

# OneFS patch infrastructure update

Summary: OneFS patch infrastructure update

## Article Content

### What is this?

This is a patch infrastructure update.

### How does this patch infrastructure update make my life easier?

This update improves the patch infrastructure by allowing newer rollup patches to be installed on top of existing rollup patches, instead of uninstalling the older ones first. This will eliminate the need for multiple reboots and service restarts.

This functionality is only available in situations where the new patch fully deprecates a previous patch. Deprecates, in this case, meaning that the new patch contains every fix that was in the previous patch.

### Prerequisites

Patches 255624 and 251917 are a prerequisite for all rollup (RUP) patches in OneFS for 8.1.2 and 8.2.0, respectively, after the applicable timeframe in the table below. If you attempt to install a new rollup patch on a system that does not have this update already installed, an error will return.

### Postrequisites

This update cannot be removed until all other patches are removed.

### Available updates

This table contains the applicable OneFS versions, links and anticipated release dates for this update:

OneFS version	Patch ID	Date for release
OneFS 9.0.0	Patch-PSP-53*	July 13, 2020
OneFS 8.2.2	Patch-265554*	March 13, 2020
	Patch-274207*	June 03, 2020
OneFS 8.2.1	Patch-263088*	January 02, 2020
	Patch-267223*	February 28, 2020
OneFS 8.2.0	<a href="#">Patch-251917</a>	August 09, 2019
	Patch-263084*	January 02, 2020
OneFS 8.1.2.0	<a href="#">Patch-255624</a>	September 20, 2019
	<a href="#">Patch PSP-268</a>	August 18, 2020

\* These patches are only needed in pre-patched OneFS installation files and they come pre-installed. There is no need to install them manually.

**Notes:** With this update, any conflicting patches must still be uninstalled manually.

The patch infrastructure update is not being planned for OneFS 8.1.0.x.

You can confirm the patch is installed by running the `isi upgrade patches list` command.

All updates will have PATCH-INFRA in the patch s filename, for example:

`8.2.0_UGA-PATCH-INFRA_2019-06_251917.pkg`

Cause

NA

Resolution

Troubleshooting

Scenario 1:

If you attempted to install a new RUP on a system that did not have the patch infrastructure update installed, OneFS will log an error similar to the following on the console:

Error: Incomplete REST response on socket 4

Workaround:

Install the patch infrastructure update prior to installing the RUP.

Scenario 2:

If you attempted to install a new RUP for the first time after installing the patch infrastructure update, a message similar to the following will appear on the console:

```
Stack: -----
/lib/libc.so.7:thr_kill+0xa
/lib/libc.so.7:abort+0x49
/usr/lib/libisi_util.so.1:isi_assert_halt+0x80
/usr/lib/libisi_pkg.so:read_patch_from_db+0x58d
/usr/lib/libisi_pkg.so:pkg_action_required+0xd9
/usr/lib/libisi_upgrade.so.1:_ZN10isiUpgrade7Package10isRequiredEi+0x12a
/usr/sbin/isi_upgrade_agent_d:_ZN10isiUpgrade5Agent14populateStatusERN4Json5ValueE+0x4a4
/usr/sbin/isi_upgrade_agent_d:_ZN10isiUpgrade15PersistentState9getStatusENS_7Process5ValueE+0x753
/usr/sbin/isi_upgrade_agent_d:_ZN10isiUpgrade5Agent6StatusERNS_7MessageEPNS_8MetaDataEPNS_8ResponseE+0x181
/usr/lib/libisi_upgrade.so.1:_ZN10isiUpgrade11VerbExecute7executeERNS_7MessageEPNS_8MetaDataEPNS_8ResponseE+0x219
/usr/lib/libisi_upgrade.so.1:_ZN10isiUpgrade9UdpServer14executeMessageEv+0x227
/usr/lib/libisi_upgrade.so.1:_ZN10isiUpgrade9UdpServer10ioCallbackERN2ev2ioEi+0x47c
/usr/local/lib/libev.so.4:ev_invoke_pending+0x6e
/usr/local/lib/libev.so.4:ev_run+0xbd9
/usr/sbin/isi_upgrade_agent_d:main+0x5a3
/usr/sbin/isi_upgrade_agent_d:_start+0x17f
```

----- In addition, the following message will appear in the /var/log/messages log file:

WARNING: After this infrastructure patch is deployed, 'isi\_upgrade\_agent\_d' will be restarted at the first time of installing another patch and will generate a core file, which is a known issue and won't impact patch installation.

Solution:

This is by design for the initial RUP installation following the OneFS patch infrastructure update installation. There are no issues with the 'isi\_upgrade\_agent\_d' daemon/service.

Additional Information

This content is translated in other languages:

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Affected Product

PowerScale OneFS

Product

PowerScale OneFS

Last Published Date

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Version

3

Article Type

Solution