

Northern California Oracle User Group

Lightning Fast RMAN Backups and Database Duplications!
Using NVMe Flash Storage..

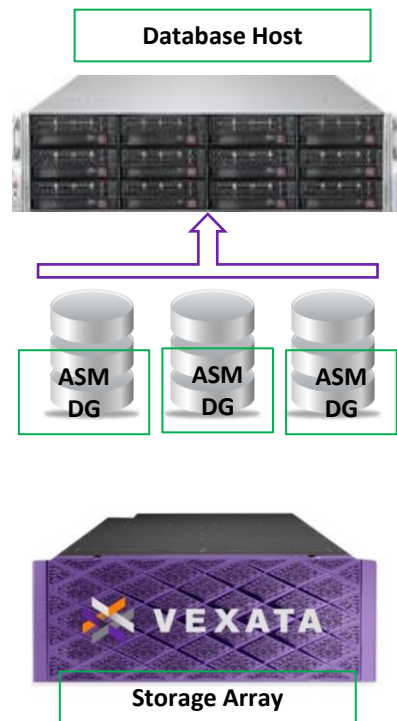
Agenda

- ✓ **Test Bed Review**
- ✓ **Demo Steps Review**
- ✓ **Demos Live / Pre-recorded**
- ✓ **Q & A**

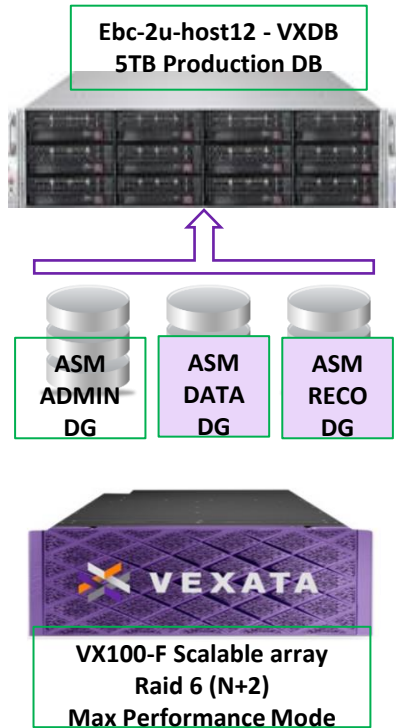
Test Bed

- ✓ **Storage**
 - ✓ Vexata VX100-F All Flash Scalable Array
 - ✓ 16 Enterprise Storage Modules
 - ✓ 16x32Gb Fibre Channel ports
 - ✓ RAID 6 (N+2) – Max Performance mode

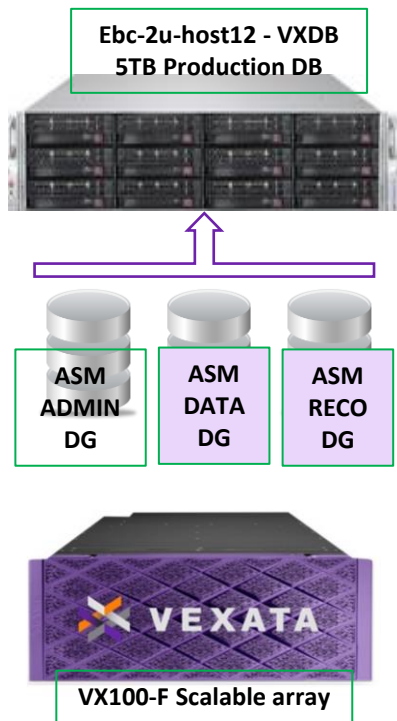
- ✓ **Host Servers**
 - ✓ Supermicro X11DPi-NT
 - ✓ Intel(R) Xeon(R) Gold 6148 CPU @ 2.40GHz
 - ✓ 2 Sockets, 20 cores per socket
 - ✓ 512 GB Memory
 - ✓ 4x32Gb Fibre Channel ports



Demo Steps - 1



Demo Steps - 2



At Host12,

1. Run an OLTP workload (approx. 3M transactions per minute)

At Storage Array,

1. Create Snapshots for DATA and RECO Volumes (Luns / Disks)
2. Create Clones of all Volumes (for Reads and Writes)
3. Export Clones to Ebc-2u-host13

At Host13,

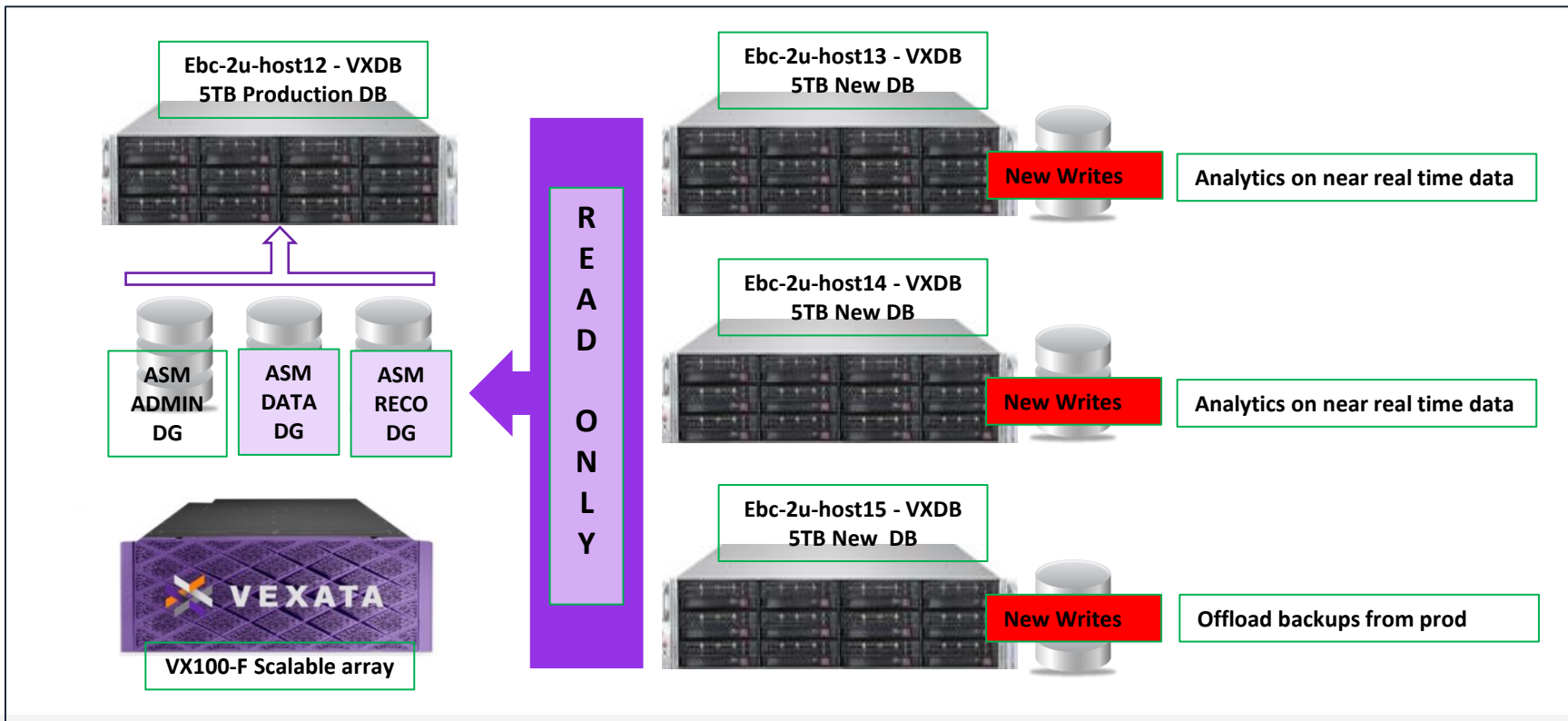
1. Discover luns, add multipath add PFile
2. Start a NEW DATABASE on Ebc-2u-host13 (W/O additional storage)

Repeat **cloning & new DB** steps on **Host14** and **Host15**

Run OLAP/Analytical tests on **Host13** and **Host14**

Run RMAN FULL Backup test on **Host15**

Demo Steps - 3





Demo