



# E/OSn

Version 06.05.00

## Release Notes

P/N 958-000429-650 Rev A

5/25/06

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These release notes describe features, code fixes, and other information for E/OSn firmware version 06.05.00.

To improve readability, the remainder of this document refers to E/OSn versions 06.05.00 as version 6.5.

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## Applicable Products

McDATA E/OSn firmware version 6.5, part number 958-000429-650 is supported on the Intrepid™ 10000 Director.

## What's New in this Release

See the [Minor Code Enhancements & Fixes in E/OSn 6.5](#) section for additional details.

## Zoning Capabilities

EFCM includes the ability to configure large zone sets. For information about supported limits for the i10k director, refer to the McDATA Fabric Guidelines located on the McDATA website.

1. Open the McDATA web page (<http://www.mcddata.com>).
2. Click Resource Library.
3. Select *Compatibility Matrix* from the Technical Documents area.
4. Select *McDATA Fabric Guidelines*.

## Prerequisites for Installing and Using E/OSn 6.5

If you are using EFCM applications, E/OSn version 6.5 requires EFCM version 8.7 or later (check with McDATA Customer Support for the latest shipping version of EFCM). EFCM should be at the minimum level before installing the new E/OSn firmware. Note that EFCM is not required, but is recommended for operating hardware products using E/OSn.

Other McDATA products in the same fabric as E/OSn version 6.5 must be at a minimum revision level for proper fabric operation. The minimum firmware levels are listed below, but it is recommended that you upgrade to the latest shipping versions of each release (check with McDATA Customer Support for latest version).

- All E/OS-based products: Minimum version should be 8.x.
- All E/OSn-based products: Minimum version should be 6.1.

Although products may co-exist in a fabric running different levels of E/OSn firmware, all products *must* be at the same major functional release level for optimum fabric stability and robustness.

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**NOTE:** It is highly recommended that 6.3 or higher be installed on all Intrepid i10ks in the fabric.

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E/OSn products (Intrepid i10k director) using Domain/Port zoning in McDATA fabric mode, requires all McDATA switches and directors in the same fabric to be running E/OS 8.x or higher.

# Minor Code Enhancements & Fixes in E/OSn 6.5

E/OSn 6.5 is based on the previous version of 6.4 and contains all fixes included in that version and prior releases. Enhancements and fixes are organized by their problem report number (PR Number).

[Table 3](#) contains all fixes in E/OSn 6.5.

**Table 1      E/OSn 6.5 Minor Code Fixes and Enhancements**

PR Number	Description	Severity
68144	445 and 502 anomolies reported in event log leading to multiple SWM/LIM failures.	High
69851	SWM failure causing LIM's to fail which impacted ISL and ports	High
69979	SWM failure with a 604 event resulting in loss of data paths	High
72421	PLOGI Accept not routed through the fabric resulting in server not connecting to storage	High

## Outstanding Known Issues in E/OSn 6.5

Table 2, page 7 lists the problem reports (PRs) for issues that are known, but not fixed in E/OSn 6.5. Workarounds for and impact of fixes are provided, if applicable. Outstanding known issues are organized by their PR number.

**Table 2 Outstanding Known Issues**

PR Number	Description	Impact
43549	If a port or LIM is beaconing and then assigned to a new partition, the port and LIM remains beaconing. Port and LIM should be initialized to a default state after assigning to new partition. <b>Workaround:</b> Clear beacon manually.	Low
52142	Intermittent event 487 (CTP disengaged) is generated on EFCM during CTP fail over due to critical Process restart. <b>Workaround:</b> None, the event can be ignored.	Low
54242	If both CTPs are moved from one chassis to another, EFCM won't discover i10k. SNMP V3 queries will not succeed. <b>Workaround:</b> This requires Mcdatase privileges: 1. snmp reset 2. system restart	Low
56513	The Counter Threshold Alert config can be deleted when it is on active state. <b>Workaround:</b> Inactivate port before deleting CTAs.	Low
58411	Response to SNMP command connUnitLink will not include any details for port 0. <b>Workaround:</b> Relevant information for port 0 can be retrieved by using the SNMP interface to proprietary bbFspfConnEntry table.	Low

## Standards Compliance

- E/OSn 6.5 is compliant with the following Fibre Channel protocols:
  - FC-FG
  - FC-MI
  - FC-SW
  - FC-SW2
  - FC-FS
  - FCP
  - FCP-2
  - 10GFC
  - FICON
- E/OSn 6.5 is compliant with the *Fibre Channel Element MIB (FE-MIB)*.
- E/OSn 6.5 is compliant with the following MIB-II groups:
  - *System*
  - *Interface*
  - *Address Translation*
  - *IP*
  - *ICMP*
  - *TCP*
  - *UDP*
  - *SNMP*
- Intrepid 10000 supports the following FC classes of service:
  - *Class 2*
  - *Class 3*
  - *Class F*



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## Supported Configurations

The EFCM application is typically deployed on a server with 2 Ethernet connections: a “public LAN” connection (LAN1) and a “private LAN” connection (LAN2). The recommendation for the Intrepid 10000 is to use the private LAN connection for existing hardware and to deploy the Intrepid 10000 and the management console on the public LAN connection (LAN1). EFCM is able to manage the director if it is connected to either network. However, by deploying the Intrepid 10000 on the Public LAN Interface, direct CLI and SNMP access to the director will be allowed.

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## Related Documentation

The following documents provide additional support and information pertaining to E/OSn version 6.5:

- Intrepid 10000 Director Element Manager User Manual (620-000227).
- McDATA EFC Manager Software User Manual (620-000170)
- McDATA E/OSn Command Line Interface User Manual (620-000211)
- E/OSn SNMP Support Manual (620-000226).

## Previous Releases

### E/OSn 6.4

Code fixes and enhancements have been included in this release. E/OSn 6.4 includes all fixes and enhancements in previous releases. Within each product area, code fixes and enhancements are organized by their PR (tracking) number.

[Table 3](#) contains all fixes in E/OSn 6.4.

**Table 3 E/OSn 6.4 Minor Code Fixes and Enhancements**

PR Number	Description	Severity
64104	In the i10k running on FICON management server, when one of the two ISLs is pulled out, 'Path Taken Offline' occurred for multiple devices causing logical paths to go offline.	High
60556/64198	i10k: Messages indicating CTP-0 removal/insertion even when the CTP is untouched.	High
65089	NS outage is above 10 seconds.	High
66596	PDCM attributes for logical ports not initially reflected in CAM following port swap.	High
66740	CAM entries for remote CUP not being cleared when last path goes away and local FMS is enabled.	High
67459	F_Ports losing routes to remote domain controllers when prohibited from ISL connections during Port Swap.	High
67534	Incorrect PDCM check when port on non-zero LIM is forced to program route for remote CUP.	High
60481	CTP failure and ISL segmentation while upgrading i10k to 6.3.	High
68678	LIM fails during auto-sync after flash upgrade and system reboot.	High
68144	Four LIMs and one SWM failed while running i10k on 6.3.1.	High

## E/OSn 6.3.2

Code fixes and enhancements have been included in this release. E/OSn 6.3.2 includes all fixes and enhancements in previous releases. Within each product area, code fixes and enhancements are organized by their PR (tracking) number.

[Table 4](#) contains all fixes in E/OSn 6.3.2.

**Table 4 E/OSn 6.3.2 Minor Code Fixes and Enhancements**

PR Number	Description	Impact
59741	i10k firmware does not support PDISC command.	High
67509	In the i10k running on E/OSn 6.3.1 five of the six LIMs failed due to SWM, LIM, and ASIC anomalies.	High
67970	i10k running on E/OSn 6.3.1 posted a 476 event.	Medium

## E/OSn 6.3.1

Code fixes and enhancements have been included in this release. E/OSn 6.3.1 includes all fixes and enhancements in previous releases. Within each product area, code fixes and enhancements are organized by their PR (tracking) number.

**Table 5 E/OSn 6.3.1 Minor Code Fixes and Enhancements**

PR Number	Description	Impact
58964	Upgrading to 6.3 with nothing attached to a 10 gig port may leave the port in an unusable state. 10 gig ports with connections or traffic or that have had previous connections are not impacted and will continue to pass traffic.	High

