

Analyze data up to 17% faster when you add Intel Optane persistent memory to your Dell EMC PowerEdge R740

Get actionable insight faster with Intel Optane PMem

What is Intel Optane PMem?

Servers with 2nd Generation Intel® Xeon® Scalable processors—like the Dell EMC™ PowerEdge™ R740—support Intel Optane PMem. The module looks like memory but acts like a combination of memory and fast storage to accelerate demanding workloads.

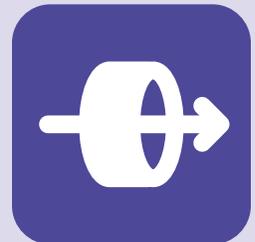
17.6%

faster average time to complete seven simultaneous query streams

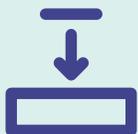


6.1%

faster average time to complete a single 22-query stream



Adding Intel Optane PMem to your Dell EMC PowerEdge R740 is simple. Just follow these steps:



1. Install your Intel Optane PMem in the server according to stipulations in the [Dell EMC DCPMM User's Guide](#).
2. Download and install the DCPM Software for Intel Optane DC Persistent Memory for Windows Server 2019 from <https://downloadcenter.intel.com/download/29380/DCPM-Software-for-Intel-Optane-DC-Persistent-Memory-for-Windows-Server-2019?v=t>.



3. Set the Intel Optane PMem to either App Direct or Memory Mode and create the interleaved PMem regions you desire (we used App Direct Mode and created two interleaved regions).



4. Create disks from the interleaved regions you created in step 3.



5. Initialize the disks, create a new partition on each disk, and format the disks, setting file systems to direct access (DAX) mode.

6. Configure your applications or databases to use the newly created PMem volumes.



Learn more at <http://facts.pt/r2ui89n>