

Crimson Storage Validation Manager

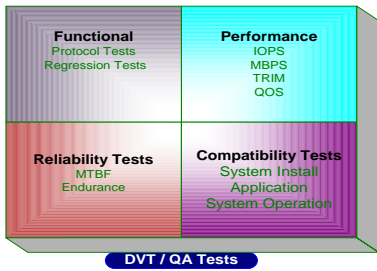
Crimson Innovative
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Cloud Based Solution

The market for enterprise SSDs is going through tremendous growth as indicated by independent research:

- Global enterprise SSD market forecasted to grow at 16.8% CAGR in units shipped from 2016 to 2020 (Research and Markets)
- Global enterprise SSD market forecasted to reach \$10 billion in revenue from 2016 to 2020 and predicted to grow at 7% CAGR
- Global PCIe SSD market forecasted to reach 4.5 million units by 2020 (Global Industry Analysts)
- PCIe SSDs forecasted to own 75% market share by 2018 (Forward-Insights)
- NVMe storage devices are growing in popularity versus SAS and SATA SSD devices due to its lower latency and higher throughput performance.

Figure 1 Test Suite Coverage (DVT/QA)



Use of All-Flash Arrays (AFAs) to accelerate shared-storage, performance-intensive applications, is also on the rise

This trend will lead to increase in development and testing activities across the storage industry. The need of the time is to cut down the development and testing cycles.

Crimson Innovative made deep analysis of storage validation process to optimize SSD and NVMe validation process

Crimson Storage Validation Manager (CSVM) CSVM is a cloud based tool. The user will be able to access his test lab where the SSD & NVMe devices are connected to test machines, from anywhere globally. User can have complete control over the validation process and can start, stop, monitor, and collect the reports of validation from anywhere.

CSVM is capable of testing the SSD devices for the DVT, QA and Production purposes. The suite supported interfaces are:

- SATA
- NVMe
- SAS

Apart from the testing, CSVM have various features like

- Monitoring the test progress
- Logging
- Report generation
- Notification mechanisms
- Profiling and Statistical analysis

For production environments the test suite can perform Final Tests, Burn-in tests as well.

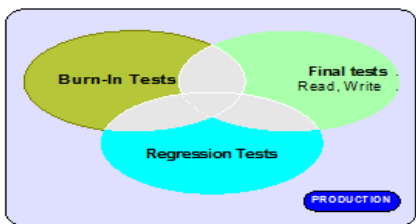


Figure 2 Production Environment Coverage