# Upgrading Procedures

The section includes the following topics:


- Upgrade Process for a vPC Topology on the Primary Switch, on page 1
- Upgrade Process for a vPC Topology on the Secondary Switch, on page 2


# Upgrade Process for a vPC Topology on the Primary Switch

The following list summarizes the upgrade process on a primary switch in a vPC topology. Steps that differ from a switch upgrade in a non-vPC topology are in bold.

**Note** In vPC topologies, the two peer switches must be upgraded individually. An upgrade on one peer switch does not automatically update the vPC peer switch.

**Procedure**

| | |
|---|---|
| **Step 1** | **The install all command issued on the vPC primary switch triggers the installation upgrade.** |
| **Step 2** | The compatibility checks display the impact of the upgrade. |
| **Step 3** | The installation proceeds or not based on the upgrade impact. |
| **Step 4** | **The configuration is locked on both vPC peer switches.** |
| **Step 5** | The current state is saved. |
| **Step 6** | The system unloads and runs the new image. |
| **Step 7** | The stateful restart of the system software and application occurs. |
| **Step 8** | The installer resumes with the new image. |
| **Step 9** | The FEXs are upgraded sequentially. |
| **Step 10** | The installation is complete. |

### What to do next

When the installation is complete, the vPC primary switch and the FEXs that are connected to the primary switch are upgraded. The single-homed FEXs and the dual-homed FEXs are now running the upgraded software.

**Note** The dual-homed FEXs are now connected to the primary and secondary switches that are running two different versions of the Cisco NX-OS software. The vPC primary switch is running the upgraded version and the vPC secondary switch is running the original software version.

# Upgrade Process for a vPC Topology on the Secondary Switch

The following list summarizes the upgrade process on a secondary switch in a vPC topology. Steps that differ from a switch upgrade in a non-vPC topology are in bold.

### Procedure

**Step 1** **The install all command issued on the vPC second switch triggers the installation upgrade.**

**Step 2** The compatibility checks display the impact of the upgrade.

**Step 3** The installation proceeds or not based on the upgrade impact.

**Step 4** The current state is saved.

**Step 5** The system unloads and runs the new image.

**Step 6** The stateful restart of the system software and application occurs.

**Step 7** The installer resumes with the new image.

**Step 8** **The FEXs are upgraded sequentially. The upgrade completes on the single-homed FEXs and a sanity check is performed on the dual-homed FEXs.**

**Note** The dual-homed FEXs were upgraded by the primary switch.

**Step 9** **The configuration is unlocked on the primary and secondary switches.**

**Step 10** The installation is complete.