ANTlabs
Connectivity Made Easy

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ANT*labs* Gateway Patch Procedures in HA setup

Applicable models:
IG4

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Prerequisites

Steps in this document are intended for up and running HA setup environment. HA failover and failback have been tested and verified to avoid unplanned service disruption.

Web GUI configuration backup

1. Login to WebGUI with administrator account
2. Navigate to Maintenance>System>Backup
3. Download configuration file to your local PC

Patch procedure

For the HA system, we are going to patch the ID 1(Master) with all outstanding patches. After successfully patch the ID1 system, we will proceed to patch ID2.

Patch of ID1 (Master system)

1. Login to WebGUI with administrator account
   ID1 is preferred Master. You can verify system ID at System > Settings > High Availability
2. Navigate to System > Update
3. Check for Updates and apply outstanding patches
   Note:
   Some patches require to automatically reboot or recommended to reboot the system.
   If we are patching multiple patches and one of the patches requires to automatically reboot, ID2 will become Master when ID1 is rebooting. You have to wait about 7 mins for ID1 system to come up and continue patch with next patch.
   You can verify system ID at System > Settings > High Availability to make sure that ID1 comes back.

Patch for ID2 (Slave system)

1. Navigate to System > Settings > High Availability
2. Activate Fail-Over to ID2
   Note: This step need to repeat whenever patch automatically reboot the system because ID1 is always preferred master in the cluster
3. Check for Updates and apply outstanding patches
4. All outstanding patches are applied at ID2, reboot the system

Sample calculation for maintenance hour

It takes about 3 minutes to reboot the system. In order to save maintenance time, you can download all outstanding patches before actual maintenance day.
For example, you are applying 4 outstanding patches:

- 1 system patches (auto reboot)
- 1 patch (recommended reboot)
- 2 other patches which do not required reboot
  Assume that they are in this order

First patch – 5 mins
Other three patches – 7 mins

Approximately, 12 mins x 2 (ID1 and ID2) = 24 mins

Other recommendations

For example, you are applying 3 outstanding patches:

- 1 patch (recommended reboot)
- 2 other patches which do not require reboot
  Assume that they are in this order

You should patch all three patches and reboot the system at the end. For the normal standalone system, it is not much difference. For the HA setup, it saves one failover event and reduces maintenance window.