

# OCP Datacenter NVME SSD Testing Solutions and Services

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Connect. Collaborate. Accelerate.



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Datcenter NVMe® SSD Specification

Version 2.0 (07302021)

# Connect

The global OCP community is a collaborative forum where vendors work together to improve how computing systems connect and interact. OCP equipment takes advantage of these improvements and open source designs to increase interoperability and performance.

- Test Specification
- Test Criteria
- Test and Measurement Hardware
- Testing Services

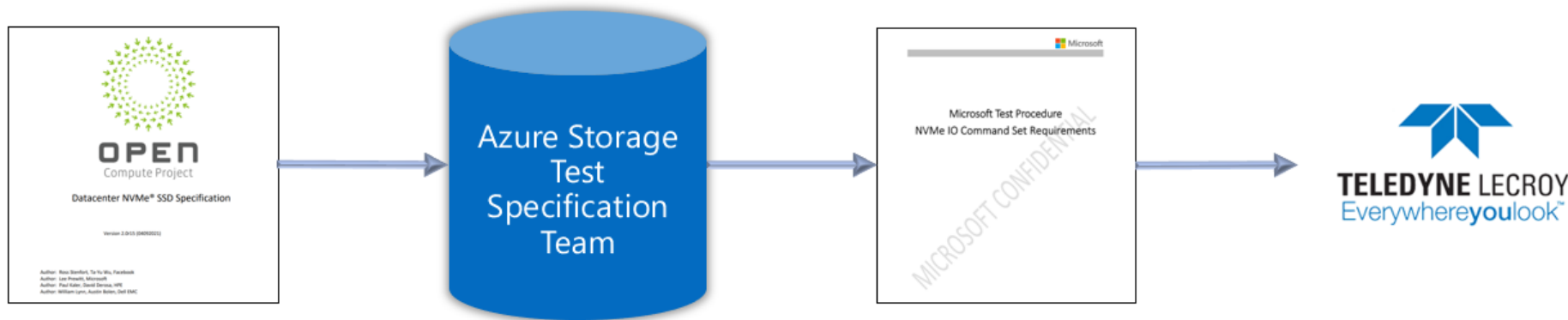
Test and Measurement is a critical link to connect the OCP Community with the right tools for validation.

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Teledyne LeCroy has worked with the Hyperscale and OEM vendors to define testable parameters and to provide for an overall conformance and testing solution for the Datacenter NVMe® SSD Specification.

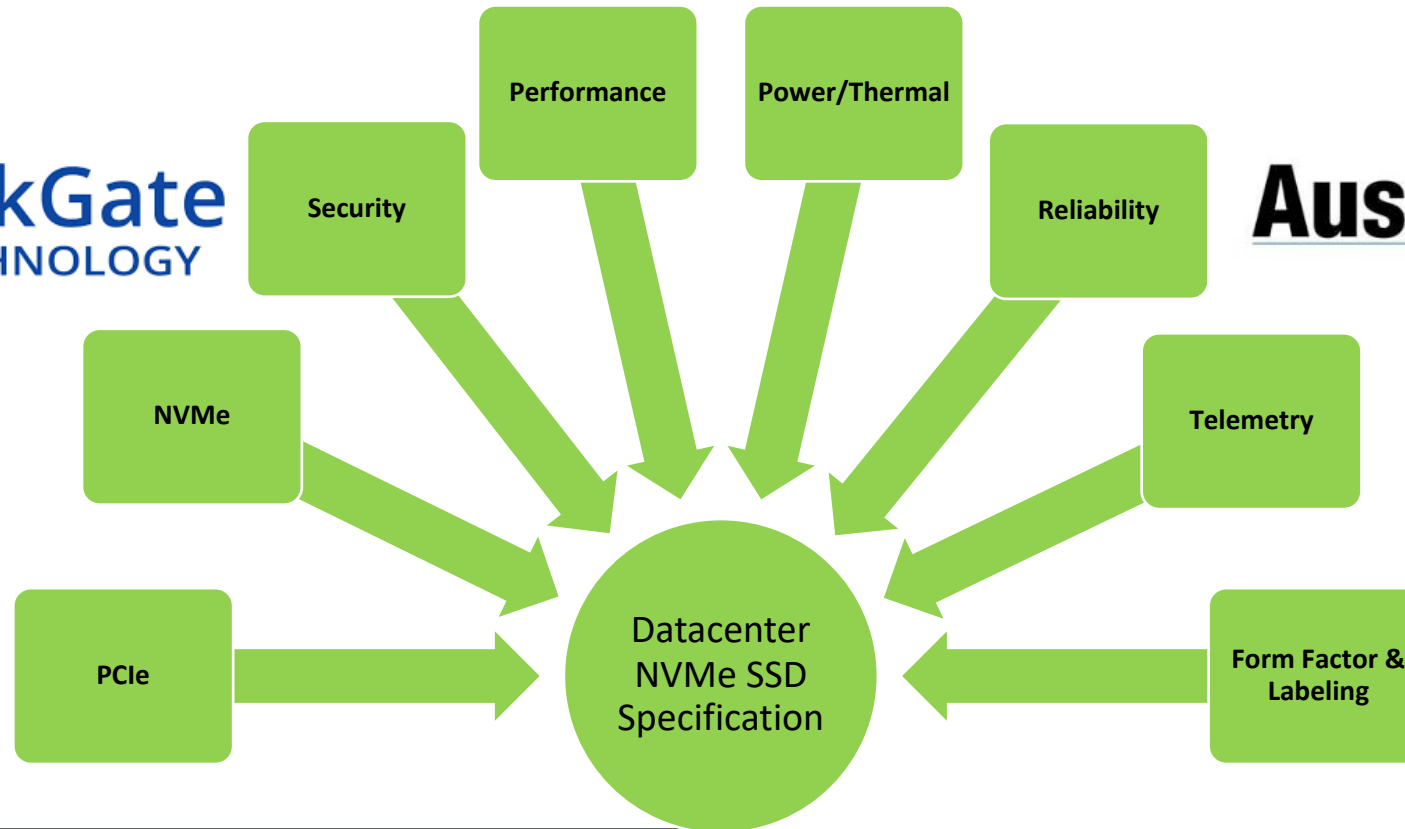


## Collaborate

- Validated Test Specification
- Industry support
- Full SW/HW Test Platform
- Testing Service and Conformance

New solution provides testing and services for all drive vendors and customers adopting the spec.

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# Accelerate

- Test
- Measurement
- Evaluate

Testing as a Service provides consistency in the evaluation of the test specification for Hyperscale and OEMs to make determinations on which products are best for their deployment

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# Teledyne LeCroy – Everywhere You Look

Teledyne LeCroy  
Protocol Analyzers

OakGate SSD  
Validation Platforms

Epic Environmental  
Chamber Platforms

**Austin Labs**



Q ocp									
Any Status									
Loop On Complete									
Halt On Fa...									
Save DT Debug Logs									
Manage Directed Te...									
#	Directed Test	Sub-Tests	P	F	Status	Actions			
187	Error Information Log Page nvme_oep v1.0.3 / Test: Error Information Log Page	1 of 1	0	1	FAILED	🔍			
188	SMART/Health Information Log Page nvme_oep v1.0.3 / Test: SMART/Health Information Log Page	1 of 1	1	0	PASSED	🔍			
189	Firmware Slot Information Log Page nvme_oep v1.0.3 / Test: Firmware Slot Information Log Page	1 of 1	1	0	PASSED	🔍			
190	Commands Supported and Effects Log Page nvme_oep v1.0.3 / Test: Commands Supported and Effects Log Page	1 of 1	1	0	PASSED	🔍			
191	Telemetry Host Initiated nvme_oep v1.0.3 / Test: Telemetry Host Initiated	1 of 1	1	0	PASSED	🔍			
192	Telemetry Controller Initiated nvme_oep v1.0.3 / Test: Telemetry Controller Initiated	1 of 1	1	0	PASSED	🔍			
193	Get Feature Current Values (SEL=0000) nvme_oep v1.0.3 / Test: Get Feature Current Values (SEL=0000)	1 of 1	1	0	PASSED	🔍			
194	Get Feature Default Values (SEL=0010) nvme_oep v1.0.3 / Test: Get Feature Default Values (SEL=0010)	1 of 1	0	1	FAILED	🔍			
195	Get Feature Saved Values (SEL=0100) nvme_oep v1.0.3 / Test: Get Feature Saved Values (SEL=0100)	1 of 1	0	1	FAILED	🔍			
196	Get Feature Supported Capabilities (SEL=0110) nvme_oep v1.0.3 / Test: Get Feature Supported Capabilities (SEL=0110)	1 of 1	0	1	FAILED	🔍			
197	Controller Capabilities nvme_oep v1.0.3 / Test: Controller Capabilities	1 of 1	0	0		🔍			
198	Subsystem Reset nvme_oep v1.0.3 / Test: Subsystem Reset	1 of 1	0	0		🔍			
199	Dataset Management nvme_oep v1.0.3 / Test: Dataset Management Support	1 of 1	0	0		🔍			
200	Create I/O Submission Queue	1	0	0		🔍			

Early Design &  
Development

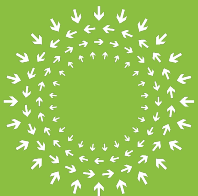
Design and  
Development

Validation

Pre-Production

Production

Field Failure  
Analysis



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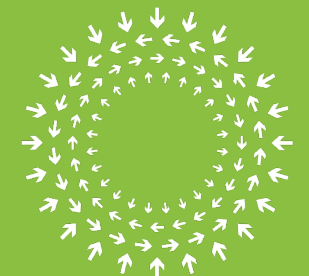
# Test Today with Teledyne LeCroy



Thank You



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