Western Digital.

Open Composable Compatibility

Fabric Interoperability demonstrated with other fabric attached devices

OCCL Individual Device Verification Chart

	Vendor	Model	RoCE Lossless Testing				Test Topology			
			Global Pause	Priority Flow Control	Explicit Congestion Notification	PFC + ECN	Single Path Single Switch	Dual Path Single Switch	Single Path Routed	Dual Path Routed
Flash Storage	Western Digital OpenFlex	F3000		●	●	●	●			
	Western Digital OpenFlex	F3100		●	●	●	●			
	Western Digital OpenFlex	F3200		●	●	●	●			
RNIC	Mellanox	CX-5		●	●	●	●	●	●	●
	Mellanox	CX-6		●	●	●	●	●	●	●
	Mellanox	CX-6DX								
	Mellanox	Bluefield		●						
	Broadcom	P1100p		●	●	●	●	●	●	●
	Broadcom	P2100G		●	●	●	●			
Switch	Mellanox	SN2100 Onyx		●	●	●	●	●	●	●
	Arista	7050CX3		●	●	●	●			
	Arista	7280		●	●	●	●			

Last Update: December 2020
Next Update Due: March 2021

Note:

- This chart is a high level summary of the individual devices RoCE compatibility testing to date.

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OCCL Device Test Matrix

ID	Server OS: Ubuntu 20.04	CentOS 7.6	CentOS 8.1	RNIC Mellanox: CX-5	CX-6	Bluefield	RNIC Broadcom: P1100P	P225P	P2100G	Switch Fabric Mellanox: SN2100 Onyx	Switch Fabric Arista: 7050CX3	7280	Fabric Device Potomac: Western Digital F3100	Western Digital F3200	Kazan: Western Digital Onyx	B Box: OCCL Test Box	Test Date CY 2020	Lossless Global Pause	PFC	ECN	PFC + ECN	Topology Single Path Single Switch	Dual Path Single Switch	Single Path Routed	Dual Path Routed
1		●		●						●			●				2-Mar-20	●	●	●	●	●	●	●	●
1.5		●				○				●			●				2-Mar-20	●	●						
1.1		●					○			●			●				24-Feb-20	●	●	●	●	●			
1.11		●		●							○		●				9-Mar-20	●	●	●	●	●			
1.13		●		●						●				○			16-Mar-20	●	●	●	●	●			
2			●	●						●						●	2-Jun-20	●	●	●	●	●			
2.1			●		○					●						●	8-Jul-20	●	●	●	●	●	●	●	●
2.2			●				○			●						●	24-Jun-20	●	●	●	●	●	●	●	●
2.3			●						○	●						●	25-Jun-20	●	●	●	●	●			
2.6			●	●								○				●	15-Aug-20	●	●	●	●	●			
2.7			●	●						●					○		30-Sep-20	●	●	●	●	●			
3	●			●						●						●	3-Dec-20	●	●	●	●	●			

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Note:
- This matrix is a high level summary of compatibility testing to date.
- Detailed reports for each test ID can be requested via Info@OpenComposable.com

Baselines:
- A baseline (ID 1, 2 etc.) consists of a set of known good candidate devices.
- As a rule, only one aspect (yellow dot) of the established baseline can modified at a time.
- A modified baseline will become a sub-baseline of the original baseline (1.5, 2.1 etc.).

To prevent baselines from becoming outdated and to allow for the timely and controlled submission of new / updated candidate devices, the OCCL generally states 6 months between tests. The OCCL publishes detailed guidelines on test procedure, baseline maintenance and change control via www.OpenComposable.com

Any requests for compatibility testing can be submitted via Info@OpenComposable.com