VMFS vs. RDM vs. VVols - Part 2

by Jim Hannan (@jim_m_hannan), Principal Architect

Back in 2014, I wrote a blog VMFS vs. RDM Part 1, and with the introduction of vSphere 6 and VVols (Virtual Volumes), I thought the time was right for Part 2. In part 2, I take a look at what VVols can offer, and would say that in most cases VVols are an absolute replacement of RDMs.

The VVols technology, along with vSphere 6, has been available since 2015 but the implementation of VVols has been slow. To be fair, some of the adoption of VVols has been slowed due to the lack of storage vendor support. However, with the release of vSphere 6.5, further enhancements have been made to vSphere APIs for Storage Awareness (VASA) and VVols.

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Oracle Named User Single/Multi Server Licensing

by Jeff Stonacek, Principal Architect

Currently, the most common licensing metrics for purchases of core technology products are the following:

- **Processor** - Per-core licensing based on a platform dependent core factor
- **Named User Plus (NUP)** - Based on the number of named users, with a minimum number of licenses per processor

In the past Oracle has used other metrics. In the late 1990's, Oracle decided to license servers based on the compute performance of the hardware. The basic metric used in this licensing model was labeled the Universal Power Unit (UPU). We described UPUs in more detail in this House of Brick blog.

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Can Max Server Memory Impact CPU?

by Shawn Meyers (@1dizzygoose), Principal Architect

Recently while at a client site, I ran into a situation that stumped me for a bit and shows why best practices exist. This experience reminded me that max server memory is important, and forgetting to set it can cause some unexpected issues.

While looking at a different issue at a client site, I noticed an Availability Group secondary node using 25% of the CPU on a server. The primary node was only using 2%, and the other secondary was only using 2% CPU, and the virtual machines were all running on same type of hardware. Why the large gap? Below is my troubleshooting process.

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Industry News

Why Microsoft is Ruling the Cloud, IBM is Matching Amazon, and Google is $15 Billion Behind

CLOUD WARS - In a striking example of just how big the enterprise cloud has become and how rapidly it's growing, Google Cloud Platform's disclosure of an impressive $4-billion forward-looking annualized revenue run rate leaves GCP *about $15 billion behind* the parallel metrics for Cloud Wars leaders Microsoft, Amazon and IBM.

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Status Quo vs. Irreversible Change: We Know How This Will End
Published on LinkedIn by Mark Hurd

The technology industry is at a critical inflection point, as the cloud and other new technologies represent the biggest and most significant changes in more than a generation. I believe this break with the past holds enormous potential for our customers-and poses an existential threat to technology companies that don't move fast enough.

Read the article