Software Deferral Notice

Dear Cisco Customer,

A software issue has been identified with Cisco APIC Releases 2.2(1n) / 12.2(1n), 2.1(1h) / 12.1(1h), 2.0(1m) / 12.0(1m), and 2.0(2m) / 12.0(2m) that may affect your use of this software. As a result, this release has been deferred. The deferred image is no longer available for download. Customers are urged to upgrade to new Cisco APIC Releases 2.2(1o) / 12.2(1o) or later images. See the Software Affected/Solution table that follows for the list of affected images and solution images.

For additional information about what is included in this software, please refer to:

- Cisco Application Policy Infrastructure Controller, Release 2.2(1o), Release Notes, available from the Cisco APIC documentation page
- Cisco NX-OS Release 12.2(1o) Release Notes for Cisco Nexus 9000 Series ACI-Mode Switches, Release Notes, available from the Cisco Nexus 9000 Series Release Notes page

Affected Software and Replacement Solution

Table of Affected Software and Replacement Solution

OS Type	Software Affected		Software Solution		Availability (mm/dd/yyy)
	Versions	Software	Versions	Software	
Cisco ACI	2.2(1n),	Cisco APIC	2.2(1o)	Cisco APIC	03/10/2017
	2.1(1h)		2.1(2e)		02/17/2017
	2.0(1m) 2.0(2m)		2.0(2n)		03/30/2017
Cisco NX-OS	12.2(1n)	Cisco ACI-Mode Switch	12.2(1o)	Cisco ACI-Mode Switch	03/10/2017
	12.1(1h)		12.1(2e)		02/17/2017
	12.0(1m) 12.0(2m)		12.0(2n)		03/30/2017

Affected Platforms

All current APIC controller models (APIC-M1, APIC-M2, APIC-L1, APIC-L2, APIC-CLUSTER-M1, APIC-CLUSTER-L1, APIC-CLUSTER-M2, APIC-CLUSTER-L2).

Reason for Deferral

DDTS No(s): CSCvb08670

Duplicate TEP IP address is assigned to nodes.

Problem Description

This image has an issue where customers can have duplicate TEP IP if they add nodes (Leaf or Spines) after some of the existing nodes reload.

Cause

When a node that is currently part of the fabric reloads and comes back up, it sends a DHCP Request. The DHCP server on the APIC erroneously releases the existing lease and marks that IP address as free. Subsequently, if a new node is introduced into the fabric, there is a possibility that the same TEP IP may be allocated to it.

Workaround

The workaround is to decommission and erase all the nodes that have duplicate TEP IPs assigned to them. Afterwards all the APICs need to be decommissioned and re-commissioned one at a time (after making sure that the cluster is converged again). This has to be done one APIC node at a time and it is required after each impacted node is decommissioned. This will remove the possibility for further duplicate TEP IP assignment from the existing DHCP pools. APIC will create new pools to allocate the TEP IPs for any new nodes introduced into the fabric.

Disclaimer

In order to increase network availability, Cisco recommends that you upgrade affected images with the suggested replacement software images. Cisco will discontinue manufacturing shipment of affected images. Any pending order will be substituted by the replacement software images.

PLEASE BE AWARE THAT FAILURE TO UPGRADE THE AFFECTED SOFTWARE MAY RESULT IN NETWORK DOWNTIME.

The terms and conditions that governed your rights and obligations and those of Cisco, with respect to the deferred software will apply to the replacement software.