



# Cisco Application Policy Infrastructure Controller Release Notes, Release 5.0(2)

The Cisco Application Centric Infrastructure (ACI) is an architecture that allows the application to define the networking requirements in a programmatic way. This architecture simplifies, optimizes, and accelerates the entire application deployment lifecycle. Cisco Application Policy Infrastructure Controller (APIC) is the software, or operating system, that acts as the controller.

This document describes the features, issues, and limitations for the Cisco APIC software. For the supported hardware, no longer supported hardware (if any), features, issues, and limitations for the Cisco Nexus 9000 series switches in ACI mode, see the [Cisco Nexus 9000 ACI-Mode Switches Release Notes, Release 15.0\(2\)](#).

For more information about this product, see [Related Content](#).

**Note:** The documentation set for this product strives to use bias-free language. For the purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. Exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

Date	Description
April 29, 2024	In the Miscellaneous Compatibility Information section, added: <ul style="list-style-type: none"><li>4.2(3j) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li></ul> 4.1(3m) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)
August 1, 2022	In the Miscellaneous Compatibility Information section, added: <ul style="list-style-type: none"><li>4.2(2a) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li><li>4.1(2k) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2)</li></ul>
June 30, 2022	In the section Miscellaneous Compatibility, added information about Cisco Nexus Dashboard Insights creating the cisco_SN_NI user.
March 21, 2022	In the Miscellaneous Compatibility Information section, added: <ul style="list-style-type: none"><li>4.1(3f) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li></ul>
February 23, 2022	In the Miscellaneous Compatibility Information section, added: <ul style="list-style-type: none"><li>4.1(2g) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2)</li></ul>
November 15, 2021	In the Open Issues section, added bug CSCvy17504.
November 2, 2021	In the Miscellaneous Compatibility Information section, added: <ul style="list-style-type: none"><li>4.1(3d) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li></ul>

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Date	Description
July 26, 2021	In the Miscellaneous Compatibility Information section, the CIMC 4.1(3c) release is now recommended for UCS C220/C240 M5 (APIC-L3/M3).
March 11, 2021	<p>In the Miscellaneous Compatibility Information section, for CIMC HUU ISO, added:</p> <ul style="list-style-type: none"> <li>■ 4.1(3b) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li> </ul> <p>Changed:</p> <ul style="list-style-type: none"> <li>■ 4.1(2b) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2) and M5 (APIC-L3/M3)</li> </ul> <p>To:</p> <ul style="list-style-type: none"> <li>■ 4.1(2b) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2</li> </ul>
March 9, 2021	<p>In the Hardware Compatibility Information section, added:</p> <p>In this release, the Cisco APIC M3/L3 server does not support the UCSC-PCIE-IQ10GC Intel X710 Quad Port 10GBase-T network interface card.</p>
February 3, 2021	<p>In the Miscellaneous Compatibility Information section, for CIMC HUU ISO, added:</p> <p>4.1(2b) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2) and M5 (APIC-L3/M3)</p>
September 29, 2020	In the Miscellaneous Compatibility Information section, specified that the 4.1(1f) CIMC release is deferred. The recommended release is now 4.1(1g).
September 16, 2020	<p>In the Known Issues section, added the issue that begins with:</p> <p>Beginning in Cisco APIC release 4.1(1), the IP SLA monitor policy validates the IP SLA port value.</p>
August 7, 2020	Release 5.0(2h) became available; there are no changes to this document for this release. See the <a href="#">Cisco Cloud Application Policy Infrastructure Controller Release Notes, Release 5.0(2)</a> for the changes in this release.
July 3, 2020	Release 5.0(2e) became available.

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## New Software Features

Feature	Description	Guidelines and Restrictions
Support for VMware vSphere 7.0 with VMware vSphere Distributed Switch and Cisco ACI Virtual Edge	This release adds support for VMware vSphere 7.0 with the VMware vSphere Distributed Switch (VDS) and Cisco ACI Virtual Edge.	None.

## Changes in Behavior

For the changes in behavior, see the [Cisco ACI Releases Changes in Behavior](#) document.

## Open Issues

Click the bug ID to access the [Bug Search Tool](#) and see additional information about the bug. The "Exists In" column of the table specifies the 5.0(2) releases in which the bug exists. A bug might also exist in releases other than the 5.0(2) releases.

Bug ID	Description	Exists in
<a href="#">CSCvg81020</a>	For strict security requirements, customers require custom certificates that have RSA key lengths of 3072 and 4096.	5.0(2e) and later
<a href="#">CSCym56946</a>	Support for local user (admin) maximum tries and login delay configuration.	5.0(2e) and later
<a href="#">CSCvg54761</a>	The application EPG or the corresponding bridge domain's public subnet may be advertised out of an L3Out in another VRF instance without a contract with the L3Out under certain conditions.	5.0(2e) and later

## Open Issues

Bug ID	Description	Exists in
<a href="#">CSCvs47602</a>	A bridge domain route is not leaked on the service ToR switch after re-triggering the service graph.	5.0(2e) and later
<a href="#">CSCvs97029</a>	All the external prefixes from VRF-A could be leaked to VRF-C even when an inter-VRF ESG leak route is configured for a specific prefix.	5.0(2e) and later
<a href="#">CSCvt18145</a>	The routemap becomes missing in the shared service routemap.	5.0(2e) and later
<a href="#">CSCvt92062</a>	The Cisco APIC CLI does not have commands for the following functionality: <ol style="list-style-type: none"> <li>1. ESG show commands</li> <li>2. ESG inter-VRF route leak configuration</li> </ol>	5.0(2e) and later
<a href="#">CSCvt98140</a>	A custom OoS policy is not supported on the logical interface profile of non-anchor leaf nodes that are part of a floating L3Out.	5.0(2e) and later
<a href="#">CSCvt99928</a>	An egress/ingress data plane policer policy is not supported on the logical interface profile of non-anchor nodes that are part of a floating L3Out.	5.0(2e) and later
<a href="#">CSCvt99966</a>	A SPAN session with the source type set to "Routed-Outside" goes down. The SPAN configuration is pushed to the anchor or non-anchor nodes, but the interfaces are not pushed due to the following fault: " Failed to configure SPAN with source SpanFL3out due to Source vVlConn not available" .	5.0(2e) and later
<a href="#">CSCvu18502</a>	The Layer 3 health group destination has both the old and new entry after a service bridge domain is moved from one VRF table to another VRF table.	5.0(2e) and later
<a href="#">CSCvu76494</a>	User is logged into one tab and is trying to log in to another one using same credentials. Login page will show for less than a minute and then user will get redirected to main page.	5.0(2e) and later
<a href="#">CSCvw69692</a>	If a service graph gets attached to the inter-VRF contract after it was already attached to the intra-VRF contract, the ptag for the shadow EPG gets reprogrammed with a global value. The zoning-rule entries that matched the previous ptag as the source and EPG1 and EPG2 as the destination do not get reprogrammed and they remain in a stale status in the table.  Traffic between EPG1 and EPG2 gets broken as the packets flowing from the PBR get classified with the new global ptag.	5.0(2e) and later
<a href="#">CSCvx10921</a>	A standby APIC disappears from the GUI after cluster convergence.	5.0(2e) and later

## Resolved Issues

Bug ID	Description	Exists in
<a href="#">CSCvy17504</a>	When the OpFlexAgent moved from one vPC pair leaf switches to a new vPC pair, it may take up to 20 minutes for the OpFlexAgent detected the movement, and reconnect the OpFlex channel. Ideally, this should be completed within a few seconds.	5.0(2e) and later
<a href="#">CSCwa58709</a>	The GIPo address is only visible on APIC 1 when using the command " cat /data/data_admin/sam_exported.config". The command output from the other APICs outputs do not show the GIPo address.	5.0(2e) and later
<a href="#">CSCwh98712</a>	When running " show running-config" from API CLI, the command takes several minutes to complete. Several thousand API requests are seen in access.log querying ptpRsProfile on every static path.	5.0(2e) and later
<a href="#">CSCwi01316</a>	In the following topology:  Tenant 1:  VRF 1 > EPG A, EPG B. There is an any-to-any Intra VRF instance contract and EPG A and B are providers for an inter-VRF instance contract.  VRF 2 > L3Out or EPG. The VRF instance consumes the inter-VRF instance contract.  Traffic will unexpectedly get sent to the wrong rule when inter-VRF instance traffic is flowing.	5.0(2e) and later

## Resolved Issues

Click the bug ID to access the [Bug Search Tool](#) and see additional information about the bug. The " Fixed In" column of the table specifies whether the bug was resolved in the base release or a patch release.

Bug ID	Description	Fixed in
<a href="#">CSCvu69651</a>	VMM floating L3Out basic functionality does not work. The L3Out port group on a VMware vCenter does not match the configuration in the Cisco APIC. For example, there can be a VLAN mismatch.  Cisco APIC visore will show missing compEpPConn, and the port-group's hvsExtPol managed object will not form hvsRsEpPD to the L3Out compEpPD.	5.0(2e) and later

## Known Issues

Click the Bug ID to access the [Bug Search Tool](#) and see additional information about the bug. The " Exists In" column of the table specifies the 5.0(2) releases in which the known behavior exists. A bug might also exist in releases other than the 5.0(2) releases.

Bug ID	Description	Exists in
<a href="#">CSCvj26666</a>	The " show run leaf spine <nodeId>" command might produce an error for scaled up configurations.	5.0(2e) and later

## Known Issues

Bug ID	Description	Exists in
<a href="#">CSCvj90385</a>	With a uniform distribution of EPs and traffic flows, a fabric module in slot 25 sometimes reports far less than 50% of the traffic compared to the traffic on fabric modules in non-FM25 slots.	5.0(2e) and later
<a href="#">CSCvq39764</a>	When you click Restart for the Microsoft System Center Virtual Machine Manager (SCVMM) agent on a scaled-out setup, the service may stop. You can restart the agent by clicking Start.	5.0(2e) and later
<a href="#">CSCvq58953</a>	One of the following symptoms occurs: <ul style="list-style-type: none"> <li>■ App installation/enable/disable takes a long time and does not complete.</li> <li>■ Nomad leadership is lost. The output of the acidiag scheduler logs members command contains the following error:  Error querying node status: Unexpected response code: 500 (rpc error: No cluster leader)</li> </ul>	5.0(2e) and later
<a href="#">CSCvr89603</a>	The CRC and stomped CRC error values do not match when seen from the APIC CLI compared to the APIC GUI. This is expected behavior. The GUI values are from the history data, whereas the CLI values are from the current data.	5.0(2e) and later
<a href="#">CSCvs19322</a>	Upgrading Cisco APIC from a 3.x release to a 4.x release causes Smart Licensing to lose its registration. Registering Smart Licensing again will clear the fault.	5.0(2e) and later
<a href="#">CSCvs77929</a>	In the 4.x and later releases, if a firmware policy is created with different name than the maintenance policy, the firmware policy will be deleted and a new firmware policy gets created with the same name, which causes the upgrade process to fail.	5.0(2e) and later
<a href="#">CSCvs92309</a>	A custom QoS policy at the LIF-level configuration is not supported for an MPLS L3Out.	5.0(2e) and later
<a href="#">CSCvt56254</a>	Stats that should update every 15 minutes instead get updated after between 15 minutes and 20 minutes.	5.0(2e) and later
<a href="#">CSCvt85167</a>	A Service graph that has service EPGs with vzAny as the consumer and provider gets the Global PCTag with EPGs/ESGs.	5.0(2e) and later

## Known Issues

Bug ID	Description	Exists in
<a href="#">CSCv55353</a>	<p>When you use VMware vMotion to move a virtual machine (VM) behind a VMware distributed virtual switch (DVS), traffic is interrupted from several seconds to several minutes. The interruption can last up to 15 minutes—the default local endpoint retention interval. The interruption occurs when both of the following two cases are true:</p> <ul style="list-style-type: none"> <li>■ When virtual switches use only Reverse Address Resolution Protocol (RARP) to indicate VM moves</li> <li>■ When a bridge domain is associated with a First Hop Security (FHS) policy that has the IP Inspection enabled</li> </ul> <p>To work around the issue, disassociate the FHS policy from the bridge domain or change the policy to one in which IP inspection is disabled.</p>	5.0(2e) and later
N/A	<p>Beginning in Cisco APIC release 4.1(1), the IP SLA monitor policy validates the IP SLA port value. Because of the validation, when TCP is configured as the IP SLA type, Cisco APIC no longer accepts an IP SLA port value of 0, which was allowed in previous releases. An IP SLA monitor policy from a previous release that has an IP SLA port value of 0 becomes invalid if the Cisco APIC is upgraded to release 4.1(1) or later. This results in a failure for the configuration import or snapshot rollback.</p> <p>The workaround is to configure a non-zero IP SLA port value before upgrading the Cisco APIC, and use the snapshot and configuration export that was taken after the IP SLA port change.</p>	5.0(2e) and later
N/A	<p>If you use the REST API to upgrade an app, you must create a new firmware.OSource to be able to download a new app image.</p>	5.0(2e) and later
N/A	<p>In a multipod configuration, before you make any changes to a spine switch, ensure that there is at least one operationally "up" external link that is participating in the multipod topology. Failure to do so could bring down the multipod connectivity. For more information about multipod, see the Cisco Application Centric Infrastructure Fundamentals document and the Cisco APIC Getting Started Guide.</p>	5.0(2e) and later
N/A	<p>With a non-english SCVMM 2012 R2 or SCVMM 2016 setup and where the virtual machine names are specified in non-english characters, if the host is removed and re-added to the host group, the GUID for all the virtual machines under that host changes. Therefore, if a user has created a micro segmentation endpoint group using "VM name" attribute specifying the GUID of respective virtual machine, then that micro segmentation endpoint group will not work if the host (hosting the virtual machines) is removed and re-added to the host group, as the GUID for all the virtual machines would have changed. This does not happen if the virtual name has name specified in all english characters.</p>	5.0(2e) and later
N/A	<p>A query of a configurable policy that does not have a subscription goes to the policy distributor. However, a query of a configurable policy that has a subscription goes to the policy manager. As a result, if the policy propagation from the policy distributor to the policy manager takes a prolonged amount of time, then in such cases the query with the subscription might not return the policy simply because it has not reached policy manager yet.</p>	5.0(2e) and later

## Compatibility Information

Bug ID	Description	Exists in
N/A	When there are silent hosts across sites, ARP glean messages might not be forwarded to remote sites if a leaf switch without -EX or a later designation in the product ID happens to be in the transit path and the VRF is deployed on that leaf switch, the switch does not forward the ARP glean packet back into the fabric to reach the remote site. This issue is specific to transit leaf switches without -EX or a later designation in the product ID and does not affect leaf switches that have -EX or a later designation in the product ID. This issue breaks the capability of discovering silent hosts.	5.0(2e) and later
N/A	Typically, faults are generally raised based on the presence of the BGP route target profile under the VRF table. However, if a BGP route target profile is configured without actual route targets (that is, the profile has empty policies), a fault will not be raised in this situation.	5.0(2e) and later
N/A	MPLS interface statistics shown in a switch's CLI get cleared after an admin or operational down event.	5.0(2e) and later
N/A	MPLS interface statistics in a switch's CLI are reported every 10 seconds. If, for example, an interface goes down 3 seconds after the collection of the statistics, the CLI reports only 3 seconds of the statistics and clears all of the other statistics.	5.0(2e) and later

## Compatibility Information

## Virtualization Compatibility Information

This section lists virtualization compatibility information for the Cisco APIC software.

- For a table that shows the supported virtualization products, see the [ACI Virtualization Compatibility Matrix](#).
- For information about Cisco APIC compatibility with Cisco UCS Director, see the appropriate [Cisco UCS Director Compatibility Matrix](#) document.
- This release supports the following additional virtualization products:

Product	Supported Release	Information Location
Microsoft Hyper-V	<ul style="list-style-type: none"> <li>■ SCVMM 2019 RTM (Build 10.19.1013.0) or newer</li> <li>■ SCVMM 2016 RTM (Build 4.0.1662.0) or newer</li> <li>■ SCVMM 2012 R2 with Update Rollup 9 (Build 3.2.8145.0) or newer</li> </ul>	N/A
VMM Integration and VMware Distributed Virtual Switch (DVS)	6.5, 6.7, and 7.0	<a href="#">Cisco ACI Virtualization Guide, Release 5.0(x)</a>



## Hardware Compatibility Information

This release supports the following Cisco APIC servers:

Product ID	Description
APIC-L1	Cisco APIC with large CPU, hard drive, and memory configurations (more than 1000 edge ports)
APIC-L2	Cisco APIC with large CPU, hard drive, and memory configurations (more than 1000 edge ports)
APIC-L3	Cisco APIC with large CPU, hard drive, and memory configurations (more than 1200 edge ports)
APIC-M1	Cisco APIC with medium-size CPU, hard drive, and memory configurations (up to 1000 edge ports)
APIC-M2	Cisco APIC with medium-size CPU, hard drive, and memory configurations (up to 1000 edge ports)
APIC-M3	Cisco APIC with medium-size CPU, hard drive, and memory configurations (up to 1200 edge ports)

The following list includes general hardware compatibility information:

- For the supported hardware, see the [Cisco Nexus 9000 ACI-Mode Switches Release Notes, Release 15.0\(2\)](#).
- Contracts using matchDscp filters are only supported on switches with "EX" on the end of the switch name. For example, N9K-93108TC-EX.
- When the fabric node switch (spine or leaf) is out-of-fabric, the environmental sensor values, such as Current Temperature, Power Draw, and Power Consumption, might be reported as "N/A." A status might be reported as "Normal" even when the Current Temperature is "N/A."
- First generation switches (switches without -EX, -FX, -GX, or a later suffix in the product ID) do not support Contract filters with match type "IPv4" or "IPv6." Only match type "IP" is supported. Because of this, a contract will match both IPv4 and IPv6 traffic when the match type of "IP" is used.

The following table provides compatibility information for specific hardware:

Hardware	Information
Cisco UCS M3/L3-based Cisco APIC	In this release, the Cisco APIC M3/L3 server does not support the UCSC-PCIE-IQ10GC Intel X710 Quad Port 10GBase-T network interface card.
Cisco UCS M4-based Cisco APIC	The Cisco UCS M4-based Cisco APIC and previous versions support only the 10G interface. Connecting the Cisco APIC to the Cisco ACI fabric requires a same speed interface on the Cisco ACI leaf switch. You cannot connect the Cisco APIC directly to the Cisco N9332PQ ACI leaf switch, unless you use a 40G to 10G converter (part number CVR-QSFP-SFP10G), in which case the port on the Cisco N9332PQ switch auto-negotiates to 10G without requiring any manual configuration.

Hardware	Information
Cisco UCS M5-based Cisco APIC	The Cisco UCS M5-based Cisco APIC supports dual speed 10G and 25G interfaces. Connecting the Cisco APIC to the Cisco ACI fabric requires a same speed interface on the Cisco ACI leaf switch. You cannot connect the Cisco APIC directly to the Cisco N9332PQ ACI leaf switch, unless you use a 40G to 10G converter (part number CVR-QSFP-SFP10G), in which case the port on the Cisco N9332PQ switch auto-negotiates to 10G without requiring any manual configuration.
N2348UPQ	To connect the N2348UPQ to Cisco ACI leaf switches, the following options are available: <ul style="list-style-type: none"> <li>■ Directly connect the 40G FEX ports on the N2348UPQ to the 40G switch ports on the Cisco ACI leaf switches</li> <li>■ Break out the 40G FEX ports on the N2348UPQ to 4x10G ports and connect to the 10G ports on all other Cisco ACI leaf switches.</li> </ul> <p><b>Note:</b> A fabric uplink port cannot be used as a FEX fabric port.</p>
N9K-C9348GC-FXP	This switch does not read SPROM information if the PSU is in a shut state. You might see an empty string in the Cisco APIC output.
N9K-C9364C-FX	Ports 49-64 do not support 1G SFPs with QSA.
N9K-C9508-FM-E	The Cisco N9K-C9508-FM-E2 and N9K-C9508-FM-E fabric modules in the mixed mode configuration are not supported on the same spine switch.
N9K-C9508-FM-E2	The Cisco N9K-C9508-FM-E2 and N9K-C9508-FM-E fabric modules in the mixed mode configuration are not supported on the same spine switch.  The locator LED enable/disable feature is supported in the GUI and not supported in the Cisco ACI NX-OS switch CLI.
N9K-C9508-FM-E2	This fabric module must be physically removed before downgrading to releases earlier than Cisco APIC 3.0(2).
N9K-X9736C-FX	The locator LED enable/disable feature is supported in the GUI and not supported in the Cisco ACI NX-OS Switch CLI.
N9K-X9736C-FX	Ports 29 to 36 do not support 1G SFPs with QSA.

## Adaptive Security Appliance (ASA) Compatibility Information

This section lists ASA compatibility information for the Cisco APIC software.

- This release supports Adaptive Security Appliance (ASA) device package version 1.2.5.5 or later.
- If you are running a Cisco Adaptive Security Virtual Appliance (ASA) version that is prior to version 9.3(2), you must configure SSL encryption as follows:

```
(config)# ssl encryption aes128-sha1
```

## Miscellaneous Compatibility Information

This release supports the following products:

Product	Supported Release
Cisco NX-OS	15.0(2)
Cisco AVS	5.2(1)SV3(4.10)  For more information about the supported AVS releases, see the AVS software compatibility information in the <a href="#">Cisco AVS Release Notes, Release 5.2(1)SV3(4.10)</a> .
Cisco UCS Manager	2.2(1c) or later is required for the Cisco UCS Fabric Interconnect and other components, including the BIOS, CIMC, and the adapter

Compatibility Information

Product	Supported Release
CIMC HUU ISO	<ul style="list-style-type: none"> <li>■ 4.2(3j) CIMC HUU ISO (recommended) for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.2(3e) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.2(3b) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.2(2a) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.1(3m) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.1(3f) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.1(3d) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.1(3c) CIMC HUU ISO for UCS C220/C240 M5 (APIC-L3/M3)</li> <li>■ 4.1(2k) CIMC HUU ISO (recommended) for UCS C220/C240 M4 (APIC-L2/M2)</li> <li>■ 4.1(2g) CIMC HUU ISO for UCS C220/C240 M4 (APIC-L2/M2)</li> <li>■ 4.1(2b) CIMC HUU ISO for UCS C220/C240 M4 (APIC-L2/M2)</li> <li>■ 4.1(1g) CIMC HUU ISO for UCS C220/C240 M4 (APIC-L2/M2) and M5 (APIC-L3/M3)</li> <li>■ 4.1(1f) CIMC HUU ISO for UCS C220 M4 (APIC-L2/M2) (deferred release)</li> <li>■ 4.1(1d) CIMC HUU ISO for UCS C220 M5 (APIC-L3/M3)</li> <li>■ 4.1(1c) CIMC HUU ISO for UCS C220 M4 (APIC-L2/M2)</li> <li>■ 4.0(4e) CIMC HUU ISO for UCS C220 M5 (APIC-L3/M3)</li> <li>■ 4.0(2g) CIMC HUU ISO for UCS C220/C240 M4 and M5 (APIC-L2/M2 and APIC-L3/M3)</li> <li>■ 4.0(1a) CIMC HUU ISO for UCS C220 M5 (APIC-L3/M3)</li> <li>■ 3.0(4l) CIMC HUU ISO (recommended) for UCS C220/C240 M3 (APIC-L1/M1)</li> <li>■ 3.0(4d) CIMC HUU ISO for UCS C220/C240 M3 and M4 (APIC-L1/M1 and APIC-L2/M2)</li> <li>■ 3.0(3f) CIMC HUU ISO for UCS C220/C240 M4 (APIC-L2/M2)</li> <li>■ 3.0(3e) CIMC HUU ISO for UCS C220/C240 M3 (APIC-L1/M1)</li> <li>■ 2.0(13i) CIMC HUU ISO</li> <li>■ 2.0(9c) CIMC HUU ISO</li> <li>■ 2.0(3i) CIMC HUU ISO</li> </ul>

## Related Content

Product	Supported Release
Network Insights Base, Network Insights Advisor, and Network Insights for Resources	For the release information, documentation, and download links, see the <a href="#">Cisco Network Insights for Data Center</a> page.  For the supported releases, see the <a href="#">Cisco Day-2 Operations Apps Support Matrix</a> .

- This release supports the partner packages specified in the [L4-L7 Compatibility List Solution Overview](#) document.
- A known issue exists with the Safari browser and unsigned certificates, which applies when connecting to the Cisco APIC GUI. For more information, see the [Cisco APIC Getting Started Guide, Release 5.0\(x\)](#).
- For compatibility with Day-2 Operations apps, see the [Cisco Day-2 Operations Apps Support Matrix](#).
- Cisco Nexus Dashboard Insights creates a user in Cisco APIC called cisco\_SN\_NI. This user is used when Nexus Dashboard Insights needs to make any changes or query any information from the Cisco APIC. In the Cisco APIC, navigate to the Audit Logs tab of the System > History page. The cisco\_SN\_NI user is displayed in the User column.

## Related Content

See the [Cisco Application Policy Infrastructure Controller \(APIC\)](#) page for the documentation.

You can watch videos that demonstrate how to perform specific tasks in the Cisco APIC on the [Cisco ACI YouTube channel](#).

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The documentation includes installation, upgrade, configuration, programming, and troubleshooting guides, technical references, release notes, and knowledge base (KB) articles, as well as other documentation. KB articles provide information about a specific use case or a specific topic.

By using the "Choose a topic" and "Choose a document type" fields of the APIC documentation website, you can narrow down the displayed documentation list to make it easier to find the desired document.

The following table provides links to the release notes, verified scalability documentation, and new documentation:

Document	Description
<a href="#">Cisco ACI Virtual Edge Release Notes, Release 3.0(2b)</a>	The release notes for Cisco ACI Virtual Edge.
<a href="#">Cisco Application Centric Infrastructure Simulator Release Notes, Release 5.0(2)</a>	The release notes for the Cisco ACI Simulator.
<a href="#">Cisco Nexus 9000 ACI-Mode Switches Release Notes, Release 15.0(2)</a>	The release notes for Cisco NX-OS for Cisco Nexus 9000 Series ACI-Mode Switches.

<p><a href="#">Verified Scalability Guide for Cisco APIC, Release 5.0(1), Multi-Site, Release 3.0(1), and Cisco Nexus 9000 Series ACI-Mode Switches, Release 15.0(1)</a></p>	<p>This guide contains the maximum verified scalability limits for Cisco Application Centric Infrastructure (ACI) parameters for Cisco APIC, Cisco ACI Multi-Site, and Cisco Nexus 9000 Series ACI-Mode Switches.</p> <p>Note: The 5.0(1) document also applies to this release.</p>
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## Documentation Feedback

To provide technical feedback on this document, or to report an error or omission, send your comments to [apic-docfeedback@cisco.com](mailto:apic-docfeedback@cisco.com). We appreciate your feedback.

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