



## Lightweight Upgrade

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- [About Lightweight Upgrade, page 1](#)
- [About Service Packs , page 1](#)

## About Lightweight Upgrade

Cisco UCS Central 2.0 introduces a Lightweight upgrade that enhances Cisco UCS Manager firmware upgrade and delivers security updates through service packs. Service packs are specific and cumulative to a maintenance release. Cisco UCS Central supports firmware upgrades through service packs for Cisco UCS Manager versions 3.1(3) and later.

- Lightweight upgrade enhances firmware upgrade in the following ways:
  - The firmware version of a component will be updated only if it has been modified.
  - Security updates will be provided through service packs.
  - Within a service pack, updates may only apply to certain components. These components may, at times, be upgraded without an endpoint reboot.
  - Infrastructure and server components updates are delivered through a common service pack bundle. For servers components, only the modified firmware images will be part of the service pack bundle.

## About Service Packs

Service packs are patches that you can use to apply security updates to Cisco UCS Manager infrastructure and server components. Service packs are specific to a base release. A service pack is provided as a single bundle for infrastructure and server components.

The following guidelines apply to service pack versions:

- A service pack can be applied only on its base bundle. You cannot install the service pack independently. For example, service pack 3.1(3)SP2 can be applied only on a 3.1(3) release. It is not compatible with a 3.1(4) or later release.

- Service packs are cumulative. You can use the latest service pack version with any patch version within the same maintenance release. For example, 3.1(3)SP3 will contain all the fixes that went into 3.1(3)SP2 and 3.1(3)SP1. You can apply 3.1(3)SP3 on any 3.1(3) release.
- Service pack version numbering in separate maintenance releases are unrelated. For example, service packs 3.1(3)SP2 and 3.1(4)SP2 are separate and unrelated.
- The same fix can be made available for separate maintenance releases through separate service packs. For example, the same fix can be made available in 3.1(3)SP2 and 3.1(4)SP3.
- You cannot downgrade service packs to versions below the default service pack version for a maintenance release. For example:
  - Base Bundle Version: 3.1(3b)
  - Default Service Pack Version: 3.1(3)SP2(Default)
  - Running Service Pack Version: 3.1(3)SP3
  - Service pack cannot be downgraded below 3.1(3)SP2
- When an upgrade or downgrade of a service pack fails, the default service pack version for that maintenance release becomes the running service pack version.
- You can roll back a service pack that was applied to a base release by removing the service pack selection.

The following table lists the Cisco UCS Manager release versions and the running version deployed in different situations when a service pack is applied:

Update Scenario	Bundle Version	Service Pack Version
Update to a service pack within the same maintenance release	No change is made to the bundle version	Service pack is updated to the specified version
Remove Service Pack	No change is made to the bundle version	Service pack is the default version that comes with the bundle
Update base bundle to another maintenance release	Base bundle changes to the version of the specified maintenance release	Current service pack is removed and is updated to the default version for the base bundle
Update to another maintenance release, and service pack	Base bundle changes to the version of the specified maintenance release	Service pack is updated to the specified version

For more information about selecting the compatible service packs for a firmware upgrade, see *Host Firmware Package Policy*, *Scheduling Firmware Infrastructure Update*, and *Chassis Firmware Package Policy*.