Cisco Intelligent Automation for Cloud 4.3 Release Notes

Published: October 8, 2016

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 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 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**

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

    - Implementation of Application Stack Automation Pack (ASAP) on Cisco IAC

    - End Users Services And Categories on Cisco Prime Service Catalog

    - Forms and Portal Performance Enhancements

    - My Servers on Prime Service Catalog - My Stuff

    - Option to Delete Platform Elements

    - Prime Service Catalog Options to Enable Browser Cache and Compression

    - Remove Dependency on Resource Pool

    - Setup Wizard Enhancements

    - REX Install Enhancements

    - Support For OpenStack Connection Using Public URL

- **Cisco Software Support**

    - Cisco Application Policy Infrastructure Controller (APIC)

    - Cisco Prime Performance Manager (PPM) 1.x

    - Cisco Prime Service Catalog 11.x

    - Cisco Process Orchestrator 3.x.x

    - Cisco UCS Director 5.x/5.x

    - Cisco UCS Manager 2.x(xx)

    - Cisco Virtual Security Gateway (VSG) 2.1.xx

- **OpenStack Support**

    - Support for IceHouse has been dropped

    - Support for Kilo has been added

    - OpenStack Enhancement with GBP Plugin for Cisco IAC

    - Cisco APIC OpenStack Mechanism Driver 1.x.x

- **VMWare Support**

    - vCenter 6.0 Support

    - Allow more than one vCenter cluster per VDC

    - Support for vCenter SRM

    - vCloud Director enhancements

Changes for Cisco IAC 4.3

- Cisco Prime Performance Manager (PPM) is no longer delivered via the IAC Management Appliance for 4.3. Remote PPM is supported.

- Advanced Network Services (ANS) is not supported out of the box in Cisco IAC 4.3, and all content is hidden from the user interface. ANS is supported only via services contract.

Known Issues

The following are some of the known issues with Cisco IAC 4.3, with solutions and workarounds, if available.

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.

UCDS/Hyper-V VM Provisioning Support

Problem

Not available with this release.

Solution

Support for UCDS/Hyper-V VM provisioning will be available via a Cisco Unified Computing System Director (UCSD) patch.

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, 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:

- **Standards**
    - CloudSync Discover Interval
    - Discover
    - Discovery Items SI Names
    - Platform Element Types
    - 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.

Modifying Users from Tenant Mangement Removes ASAP Roles

Problem

Modifying User Properties of users with an ASAP role will result in the user's Stack Blueprint Designer and /or Stack Blueprint Registrar roles being lost. Therefore, users will not have the Blueprint or Stack menus visible in Cisco IAC any longer.

Solution

Reassign the users Stack Blueprint Designer and /or Stack Blueprint Registrar roles roles through **Blueprints** > **Setup** > **Add Stack Blueprint Role**.

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)}]`

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

The Cisco Intelligent Automation for Cloud 4.3 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:

- *Cisco Intelligent Automation for Cloud 4.3 Quick Start Guide*

- *Cisco Intelligent Automation for Cloud 4.3 Installation Guide*

- *Cisco Intelligent Automation for Cloud 4.3 Administrator Guide*

- *Cisco Intelligent Automation for Cloud 4.3 Compatibility Matrix*

- *Open Source Used in Cisco Intelligent Automation for Cloud 4.3*

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.

Additional Information

This document is to be used in conjunction with the documents listed in the Obtaining Documentation and Submitting a Service Request, page 7 section.

Any Internet protocol (IP) addresses used in this document are not intended to be actual addresses. Any examples, command display output, and figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses in illustrative content is unintentional and coincidental.