pMem Certification

There has been a disruptive paradigm shift in data storage called Persistent Memory (PMEM) that resides between DRAM and disk storage in the data storage hierarchy. The technology enables byte addressable updates and does not lose data if power is lost. Instead of having non-volatile storage at the bottom with the largest capacity but the slowest performance, nonvolatile storage is now very close to DRAM in terms of performance.

PMEM is a byte-addressable form of computer memory that has the following characteristics.

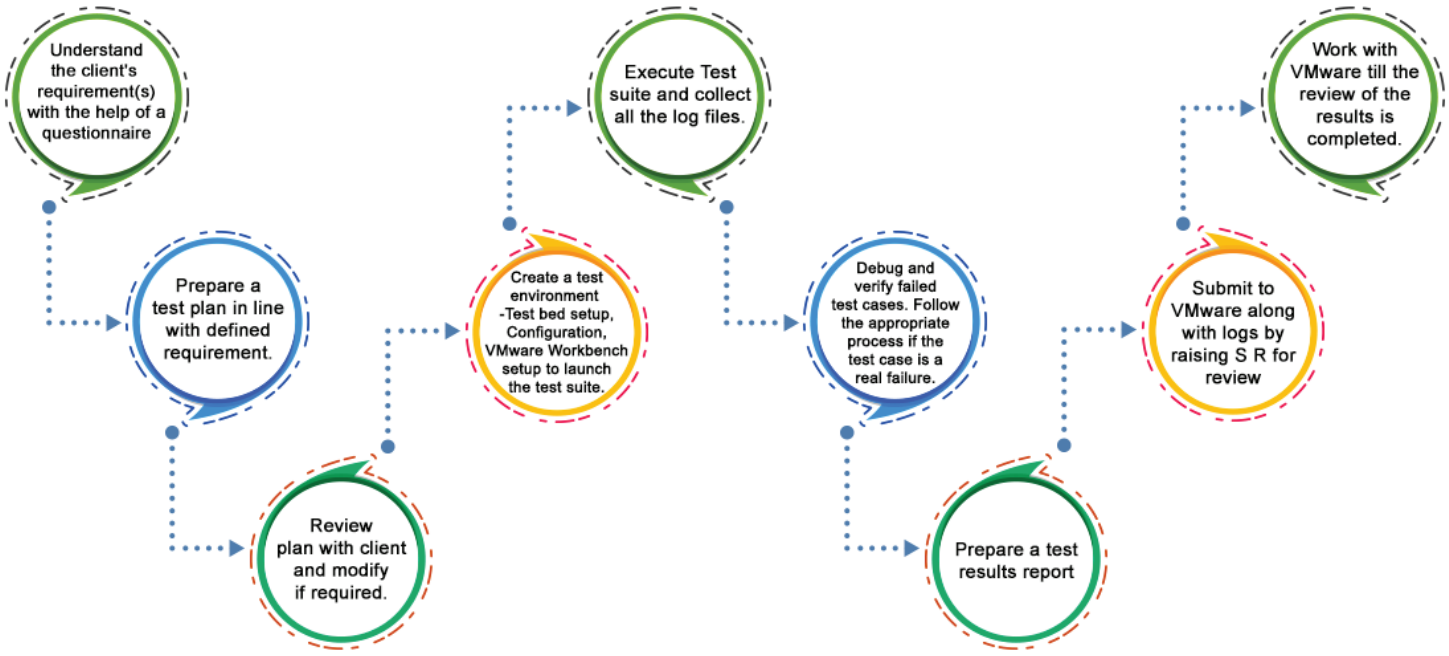
- DRAM-like latency and bandwidth
- Regular load/store CPU instructions
- Paged/mapped by operating system just like DRAM
- Data is persistent across re-boots

PMEM falls between the two ends of the spectrum, DRAM and Flash Storage. DRAM is expensive and volatile and Flash is cheaper, slower and persistent

VMware is working with a broad ecosystem including hardware vendors, OEMS and ISVs to develop and support PMEM. vSphere has been enabled to manage and expose the persistent memory feature to VMs.

Nexii Labs will help the partners in testing and validating their persistent memory solution for VMware Ready certification..

The Process



Test Scenarios

Following are the high level test scenarios:

1. Configuration Tests
2. TLS Check
3. pMem Tests - Total 17 automated test cases

Program Testing Timelines

Over all pMem certification program testing will take around 3 weeks, assuming all the required software, licenses and hardware are there and no issues are observed during the testing. It will take more time if any issue(s) are there. Issue(s) fixing time and re-verification time of related tests will get added.

Deliverables

As part of this program, will share the following:

1. Test plan document
2. Test results along with logs
3. Test results review report sent by VMware