BROCADE®

Brocade FOS Release v7.3.0b5 Internal Content Notes

The Brocade CCE process has been used to provide stable code fixes to various Brocade customer sites. This CCE has been created especially for FCIP customers that require at a minimum the IBM FICON qualified FOS V7.3.0b code base with important fixes. This CCE is based off the IBM FICON Qualified FOS release of V7.3.0b plus confirmed changes. Note that this is the 1st IBM Qualified version for use with the new 7840 (SkyBolt) Platform. This release continues support of the other currently available Brocade platforms as well.

The following sections document the defects and improvements that have been fixed in this release. CCE Builds are available to customer sites through an SR Request to Brocade Support.

CCEs are packaged exactly the same way as a normal Brocade FOS Release. The normal Firmware Download process is used to upgrade a switch to the CCE.

This document can be shared with customers and partners as required. The following sections include the list of Defects and descriptions of the issues that have been incorporated into this release as well as those ported from the listed CCE releases.

FOS v7.3.0b5 was a one-off release based on FOSv7.3.0b GA code. It does not include FOS v7.3.0b1 to FOS v7.3.0b4. It includes following defects on top of FOSv7.3.0b GA code.

Defect ID:	DEFECT000528245		
Technical Severity:	High	**Probability:**	High
Product: FOS		**Technology:**	Traffic Management
Reported In Release:	FOS7.2.0	**Technology Area:** Port Bring up	
Closed In Release(s):	FOS7.2.1d, FOS7.3.1		
Symptom:	Switch may start logging SCN-1001 events for SCN queue overflow for process nsd, and MQ-1005 messages for nsd queue full. This may eventually result in CP panic.		
Condition:	This may be seen in an environment with port devices that neither cut off light nor come on line, compounded with RNID storm between devices in a large flat zone. Consequently CPU gets overloaded with excessive interrupts and cannot schedule time for other user space daemons		
Workaround:	Disabling all problem ports with unstable light or fixing the speed of the port may help to limit the CPU load		

Defect ID:	DEFECT000536455		
Technical Severity:	High	**Probability:**	High
Product: FOS		**Technology:**	Traffic Management
Reported In Release:	FOS7.3.0	**Technology Area:** Port Bring up	
Closed In Release(s):	FOS7.3.1a		

Symptom:	Both Active and Standy CPs panic in a director while processing Read Diagnostic Parameters (RDP) Extended Link Service (ELS) request from local device..
Condition:	This is triggered by a race condition when a local device repeatedly sends unsolicited RDP ELS request and the switch is running FOS7.3.0 or above
Workaround:	Disable device port capable of RDP

Defect ID:	DEFECT000538917		
Technical Severity:	Medium	Probability:	High
Product:	FOS	Technology:	Management
Reported In Release:	FOS v7.3.0	Technology Area:	Management Server
Closed In Release(s):	FOS v7.3.1a		
Symptom:	The Fibre Channel specification (FC-FS-3) pertaining to Read Diagnostic Parameters (RDP) has been updated with new descriptor codes and descriptor flags. This renders current implementation incompatible. Device will not get properly formatted RDP response.		
Condition:	This happens in a fabric with device capable of RDP and running FOS v7.3.0 or above.		
Workaround:	Disable device port capable of RDP		

Defect ID:	DEFECT000540720		
Technical Severity:	High	Probability:	High
Product:	FOS	Technology:	Monitoring/RAS
Reported In Release:	FOS v7.3.0	Technology Area:	Equipment Status
Closed In Release(s):	FOS7.3.0b5		
Symptom:	The portpeerbeacon CLI does succeed and correctly lights up the LED on both end ports		
Condition:	When user executes portpeerbeacon CLI		

Defect ID:	DEFECT000539670		
Technical Severity:	High	Probability:	High
Product:	FOS	Technology:	Management
Reported In Release:	FOSv7.3.0	Technology Area:	Platform Services
Closed In Release(s):	FOS7.3.1a, FOS7.3.2, FOS7.4.0		
Symptom:	BR7840 becomes unusable after Firmware download from FOS7.4.0 to FOS7.3.x. Switch may show faulty rc=20015 status		
Condition:	Failure may occur during the switch downgrade of FOS from FOS 7.4.0 to FOS7.3.0x on a BR7840.		
Workaround:	Power cycle the failed BR7840.		