

HP 3PAR InForm OS 2.3.1 MU4 Patch 19 Release Notes

Abstract

These release notes are for Patch 19 (P19), which is intended for application to the HP 3PAR InForm OS 2.3.1.330 (MU4).



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1.1 Supported Platforms

The HP 3PAR Configuration Matrix for InForm OS 2.3.1 contains information about supported hardware and software platforms. To obtain a copy of this documentation, go to the Single Point of Connectivity Knowledge for HP Storage Products (SPOCK) Web site at <http://spock.corp.hp.com/index.aspx>.

1.2 Verifying the Patch Installation

The installation of Patch 19 can be verified from an Interactive CLI session from the SPMAINT. Issue the CLI command `showversion -a -b` to see Patch 19 listed.

```
cli% showversion -a -b
Release version 2.3.1.330 (MU4)
Patches: P19

Component Name          Version
CLI Server              2.3.1.330 (MU4)
CLI Client              2.3.1.330 (MU4)
System Manager         2.3.1.330 (MU4)
...
```

1.3 Components

| Component | Version |
|-----------|-----------------|
| OS | 2.3.1.330 (MU4) |

1.4 Modifications to the InForm OS

The following items have been addressed in this release.

| Bug ID | Component | Version |
|--------|---------------------------------------|---|
| 61125 | Exhausted Remote Port Indicator D_IDs | Each 4Gb Fibre Channel port on the InServ has 511 Remote Port Indicator (RPI) resources. One resource is used when an initiator logs in. When the initiator logs out or gets disconnected, the RPI was not being released. If the initiator logs back in with the same fibre channel D_ID, the same RPI was getting reused, but if it logged in with a different D_ID, the original RPI was lost. After 511 such logins, the resource would be completely exhausted and all further logins would be blocked. This was fixed by releasing the RPI when an initiator logs out or is disconnected. |

1.5 Known Issues with the InForm OS

1.5.1 Error Message When Upgrading to a major InForm OS (Bug 62777)

When upgrading from 2.3.1 MU4 P19 to a major InForm OS release, the following error message will appear:

```
"/lib/modules/2.6.18-prep-3pardata/tpd.ko.text.checksum" is not a core
dump: File format not recognized.
```

Workaround

This error message can safely be ignored and will not affect the upgrade.

1.5.2 Node Rescue and Patch Revert (Bug 62918)

It is a known limitation of the CLI that neither the node rescuing or the patch reverting histories will be displayed and checked. This patch revert is not supported.