

**HPE Data Collection Daemon (DCD)
Release Notes
Version: 1.0-1**



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About this document

This document provides details of the currently supported features, enhancement, installation, patches, bugs fixed across releases (if any), known problems, issues, their workarounds, policy details, and documentation details for Data Collection Daemon (DCD).

Revision History

The following table lists all the details about this document and its release history.

Date	Document version
October 2017	Initial Release
8 th December 2017	Updated for DCD 1.0-1.

Table 1: Revision History

Acknowledgments

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Open source tools

jsoncpp version 1.8.3: <https://github.com/open-source-parsers/jsoncpp>

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Data Collection Daemon (DCD) Release Notes

This document discusses the most recent product information on Data Collection Daemon (DCD) which is supported on HPE Superdome Flex server running Linux operating systems.

Introduction

Data Collection Daemon (DCD) is an agentless service for HPE Mission Critical Superdome Flex Servers. DCD proactively monitors the health of hardware components that are visible to running operating system instance and reports any errors to management firmware running on Rack Management Controller (RMC) of Superdome Flex. The management service running on RMC processes the data and serves it out of band to client applications.

Features Supported

This version of DCD includes the following major features:

- DCD collects inventory data for below listed components:
 - Linux Host Operating System
 - Superdome Flex Base IO Configurations (Intel C600/X79 SATA RAID Controller)
 - SAS/SATA Controller - MegaRAID 9361-4i Controller
 - Physical Drives - Superdome Base Chassis Drives (Internal Only)
 - Fibre Channel Devices
- DCD proactively monitors the health of Host OS, Base IO Card and Drives, SAS/SATA Controllers and Fibre Channel Devices.
- Logging is supported in DCD to log messages at different logging levels.

For more details on supported cards and drives, please refer to HPE Superdome Flex Documentation. For more details on supported inventory and events, please refer to `README` which is part of DCD documents in the `/opt/hpe/dcd/` folder on product installation.

Enhancements and Defect Fixes

The following change was introduced in DCD version 1.0-1:

- 1001608000: Modified DCD install script to allow installation of DCD rpm on HPE x86 server models.

Prerequisites

DCD is packaged as part of HPE Foundation Software (HFS) for HPE Mission Critical Servers and needs HFS ISO image or repo for installing.

Supported Hardware and Software

DCD runs on all hardware models of HPE Superdome Flex Systems.

Release Notes

The Operating Systems on which DCD 1.0-1 is supported are:

- Red Hat - RHEL 7.3-z, RHEL 7.4
- SUSE - SLES 12 SP2, SLES 12 SP3
- Oracle Linux - OL 74 UEK 4U5, OL 74 UEK 4U5 – RHEL kernel

Installation

DCD is packaged and installed as part of HPE Foundation Software (HFS). When you download and install HFS, automatically DCD gets installed and service is automatically started for monitoring your server.

For verifying if DCD is installed and started, please follow below commands on Linux Distributions:

- You can use `rpm -qi hpe-dcd` to verify if DCD is installed.
- The command `rpm -qi hpe-dcd | grep -i version` displays the version number of DCD installed on the system.
- DCD Service details and status can be checked using the following commands:

```
# systemctl status dcd.service
```

dcd.service must be in “Active” running state.

```
# ps -ef | grep dcdExecutive
```

Known Problems and Workarounds

- 1) DCD can only be used with 1.19 (or later) firmware.
- 2) DCD does not provide the Serial Number of the Intel C600/X79 SATA RAID Controller (Base IO) in its system inventory data. This is a known behavior.

Troubleshooting

- If DCD does not get installed when HFS is installed, please refer to HFS Installation Guide and make sure the HFS Repo/ISO contains DCD rpms. For example: `find /path/to/mounted/iso/ -name "*.rpm" | grep -i -e dcd -e storelib`
- If DCD service does not start after successful installation, please refer to DCD logs located at `/opt/hpe/dcd/log/` for any indication of failures.
- If you have a MegaRAID Controller, please ensure StoreLib library rpm is installed. You can verify using: `rpm -qi storelib`

Support Information

You can report defects related to Data Collection Daemon (DCD) by contacting your local Hewlett Packard Enterprise representative.