Troubleshoot Inconsistent LINA Hostname Synchronization Between FTD Failover Units after Software Upgrade

Issue

After the software upgrade on Secure Firewall Threat Defense (FTD) in high-availability (HA) configuration, these symptoms are observed:

1. The Lina hostname does not match the expert mode hostname that was previously configured using the **configure** CLISH command, which in this article is referred to as the **system hostname**. The Lina hostname matches the syste **2** has the **FPR1100-1** as the Lina hostname:

```
<#root>

>

show network

===============[ System Information ]===============

Hostname                  : FPR1100-2

<----- system hostname
Domains                   : example.net
…
>

show running-config hostname
hostname FPR1100-1

<--- Lina hostname is different than the system hostname
```

Peer unit:

```
<#root>

>

show network

===============[ System Information ]===============
```

```
Hostname                  : FPR1100-1

<----- system hostname
Domains                   : example.net
…
>

show running-config hostname
hostname FPR1100-1

 <--- Lina hostname
```

2. Based on the previous example, depending on the pre-upgrade state of the units, the Lina hostname changes as follows:

2. 1 - Scenario 1

- Pre-upgrade state: unit with the system hostname **FPR1100-1** is primary/active, and **FPR1100-2** is secondary/standby.
- Post-upgrade state: Lina hostname on both units is **FPR1100-1.**

2.2 - Scenario 2

- Pre-upgrade state: unit with the system hostname **FPR1100-1** is primary/standby, **FPR1100-2** is secondary/active.
- Post-upgrade state: Lina hostname on both units is **FPR1100-2.**

Additionally, polling the hostnames of each HA peer using the Simple Network Monitoring Protocol (SNMP) Objec returns the same value.

For example:

```
<#root>

#

snmpget -On -v2c -c cisco 192.0.2.1 .1.3.6.1.2.1.1.5.0

.1.3.6.1.2.1.1.5.0 = STRING:

FPR1100-1
```

```
<#root>
```

```
#

snmpget -On -v2c -c cisco 192.0.2.2 .1.3.6.1.2.1.1.5.0

.1.3.6.1.2.1.1.5.0 = STRING:

FPR1100-1
```

Environment

Requirements

Basic product knowledge.

Components Used

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

The information in this document is based on these software and hardware versions:

- FMC-managed Firepower 4112 running FTD in HA. Other hardware platforms are also affected.
- First seen after the software upgrade from version 7.6.2.1 to 7.6.4. Other versions can also be affected.
- FTD peers in HA are configured with a custom and different system hostnames using the CLISH **configure ne** command.

Resolution

The symptoms are reproduced and documented in Cisco bug ID CSCwt25171.

If the intention is to keep Lina hostname synchronized with the hostname in the output of the **show network** command, then there are 2 known workaround options:

1. On the affected peer re-

configure the desired hostname using the **configure network hostname** command. This command configures the sy

2. Reboot the affected unit. Note that depending on the environment, configuration, and traffic flow reboot action ca

Cause

The symptoms documented in Cisco bug ID CSCwt25171.

Related Content

The hostname is not synced from active to standby unit if any of these
is true but unless one of these FTD exceptions occurs:

1. FTD is in failover configuration, and on standby unit the user configures a different hostname using the CLISH co

2. If initially-
bootstrapped standalone units are configured with different hostnames using the CLISH command **configure netwo**

3. If on standalone units (could be initially standalone or after breaking failover) firewall mode is changed, different
command, and failover is configured.

4. After the changes in #1-
3, synchronization occurs if HA is suspended and resumed, or the standby unit reboots, or the standby unit is upgrad

Exceptions

The hostname synchronized if any of these is true:

1. In the
case #3, the difference between units' configurations is other than hostname. In other words, if along with hostname

2. Standby unit is upgraded to major version (except virtual FTD, that
is even with an upgrade to a major version on virtual FTDs hostnames are not synchronized).

3. HA is suspended, configuration is changed on active unit (for example, via policy deployment) and failover is resu