



Multi-Service IronWare Feature Support Matrix for NetIron 5.6.00

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Introduction

The purpose of this document is to provide a consolidated view of all features supported on Brocade NetIron platforms – XMR Series, MLX Series, CES 2000 Series, and CER 2000 Series. The organization of the list matches the organization of the published guides.

Multi-Service IronWare Administration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
Operations, Administration, and Maintenance (OAM)							
IEEE 802.1ag CFM Over VLL for the CES/CER	No	No	No	Yes	No	No	Yes
ITU-T Y.1731 Loss Measurement for the CES/CER	No	No	Yes	Yes	Yes	Yes	Yes
Error Monitoring							
System Resource Histogram Enhancements for Memory Errors	Yes	Yes	No	No	No	No	No
Line Module Memory Error Monitoring	Yes	Yes	No	No	No	No	No

Multi-Service IronWare Switching Configuration Guide

Feature	Brocade Netron XMR Series	Brocade MLX Series	Brocade Netron CES 2000 Series BASE package	Brocade Netron CES 2000 Series ME_PREM package	Brocade Netron CES 2000 Series L3_PREM package	Brocade Netron CER 2000 Series Base package	Brocade Netron CER 2000 Series Advanced Services package
Link Aggregation Group (LAG)							
40 GbE and 100 GbE LAG Scalability	Yes	Yes	No	No	No	No	No
BiDirectional Forwarding Detection (BFD)							
BFD Hardware Assist for the CES/CER	No	No	No	Yes	Yes	Yes	Yes
BFD Holdover for OSPF and IS-IS	Yes	Yes	No	Yes	Yes	Yes	Yes
BFD for Static Routes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BFD for RSVP-TE LSPs for the CES/CER	Yes	Yes	No	Yes	No	No	Yes
BFD for OSPFv3 for the CES/CER	Yes	Yes	No	Yes	Yes	Yes	Yes
Multi-Chassis Trunking (MCT)							
MCT Client Scalability Enhancement	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Virtual Local Area Networks (VLANs)							
TVF and PBR to TVF LAG Load Balancing	Yes	Yes	No	No	No	No	No
Multipoint Static MAC Addresses for the CES/CER	No	No	Yes	Yes	Yes	Yes	Yes
Configuring IP							
Multipoint Static ARP for the CES/CER	No	No	Yes	Yes	Yes	Yes	Yes

Multi-Service IronWare Routing Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
IPv4 Intermediate System to Intermediate System (IS-IS)							
IS-IS Graceful Restart "Helper Mode"	Yes	Yes	No	Yes	Yes	Yes	Yes
IPv6 Prefix list							
ND6 IPv6 Prefix Suppress	Yes	Yes	No	Yes	Yes	Yes	Yes
Policy-Based Routing (PBR)							
PBR Policy Scaling Enhancements	Yes	Yes	No	No	No	No	No
PBR VLAN Preservation for the Brocade MLXe 24-Port 10 GbE (DM) SFP+ Module	Yes	Yes	No	No	No	No	No
Basic IPv6 Connectivity							
127-Bit IPv6 Interface Addresses	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Multi-Service IronWare Multiprotocol Label Switching (MPLS) Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
RSVP-TE Hello							
IPv4 Static Route over RSVP LSP	Yes	Yes	No	No	No	No	Yes
Link Protection Request for RSVP Fast Reroute	Yes	Yes	No	Yes	No	No	Yes
Max LDP ECMP at the Ingress LER	Yes	Yes	No	No	No	No	No
Max VPLS LSP Load Balance Scale for LER	Yes	Yes	No	No	No	No	No
RSVP- TE Hello							
RSVP Hello Messages for Neighbor Failure Detection	Yes	Yes	No	Yes	No	No	Yes
Auto-bandwidth Enhancements							
RSVP Auto-Bandwidth with Absolute Threshhold	Yes	Yes	No	No	No	No	No
Label Distribution Protocol (LDP)							
LDP Outbound FEC Filtering	Yes	Yes	No	Yes	No	No	Yes
Multiprotocol Label Switching (MPLS) Traffic Engineering							
sFlow Support for MPLS LSR and LER Interfaces	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RSVP TE Link Metric for CSPF Computation	Yes	Yes	No	Yes	No	No	Yes
RSVP Liberal Bypass LSP Selection	Yes	Yes	No	Yes	No	No	Yes
RSVP Global Configuration for Refresh Reduction and Reliable Messaging	Yes	Yes	No	Yes	No	No	Yes

Multi-Service IronWare Multiprotocol Label Switching (MPLS) Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
MPLS Virtual Private LAN Services (VPLS)							
VPLS Flooding and Broadcast Optimization	Yes	Yes	No	No	No	No	No

Multi-Service IronWare Software Defined Networking (SDN) Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
OpenFlow							
OpenFlow Hybrid Port Mode for VPLS Instances	Yes	Yes	No	No	No	No	No
OpenFlow Scaling Enhancement	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OpenFlow Layer 2 and Layer 3 Matching	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Multi-Service IronWare Security Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
Access Control Lists (ACLs)							
ACL Editing	Yes	Yes	No	No	No	No	No
IPv6 Access Control List (ACL)							
IPv6 Receive ACLs	Yes	Yes	No	No	No	No	No
IPv6 ACL Scaling Enhancement	Yes	Yes	No	No	No	No	No

Multi-Service IronWare QoS and Traffic Management Configuration Guide

Feature	Brocade NetIron XMR Series	Brocade MLX Series	Brocade NetIron CES 2000 Series BASE package	Brocade NetIron CES 2000 Series ME_PREM package	Brocade NetIron CES 2000 Series L3_PREM package	Brocade NetIron CER 2000 Series Base package	Brocade NetIron CER 2000 Series Advanced Services package
Rate-Limiting							
IPv6 ACL-Based Rate Limiting	Yes	Yes	No	No	No	No	No
Quality of Service (Qos)							
Configurable TM Buffer Thresholds	Yes	Yes	No	No	No	No	No