Cisco Intelligent Automation for Cloud 4.3.2 Release Notes

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This document describes key features, product requirements, enhancements, and known issues in this release of Cisco Intelligent Automation for Cloud. For more information about this release, refer to the appropriate product guides.

Note: You can access the most current Cisco Intelligent Automation for Cloud documentation, including these Release Notes, online at: http://www.cisco.com/en/US/products/ps11869/tsd_products_support_series_home.html.

Introduction

Cisco Intelligent Automation for Cloud (Cisco IAC) 4.3.2 is a cloud management software solution that delivers a critical foundation layer for deploying and managing cloud-based computing in a holistic and unified way. The solution provides essential automated management and orchestration that allows organizations to control and manage cloud-based services transparently throughout their life cycles. This solution can cover diverse cloud deployments and is a flexible solution that can scale from test and development to production workloads, from initial cloud pilots to large-scale enterprise-wide initiatives to deliver maximum value to customers.

System Requirements

Note: For the complete list of inter-operable components and version/release information, see the *Cisco Intelligent Automation for Cloud 4.3.2 Compatibility & Requirements Matrix* located here: http://www.cisco.com/c/en/us/support/cloud-systems-management/intelligent-automation-cloud/tsd-products-support-series-home.html.

New Features and Enhancements

- **Cisco IAC Improvements for 4.3.2**

  - AMQP for Cisco Prime Service Catalog / Cisco Process Orchestrator Communication

  - Enhancements to Application Stack Automation Pack (ASAP) on Cisco IAC

  - Forms and Portal Performance Enhancements

  - My Servers on Prime Service Catalog - My Stuff

  - Remove Dependency on Resource Pool

  - Setup Wizard Enhancements

  - Support for Puppet 4.*x*

- **Cisco Software Support**

  - Cisco Application Policy Infrastructure Controller (APIC)

- – Cisco Prime Service Catalog 11.x

- – Cisco Process Orchestrator 3.x.x

- – Cisco UCS Director 5.x

- – Cisco UCS Manager 2.*x*(*xx*)

- **OpenStack Support**

- – Support for OpenStack "Legacy"

Known Issues

The following are some of the known issues with Cisco IAC 4.3.2, with solutions and workarounds, if available.

Cisco Prime Service Catalog Patch Support

Problem

Cisco IAC 4.3.2 does not support for Prime Service Catalog (PSC) 11.1.1 patches.

Solution

If you install PSC 11.1.1 patches, make this modification:
- Access the newscale.properties file.

```
C:\CiscoPrimeServiceCatalog\wildfly-8.2.0.Final\ServiceCatalog\deployments\RequestCenter.war\WEB-IN
F\classes\config\newscale.properties
```

- Edit the file to add the following line at the end of the file:

```
serviceitem.nsapi.rbac.check=false
```

Cloud Infrastructure Services TriggerAction Settings

Problem

The **TriggerAction** field for certain Services can be set to either "QSR" or "WebService." If WebService, the service will be run as it always has. If QSR, it will use the AMQP-based QSR path to connect to the desired PO system.

Note: This is determined by the ServiceAction Standard Table: PSC > Service Item Manager > Manage Standards > Service Options > Service Actions.

Services supported in 4.3.2 are:

- Order a Virtual Machine from Template

- Connect Cloud Infrastructure

- Update Cloud Infrastructure

Solution

Please note that for the Cloud Infrastructure services, both need to have the **TriggerAction** settings be the **same value**. The reason is that all transactions for that Infrastructure (target) need to use the same Process Orchestrator environment.

Limitation with Application Stack Automation Pack (ASAP)

Problem

ASAP works on with Provider and/or VDC domain.

Solution

None.

Issue with Deleting Blueprints When There Are Empty Fields

Problem

When trying to delete a blueprint, when you click **Submit**, the page only refreshes, the blueprint is not deleted, and there are no errors shown on the form itself. You should see an error similar to "This service form could not be submitted because of following error: `ConfigTargetFriendlyName` is mandatory." Mandatory fields must not be blank. Mandatory fields are shown with a red astericks (*) next to them.

Solution

Edit the Delete Blueprint form and be sure to fill in all mandatory (required) fields. Click **Submit** to Delete the Blueprint.

Schema Changes

Problem

There are schema differences (field sizes) on Application Provisioning SIs after upgrading.

Solution

Customers that are upgrading and do not use application provisioning yet, but plan to use it with Cisco IAC 4.3.2, should contact TAC.

Standards Tables are Overwritten with This Release

Problem

The following tables will be overwritten when you install Cisco Intelligent Automation for Cloud 4.3.2:

- **Standards**

    - CloudSync Discover Interval

    - Discover

    - Discovery Items SI Names

    - Platform Element Types

    - Service Actions

    - UCS Director Time Zone

- UI Settings

- VDC Network Description

- VDC Network Topology

- VDC Sizes

Solution

If you require the information found in these tables, back them up before installing Cisco IAC 4.3.2.

New Role Needs to Be Created for Use with Chef 12.0

A new role will need to be created to replace the existing "CiscoCM" role with one named "ciscocm". This new role is case sensitive and the process has changed to use an all lower case name.

Problem

A new role will need to be created to replace the existing "CiscoCM" role with one named "ciscocm". This new role is case sensitive and the process has changed to use an all lower case name. The reason for this is that the new Chef 12.0 imposes a naming convention that all roles must be lowercase.

Solution

In order to be compatible with both Chef 11.x and Chef 12.0, the process now requires an all lowercase "ciscocm" role name.

- Remove role named, "CiscoCM."

- Create new role named, "ciscocom."

New Patch to OpenStack Environments Required to Work Properly with Cisco IAC

Problem

A bug in OpenStack bug requires that a patch be applied to your OpenStack environments in order to work properly with Cisco IAC.

Solution

- Apply the OpenStack patch.

Basically, the patch replaces content on every Openstack nova server of one line in the following file:

```
/usr/lib/python2.7/site-packages/nova/network/neutronv2/api.py
```

from

```
port_req_body['port']['fixed_ips'] = [{'ip_address': fixed_ip}]
```

to

```
port_req_body['port']['fixed_ips'] = [{'ip_address': str(fixed_ip)}]
```

Non Cloud Provider Technical Administrators does not have Permissions to order Group Based Policy Services

Problem

Non Cloud Provider Technical Administrators (Non-CPTA) user is not able to order any Group-Based Policy (GBP) services on Virtual Device Context (VDC) such as:

- Create Application Policy

- Manage Policy Target Group Services

- Delete Application Policy

- Create Policy Rule

- Delete Policy Rule

- Create PTG Member

They are presented with an internal error from Prime Service Catalog (PSC) and does not load the policy form. All other VDC options load as usual. All GBP options load as normal for CPTA users.

Solution

You must add permissions manually Organization Technical Administrator (OTA). Both OTA and Tenant Technical Administrator (TTA) must have access to GBP services.

For adding the permission, follow these steps:

1. In the **Add [Additional] Permission** section, choose the **Object Type** as **Services.**

2. Choose the value for **Permission for this type** as **Order Service**.

3. Select the **Assign permission to** as **Selected Objects**.

4. Enter the **Create Application** keyword in the search text box and click **Search**.

5. From the search result, select the Service as **Create Application Policy.**

6. Click **Add.**

Unable to Edit Registered Templates

Problem

Unable to edit registered templates using CloudSync Edit Infrastructure.

Solution

You must change the VM template FSMStatus from *Registered* to *Discovered* and re-register the template.

For changing the FSMStatus and re-registering the template, follow these steps:

1. Go to **Service Item Manager**.

2. Choose **Manage Service Items > Infrastructure - vCenter > VM Template table**.

3. Select your VM template and change the **FSMStatus** to **Discovered**.

4. Click **Save.**

5. Go to **Service Portal > Setup > Manage Infrastructure**.

6. Expand **VMware vCenter Server** and choose **VM Templates**.

7. Select your template and register it.

Additional Information

Cisco Intelligent Automation for Cloud Community

The Cisco Intelligent Automation for Cloud (Cisco IAC) community is a public forum that provides resources for Cisco IAC components and solutions. You can access the new Cisco Intelligent Automation for Cloud public forum here:

https://supportforums.cisco.com/community/12172166/cisco-intelligent-automation-cloud

Accessibility Features in Cisco IAC 4.3.2

The Cisco Intelligent Automation for Cloud 4.3.2 software does not provide any accessibility features. All product documents are accessible except for images, graphics, and some charts. If you would like to receive the product documentation in audio format, braille, or large print, please contact accessibility@cisco.com.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

Subscribe to the *What's New in Cisco Product Documentation* as an RSS feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service. Cisco currently supports RSS Version 2.0.

In addition to this document, the following guides have been updated for Cisco IAC 4.3.2:

■ *Cisco Intelligent Automation for Cloud 4.3.2 Quick Start Guide*

■ *Cisco Intelligent Automation for Cloud 4.3.2 Installation Guide*

■ *Cisco Intelligent Automation for Cloud 4.3.2 Administrator Guide*

■ *Cisco Intelligent Automation for Cloud 4.3.2 Compatibility Matrix*

■ *Open Source Used in Cisco Intelligent Automation for Cloud 4.3.2*

Note: For information on Cisco Intelligent Automation for Cloud Virtual Appliance, contact Cisco Technical Assistant Center (TAC).

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Open Source License Acknowledgments

Licenses and notices for open source software used in Cisco Process Orchestrator can be found in the Open Source License Acknowledgements found on Cisco.com. If you have any questions about the open source contained in this product, please email external-opensource-requests@cisco.com.

This document is to be used in conjunction with the documents listed in the Obtaining Documentation and Submitting a Service Request, page 6 section.

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Additional Information