

- Activate Cloud Resource
- Add Cloud Administration Organization
- Add Cloud Administrator
- Add Cloud Business Administrator **New in IAC 4.0**
- Add Member to Server Group **New in IAC 4.0**
- Add Member to Service Group **New in IAC 4.0**
- Add Network
- Add Network to VDC
- Add Networks To VDC **New in IAC 4.0**
- Add NewUser **New in IAC 4.0**
- Add Organization Technical Administrator
- Add Public Subnet to Network POD **New in IAC 4.0**
- Add Tenant Business Administrator **New in IAC 4.0**
- Add Tenant Technical Administrator **New in IAC 4.0**
- Add User
- Add User to an Organization **New in IAC 4.0**
- Add User to the Tenant **New in IAC 4.0**
- Allocate Floating IP Address **New in IAC 4.0**
- Assign ASA to Tenant **New in IAC 4.0**
- Assign CSR to Tenant **New in IAC 4.0**
- Assign Cluster Metric SI Data
- Assign Datacenter Metric SI Data
- Assign Datastore Metric SI Data
- Assign IPAddress SI Data
- Assign NetScaler VPX To Tenant **New in IAC 4.0**
- Assign Network Metric SI Data
- Assign Resource Pool Metric SI Data
- Assign UCS Metric SI Data
- Assign VSG To Tenant **New in IAC 4.0**
- Associate vNIC Templates to VSM **New in IAC 4.0**
- Bind Load Balancer **New in IAC 4.0**
- ChargeBack Calculator **New in IAC 4.0**
- Clone VM to Template
- Cloud Resource Maintenance
- Cloud SIL Update Channel ID

- Cloud Service Error Remediation
- CloudSync Edit Infrastructure
- Configure Approvals
- Configure External Routing **New in IAC 4.0**
- Connect Cloud Infrastructure
- Contact Details **New in IAC 4.0**
- Convert VM to Template
- Create Compute POD **New in IAC 4.0**
- Create External Network **New in IAC 4.0**
- Create Firewall Policy **New in IAC 4.0**
- Create Load Balancer Service Group **New in IAC 4.0**
- Create Network POD **New in IAC 4.0**
- Create Organization
- Create POD *Not in IAC 4.0*
- Create Server Group **New in IAC 4.0**
- Create Service Group **New in IAC 4.0**
- Create Service Resource Container **New in IAC 4.0**
- Create System Health Check Intervals **New in IAC 4.0**
- Create VDC Firewall Rule **New in IAC 4.0**
- Create VDC Networks **New in IAC 4.0**
- Create VM Firewall Rule **New in IAC 4.0**
- Create Virtual Data Center
- Create a Shared Zone *Not in IAC 4.0*
- CreateRateTable **New in IAC 4.0**
- Decommission Physical Server
- Decommission Tenant VDC **New in IAC 4.0**
- Decommission Virtual Data Center
- Decommission Virtual Machine
- Delete Firewall Policy **New in IAC 4.0**
- Delete Firewall Policy RAPI **New in IAC 4.0**
- Delete Load Balancer Service Group **New in IAC 4.0**
- Delete Server Firewall Rule **New in IAC 4.0**
- Delete Server Group **New in IAC 4.0**
- Delete Service Group **New in IAC 4.0**
- Delete Snapshot
- Delete VDC Firewall Rule **New in IAC 4.0**
- Delete Zone **New in IAC 4.0**
- Discover Infrastructure
- Discover Network Devices **New in IAC 4.0**
- Extend Managed Lease Instance *Not in IAC 4.0*
- Extend Server Lease **New in IAC 4.0**
- Glossary Management **New in IAC 4.0**
- Grant Permissions To OU Utility **New in IAC 4.0**
- Grant Permissions To Tenants Utility **New in IAC 4.0**
- Ignore Cloud Resource
- Manage Access to VDC **New in IAC 4.0**
- Manage Blade Pools
- Manage Email Templates
- Manage Load balancers **New in IAC 4.0**
- Manage Service Group Membership **New in IAC 4.0**
- Managed Lease Instance
- Modify Cloud Administration Organization
- Modify Configuration
- Modify Network POD **New in IAC 4.0**

- Modify Network Properties
- Modify Organization
- Modify Server Ownership **New in IAC 4.0**
- Modify Service Resource Container **New in IAC 4.0**
- Modify System-wide Service Options **New in IAC 4.0**
- Modify Tenant **New in IAC 4.0**
- Modify User Properties
- Modify VDC Size
- Modify a Shared Zone *Not in IAC 4.0*
- Offboard Tenant **New in IAC 4.0**
- Onboard Cloud Administration Organization **New in IAC 4.0**
- Onboard Tenant **New in IAC 4.0**
- Onboard Tenant in VNMC **New in IAC 4.0**
- Order a Physical Server
- Order a Virtual Machine From Template
- Order a Virtual Machine and Install an OS
- PO Send Status Email
- Physical Server Run Rate **New in IAC 4.0**
- Power Cycle Physical Server
- Power Cycle Virtual Machine
- Power Down Physical Server
- Power Down Virtual Machine
- Power Up Physical Server
- Power Up Virtual Machine
- Refresh Metrics
- Refresh and Update Cloud License
- Register ASA in VNMC **New in IAC 4.0**
- Register Amazon EC2 Image **New in IAC 4.0**
- Register Amazon EC2 Instance Type **New in IAC 4.0**
- Register Amazon EC2 Key Pair **New in IAC 4.0**
- Register Amazon EC2 Network **New in IAC 4.0**
- Register Amazon EC2 Security Group **New in IAC 4.0**
- Register Cisco UCS Blade
- Register Cisco UCS Server **New in IAC 4.0**
- Register Cisco UCS VLAN
- Register Cluster
- Register Datacenter
- Register Datastore
- Register Hypervisor Host
- Register OpenStack Flavor **New in IAC 4.0**
- Register OpenStack Floating IP Pool **New in IAC 4.0**
- Register OpenStack Image **New in IAC 4.0**
- Register OpenStack Key Pair **New in IAC 4.0**
- Register OpenStack Network **New in IAC 4.0**
- Register OpenStack Project **New in IAC 4.0**
- Register OpenStack Security Group **New in IAC 4.0**
- Register Operating System Template
- Register Resource Pool
- Register Service Profile Template
- Register UCS Director Catalogs **New in IAC 4.0**
- Register UCS Director NetApp Aggregates **New in IAC 4.0**
- Register UCS Director NetApp FC Adapters **New in IAC 4.0**
- Register UCS Director NetApp Initiator Groups **New in IAC 4.0**
- Register UCS Director NetApp Initiators **New in IAC 4.0**

- Register UCS Director NetApp Luns *New in IAC 4.0*
- Register UCS Director NetApp Volumes *New in IAC 4.0*
- Register UCS Director Physical Accounts *New in IAC 4.0*
- Register UCS Director Virtual Accounts *New in IAC 4.0*
- Register VM Template
- Register VMware Computing Policies *New in IAC 4.0*
- Register VMware Network Policies *New in IAC 4.0*
- Register VMware Storage Policies *New in IAC 4.0*
- Register VMware System Policies *New in IAC 4.0*
- Register Virtual Machine *New in IAC 4.0*
- Release Floating IP Address *New in IAC 4.0*
- Remove Cisco UCS Blade
- Remove Cloud Administrator
- Remove Cloud Business Administrator *New in IAC 4.0*
- Remove Compute POD *New in IAC 4.0*
- Remove Member from Server Group *New in IAC 4.0*
- Remove Member from Server Group RAPI *New in IAC 4.0*
- Remove Network
- Remove Network POD *New in IAC 4.0*
- Remove Network from VDC
- Remove Operating System Template
- Remove Organization
- Remove Organization Technical Administrator
- Remove POD *Not in IAC 4.0*
- Remove Service Profile Template
- Remove Service Resource Container *New in IAC 4.0*
- Remove Tenant Business Administrator *New in IAC 4.0*
- Remove Tenant Technical Administrator *New in IAC 4.0*
- Remove User
- Remove User from the Organization *New in IAC 4.0*
- Remove VM Disk *New in IAC 4.0*
- Remove VM Template
- Revert to Snapshot
- Revoke Permissions For Tenants Utility *New in IAC 4.0*
- Set Agent Configuration *New in IAC 4.0*
- Set HTTP Agent Configuration *Not in IAC 4.0*
- Set Provisioning Settings
- Set REX Agent Configuration
- Set System-wide Service Options
- Take Snapshot
- Update Cloud Infrastructure
- Update CloudSync Discovery Intervals *New in IAC 4.0*
- Update Compute POD *New in IAC 4.0*
- Update Load Balancer Service Group *New in IAC 4.0*
- Update POD *Not in IAC 4.0*
- Update Pricing Information *New in IAC 4.0*
- Update Service Profile Template
- Update System Health Check Intervals *New in IAC 4.0*
- VDC Connection Type *New in IAC 4.0*
- VDisk Operations *New in IAC 4.0*
- VM Run Rate *New in IAC 4.0*
- VNS Resources for Tenant *New in IAC 4.0*
- Validate Cisco Process Orchestrator
- Validate Email Server

- Validate Platform Element
- View Cisco Process Orchestrator
- View Cloud Connections
- View Organization Details
- View Snapshots
- View VM and Physical Firewall Rules **New in IAC 4.0**

Service Extension Points

- Activate Cloud Resource Post-servicing
- Activate Cloud Resource Pre-servicing
- Add Cloud Administration Organization Post-servicing
- Add Cloud Administration Organization Pre-servicing
- Add Cloud Administrator Post-servicing
- Add Cloud Administrator Pre-servicing
- Add Cloud Business Administrator Post-servicing **New in IAC 4.0**
- Add Cloud Business Administrator Pre-servicing **New in IAC 4.0**
- Add Network Post-servicing
- Add Network Pre-servicing
- Add Network To VDC Post-servicing **New in IAC 4.0**
- Add Network To VDC Pre-servicing **New in IAC 4.0**
- Add Network to VDC Post-servicing *Not in IAC 4.0*
- Add Network to VDC Pre-servicing *Not in IAC 4.0*
- Add NewUser Post-servicing **New in IAC 4.0**
- Add NewUser Pre-servicing **New in IAC 4.0**
- Add Organization Technical Admin Post-servicing
- Add Organization Technical Admin Pre-servicing
- Add Public Subnet to Provider Pool Post-servicing **New in IAC 4.0**
- Add Public Subnet to Provider Pool Pre-servicing **New in IAC 4.0**
- Add Tenant Business Administrator Post-servicing **New in IAC 4.0**
- Add Tenant Business Administrator Pre-servicing **New in IAC 4.0**
- Add Tenant Technical Administrator Post-servicing **New in IAC 4.0**
- Add Tenant Technical Administrator Pre-servicing **New in IAC 4.0**
- Add User Post-servicing
- Add User Pre-servicing
- Add User to Tenant Post-servicing **New in IAC 4.0**
- Add User to Tenant Pre-servicing **New in IAC 4.0**
- Add User to the Tenant Post-servicing **New in IAC 4.0**
- Add User to the Tenant Pre-servicing **New in IAC 4.0**
- Assign Cluster Metric SI Data Post-servicing
- Assign Cluster Metric SI Data Pre-servicing
- Assign Datacenter Metric SI Data Post-servicing
- Assign Datacenter Metric SI Data Pre-servicing
- Assign Datastore Metric SI Data Post-servicing
- Assign Datastore Metric SI Data Pre-servicing
- Assign IPAddress SI Data Post-servicing
- Assign IPAddress SI Data Pre-servicing
- Assign Network Metric SI Data Post-servicing
- Assign Network Metric SI Data Pre-servicing
- Assign Resource Pool Metric SI Data Post-servicing
- Assign Resource Pool Metric SI Data Pre-servicing
- Assign UCS Metric SI Data Post-servicing
- Assign UCS Metric SI Data Pre-servicing
- Clone VM to Template Post-servicing

- Clone VM to Template Pre-servicing
- Cloud Resource Maintenance Post-servicing **New in IAC 4.0**
- Cloud Resource Maintenance Pre-servicing **New in IAC 4.0**
- CloudSync Edit Infrastructure Post-servicing
- CloudSync Edit Infrastructure Pre-servicing
- Configure Approvals Post-servicing
- Configure Approvals Pre-servicing
- Connect Cloud Infrastructure Post-servicing
- Connect Cloud Infrastructure Pre-servicing
- Convert VM to Template Post-servicing
- Convert VM to Template Pre-servicing
- Create External Network Post-servicing **New in IAC 4.0**
- Create External Network Pre-servicing **New in IAC 4.0**
- Create Network POD Post-servicing **New in IAC 4.0**
- Create Network POD Pre-servicing **New in IAC 4.0**
- Create Organization Post-servicing
- Create Organization Pre-servicing
- Create POD Post-servicing
- Create POD Pre-servicing
- Create Shared Zone Post-servicing
- Create Shared Zone Pre-servicing
- Create VM Firewall Rule Post-servicing **New in IAC 4.0**
- Create VM Firewall Rule Pre-servicing **New in IAC 4.0**
- Create Virtual Data Center Post-servicing
- Create Virtual Data Center Pre-servicing
- Decommission Physical Server Post-servicing
- Decommission Physical Server Pre-servicing
- Decommission Virtual Data Center Post-servicing
- Decommission Virtual Data Center Pre-servicing
- Decommission Virtual Machine Post-servicing
- Decommission Virtual Machine Pre-servicing
- Delete Snapshot Post-servicing *Not in IAC 4.0*
- Delete Snapshot Pre-servicing *Not in IAC 4.0*
- Discover Infrastructure Post-servicing
- Discover Infrastructure Pre-servicing
- Discover Network Devices Post-servicing **New in IAC 4.0**
- Discover Network Devices Pre-servicing **New in IAC 4.0**
- Email Template Management Post-servicing
- Email Template Management Pre-servicing
- Extend Managed Lease Instance Post-servicing
- Extend Managed Lease Instance Pre-servicing
- Ignore Cloud Resource Post-servicing
- Ignore Cloud Resource Pre-servicing
- Maintenance Post-servicing *Not in IAC 4.0*
- Maintenance Pre-servicing *Not in IAC 4.0*
- Manage Access to VDC Post-servicing **New in IAC 4.0**
- Manage Access to VDC Pre-servicing **New in IAC 4.0**
- Manage Blade Pools Post-servicing
- Manage Blade Pools Post-servicing
- Manage Blade Pools Pre-servicing
- Manage Blade Pools Pre-servicing
- Managed Lease Instance Post-servicing
- Managed Lease Instance Pre-servicing
- Modify Cloud Admin Organization Post-servicing

- Modify Cloud Admin Organization Pre-servicing
- Modify Configuration Post-servicing
- Modify Configuration Pre-servicing
- Modify Network POD Post-servicing **New in IAC 4.0**
- Modify Network POD Pre-servicing **New in IAC 4.0**
- Modify Network Properties Post-servicing
- Modify Network Properties Pre-servicing
- Modify Organization Post-servicing
- Modify Organization Pre-servicing
- Modify Shared Zone Post-servicing
- Modify Shared Zone Pre-servicing
- Modify System-wide Service Options Post-servicing **New in IAC 4.0**
- Modify System-wide Service Options Pre-servicing **New in IAC 4.0**
- Modify Tenant Post-servicing **New in IAC 4.0**
- Modify Tenant Pre-servicing **New in IAC 4.0**
- Modify User Properties Post-servicing
- Modify User Properties Pre-servicing
- Modify VDC Package Post-servicing
- Modify VDC Package Pre-servicing
- Onboard Cloud Administration Organization Post-servicing **New in IAC 4.0**
- Onboard Cloud Administration Organization Pre-servicing **New in IAC 4.0**
- Onboard Tenant Post-servicing **New in IAC 4.0**
- Onboard Tenant Pre-servicing **New in IAC 4.0**
- Order a Physical Server Post-servicing
- Order a Physical Server Pre-servicing
- Order a VM and Install an OS Post-servicing
- Order a VM and Install an OS Pre-servicing
- Order a Virtual Machine From Template Post-servicing
- Order a Virtual Machine From Template Pre-servicing
- Power Cycle Physical Server Post-servicing
- Power Cycle Physical Server Pre-servicing
- Power Cycle Virtual Machine Post-servicing
- Power Cycle Virtual Machine Pre-servicing
- Power Down Physical Server Post-servicing
- Power Down Physical Server Pre-servicing
- Power Down Virtual Machine Post-servicing
- Power Down Virtual Machine Pre-servicing
- Power Up Physical Server Post-servicing
- Power Up Physical Server Pre-servicing
- Power Up Virtual Machine Post-servicing
- Power Up Virtual Machine Pre-servicing
- Refresh Metrics Post-servicing
- Refresh Metrics Pre-servicing
- Register Amazon EC2 Image Post-servicing **New in IAC 4.0**
- Register Amazon EC2 Image Pre-servicing **New in IAC 4.0**
- Register Amazon EC2 Instance Post-servicing **New in IAC 4.0**
- Register Amazon EC2 Instance Pre-servicing **New in IAC 4.0**
- Register Amazon EC2 Key Pair Post-servicing **New in IAC 4.0**
- Register Amazon EC2 Key Pair Pre-servicing **New in IAC 4.0**
- Register Amazon EC2 Network Post-servicing **New in IAC 4.0**
- Register Amazon EC2 Network Pre-servicing **New in IAC 4.0**
- Register Amazon EC2 Security Group Post-servicing **New in IAC 4.0**
- Register Amazon EC2 Security Group Pre-servicing **New in IAC 4.0**
- Register Cisco UCS Blade Post-servicing *Not in IAC 4.0*

- Register Cisco UCS Blade Pre–servicing *Not in IAC 4.0*
- Register Cisco UCS Server Post–servicing **New in IAC 4.0**
- Register Cisco UCS Server Pre–servicing **New in IAC 4.0**
- Register Cisco UCS VLAN Post–servicing
- Register Cisco UCS VLAN Pre–servicing
- Register Cluster Post–servicing
- Register Cluster Pre–servicing
- Register Datacenter Post–servicing
- Register Datacenter Pre–servicing
- Register Datastore Post–servicing
- Register Datastore Pre–servicing
- Register Hosts Post–servicing
- Register Hosts Pre–servicing
- Register OpenStack Flavor Post–servicing **New in IAC 4.0**
- Register OpenStack Flavor Pre–servicing **New in IAC 4.0**
- Register OpenStack Floating IP Pool Post–servicing **New in IAC 4.0**
- Register OpenStack Floating IP Pool Pre–servicing **New in IAC 4.0**
- Register OpenStack Image Post–servicing **New in IAC 4.0**
- Register OpenStack Image Pre–servicing **New in IAC 4.0**
- Register OpenStack Key Pair Post–servicing **New in IAC 4.0**
- Register OpenStack Key Pair Pre–servicing **New in IAC 4.0**
- Register OpenStack Network Post–servicing **New in IAC 4.0**
- Register OpenStack Network Pre–servicing **New in IAC 4.0**
- Register OpenStack Project Post–servicing **New in IAC 4.0**
- Register OpenStack Project Pre–servicing **New in IAC 4.0**
- Register OpenStack Security Group Post–servicing **New in IAC 4.0**
- Register OpenStack Security Group Pre–servicing **New in IAC 4.0**
- Register Operating System Template Post–servicing
- Register Operating System Template Pre–servicing
- Register Resource Pool Post–servicing
- Register Resource Pool Pre–servicing
- Register Service Profile Template Post–servicing
- Register Service Profile Template Pre–servicing
- Register UCS Director Catalogs Post–servicing **New in IAC 4.0**
- Register UCS Director Catalogs Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp Aggregates Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp Aggregates Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp FC Adapters Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp FC Adapters Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp Initiator Groups Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp Initiator Groups Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp Initiators Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp Initiators Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp Luns Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp Luns Pre–servicing **New in IAC 4.0**
- Register UCS Director NetApp Volumes Post–servicing **New in IAC 4.0**
- Register UCS Director NetApp Volumes Pre–servicing **New in IAC 4.0**
- Register UCS Director Physical Accounts Post–servicing **New in IAC 4.0**
- Register UCS Director Physical Accounts Pre–servicing **New in IAC 4.0**
- Register UCS Director Virtual Accounts Post–servicing **New in IAC 4.0**
- Register UCS Director Virtual Accounts Pre–servicing **New in IAC 4.0**
- Register VM Template Post–servicing
- Register VM Template Pre–servicing
- Register Virtual Machine Post–servicing **New in IAC 4.0**

- Register Virtual Machine Pre-servicing ^{New in IAC 4.0}
- Remove Compute POD Post-servicing ^{New in IAC 4.0}
- Remove Cisco UCS Blade Post-servicing
- Remove Cisco UCS Blade Pre-servicing
- Remove Cloud Administrator Post-servicing
- Remove Cloud Administrator Pre-servicing
- Remove Cloud Business Administrator Post-servicing ^{New in IAC 4.0}
- Remove Cloud Business Administrator Pre-servicing ^{New in IAC 4.0}
- Remove Compute POD Pre-servicing ^{New in IAC 4.0}
- Remove Network Post-servicing
- Remove Network Pre-servicing
- Remove Network from VDC Post-servicing
- Remove Network from VDC Pre-servicing
- Remove Operating System Template Post-servicing
- Remove Operating System Template Pre-servicing
- Remove Organization Post-servicing
- Remove Organization Pre-servicing
- Remove Organization Technical Admin Post-servicing
- Remove Organization Technical Admin Pre-servicing
- Remove POD Post-servicing ^{Not in IAC 4.0}
- Remove POD Pre-servicing ^{Not in IAC 4.0}
- Remove Service Profile Template Post-servicing
- Remove Service Profile Template Pre-servicing
- Remove Tenant Business Admin Post-servicing ^{New in IAC 4.0}
- Remove Tenant Business Admin Pre-servicing ^{New in IAC 4.0}
- Remove Tenant Technical Admin Post-servicing ^{New in IAC 4.0}
- Remove Tenant Technical Admin Pre-servicing ^{New in IAC 4.0}
- Remove User Post-servicing
- Remove User Pre-servicing
- Remove VM Template Post-servicing
- Remove VM Template Pre-servicing
- Revert to Snapshot Post-servicing
- Revert to Snapshot Pre-servicing
- Set Agent Configuration Post-servicing ^{New in IAC 4.0}
- Set Agent Configuration Pre-servicing ^{New in IAC 4.0}
- Set HTTP Agent Configuration Post-servicing ^{Not in IAC 4.0}
- Set HTTP Agent Configuration Pre-servicing ^{Not in IAC 4.0}
- Set Provisioning Settings Post-servicing
- Set Provisioning Settings Pre-servicing
- Set REX Agent Configuration Post-servicing
- Set REX Agent Configuration Pre-servicing
- Set System-wide Service Options Post-servicing
- Set System-wide Service Options Pre-servicing
- Take Snapshot Post-servicing
- Take Snapshot Pre-servicing
- Update Cloud Infrastructure Post-servicing
- Update Cloud Infrastructure Pre-servicing
- Update Compute POD Post-servicing ^{New in IAC 4.0}
- Update Compute POD Pre-servicing ^{New in IAC 4.0}
- Update POD Post-servicing ^{Not in IAC 4.0}
- Update POD Pre-servicing ^{Not in IAC 4.0}
- Update Service Profile Template Post-servicing
- Update Service Profile Template Pre-servicing
- Validate Email Server Status Post-servicing

- [Validate Email Server Status Pre-servicing](#)
- [Validate Orchestration Status Post-servicing](#)
- [Validate Orchestration Status Pre-servicing](#)
- [Validate Platform Element Status Post-servicing](#)
- [Validate Platform Element Status Pre-servicing](#)
- [View Orchestration Status Post-servicing](#)
- [View Orchestration Status Pre-servicing](#)
- [View Organization Details Post-servicing](#)
- [View Organization Details Pre-servicing](#)
- [View Platform Element Status Post-servicing](#)
- [View Platform Element Status Pre-servicing](#)

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