Fabric OS

Feature Support Matrix

Supporting Fabric OS 7.3.0

BROCADE

Contents

Introduction

Document history

The document history indicates changes made with each revision.

Document title	Release	Summary of changes	Publication date	Document number
Fabric OS Feature Support Matrix	7.2.0	Initial release	31 March 2014	53-1003236-01
Fabric OS Feature Support Matrix	7.3.0	Added new feature information for the 7.3.0 release.	27 June 2014	53-1003302-01

Objective

The *Fabric OS Feature Support Matrix* provides a consolidated view of all features supported on Brocade Fibre Channel platforms. Use the tables to determine if a feature is supported on your product.

Product reference

The following table lists Brocade product names by product type and platform. Use this table to determine if a specific product supports a feature in one of the feature tables listed in this publication, or if a feature is supported on your product.

For each feature, this document lists the minimum Fabric OS version for a product family. Specific products within the product family might require a higher minimum version that what is noted in the tables.

TABLE 1 Brocade product names by type and platform

Product type	Gen 5 platform (16-Gbps)	Gen 4 platform (8-Gbps)
Fixed-port switches	Brocade 6505	Brocade 300
	Brocade 6510	Brocade 5100
	Brocade 6520	Brocade 5300
		Brocade Encryption Switch
		Brocade VA-40FC
Backbones	Brocade DCX 8510-8	Brocade DCX
	Brocade DCX 8510-4	Brocade DCX-4S
Embedded switches	Brocade M6505	Brocade 5410
	Brocade 6547	Brocade M5424
	Brocade 6548	Brocade 5430
		Brocade 5431
		Brocade 5432
		Brocade 5450
		Brocade 5460
		Brocade 5470
		Brocade 5480
Extension switch	Brocade 7840 Extension Switch	Brocade 7800 Extension Switch

Features Supported in Fabric OS

Management

The following table lists the Management features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to the Product reference on page 5.

TABLE 2 Management features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Authentication, authorization, and accounting (AAA)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Boot PROM password	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Broadcast zones	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Brocade Network Advisor	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Command line interface (CLI)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Ethernet interface	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
EZSS Switch Manager	6.4.0[1]	No	No	6.4.0	7.0.0	No	No	7.3.0
EZSS Wizard	6.4.0[1]	No	No	6.4.0	7.0.0	No	No	7.3.0
Fabric-assigned Port WWN (FA-PWWN)	7.0.0[1]	7.0.0	No	No	7.0.0	7.0.0	No	No
Firmware upload and download	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
IPv6 addressing	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Licensing	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

[1] Not supported on the Brocade Encryption Switch.

TABLE 2 Management features supported by product type and platform (Continued)

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Management Server	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Network Time Protocol (NTP)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Platform services	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Role-based access control (RBAC)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
SNMPv1, SNMPv3, and MIBs	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Topology discovery	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
User accounts	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Web Tools	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

Monitoring and RAS

The following table lists the monitoring and RAS features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to Product reference on page 5.

TABLE 3 Monitoring and RAS features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Advanced Performance Monitoring (APM)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Audit Log	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Automatic trace dump transfers	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Bottleneck detection	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Diagnostic Port (D_Port)	No	No	No	No	7.0.0	7.0.0	7.3.0	7.3.0
End-to-End Performance monitoring	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Equipment status	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Fabric Watch	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Flow Vision - Flow Generator	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.3.0

TABLE 3 Monitoring and RAS features supported by product type and platform (Continued)

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Flow Vision - Flow Mirroring	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.3.0
Flow Vision - Flow Monitoring	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.3.0
Forward error correction (FEC)	No	No	No	No	7.0.0	7.0.0	7.0.0	7.3.0
Frame monitoring	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Frame Viewer	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.0.0	7.3.0
Logging	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Monitoring and alerting policy suite (MAPS)	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.2.0	7.3.0
Port log	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Port mirroring and monitoring	6.4.0[2]	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Power-on self-test (POST)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
supportShow	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Top Talker monitors	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Trunk monitoring	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

Distance

The following table lists the distance features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to

TABLE 4 Distance features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Extended fabrics	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
FCIP	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0
FCIP Fastwrite	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0
FTRACE support tool	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0

[2] Not supported on the Brocade Encryption Switch.

TABLE 4 Distance features supported by product type and platform (Continued)

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
IPsec	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0
Open systems tape pipelining (OSTP)	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0
Tunnel management	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0
WAN performance analysis tools	No	6.4.0	No	6.4.0	No	7.0.0	No	7.3.0

FICON

The following table lists the FICON features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to Product reference on page 5.

TABLE 5 FICON features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Cascaded FICON	6.4.0[3]	6.4.0	No	6.4.0	7.0.0[4]	7.0.0	No	7.3.0
FICON	6.4.0[3]	6.4.0	No	6.4.0	7.0.0[4]	7.0.0	No	7.3.0
FICON CUP	6.4.0[3]	6.4.0	No	6.4.0	7.0.0[4]	7.0.0	No	7.3.0
FICON emulation	6.4.0[3]	6.4.0	No	6.4.0	7.0.0[4]	7.0.0	No	7.3.0

Security

The following table lists the security features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to Product reference on page 5.

TABLE 6 Security features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded Switches	Gen 5 Extension switch
Admin Domains	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

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[3] Not supported on the Brocade 300, Brocade Encryption Switch, and Brocade VA-40FC.
[4] Not supported on the Brocade 6505 and the Brocade 6520.

TABLE 6 Security features supported by product type and platform (Continued)

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded Switches	Gen 5 Extension switch
Data-at-rest encryption	6.4.0[5]	6.4.0	No	No	No	7.0.0	No	No
Duplicate Port-WWN	7.0.1	7.0.1	7.0.1	7.0.1	7.0.1	7.0.1	7.0.1	7.3.0
Fabric authentication	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
FIPS	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
In-flight encryption	No	No	No	No	7.0.0[6]	7.0.0	7.0.0	No
Zoning	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

Traffic management

The following table lists the traffic management features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to

TABLE 7 Traffic management features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Buffer-to-Buffer credits	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Buffer credit recovery	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Credit loss detection	7.1.0	7.1.0	7.1.0	7.1.0	7.1.0	7.1.0	7.1.0	7.3.0
FC-FC routing	6.4.0[7]	6.4.0	No	6.4.0	7.0.0[8]	7.0.0	No	7.3.0
Frame order delivery	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Frame redirection	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
In-flight compression	No	No	No	No	7.0.0[8]	7.0.0	7.0.0	No
Ingress rate limiting	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Inter-chassis links (ICLs)	No	6.4.0	No	No	No	7.0.0	No	No
Lossless dynamic load sharing (DLS)	6.4.0[9]	6.4.0	No	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

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[5] Supported only on the Brocade Encryption Switch.
[6] Not supported on the Brocade 6505.
[7] Not supported on the Brocade 300.
[8] Not supported on the Brocade 6505.
[9] Not supported on the Brocade Encryption Switch.

TABLE 7   Traffic management features supported by product type and platform (Continued)

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Quality of service (QoS): SID/DID traffic prioritization	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Routing	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Traffic Isolation Zoning (TIZ)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Trunking	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0

Virtualization

The following table lists the virtualization features supported on Fabric OS platforms. To determine if a feature is supported on your product, refer to

TABLE 8   Virtualization features supported by product type and platform

Feature	Gen 4 Fixed-port switches	Gen 4 Backbones	Gen 4 Embedded switches	Gen 4 Extension switch	Gen 5 Fixed-port switches	Gen 5 Backbones	Gen 5 Embedded switches	Gen 5 Extension switch
Access Gateway	6.4.0[10]	No	6.4.0[11]	No	7.0.0[12]	No	7.0.0	No
N_Port ID virtualization (NPIV)	6.4.0	6.4.0	6.4.0	6.4.0	7.0.0	7.0.0	7.0.0	7.3.0
Virtual Fabrics	6.4.0[13]	6.4.0	No	6.4.0	7.0.0[14]	7.0.0	No	7.3.0

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[10]   Not supported on the Brocade 5300 or the Brocade Encryption Switch.
[11]   Not supported on the Brocade 5410.
[12]   Not supported on the Brocade 6520.
[13]   Not supported on the Brocade 300 or the Brocade Encryption Switch.
[14]   Not supported on the Brocade 6505.