



Virtualization: Advanced Topics

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MAY 16 & 17, 2018

CLEVELAND PUBLIC AUDITORIUM, CLEVELAND, OHIO

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A wide-angle photograph of a city skyline at night, with numerous skyscrapers and buildings illuminated by their lights against a dark blue sky. The lights from the buildings create a warm, yellowish glow.

Ground Rules

- Theatre house rules
- Chat room outside
- Speak up please
- How many presenters does it take to...

Background/Assumptions

- Local/private virtualization
- Basics are understood
- Familiarity with a VM solution suite...

Resources (two mains)

- VM Solution
- Ancient stack model (IBM / Sybase)
 - Storage
 - Processing
 - Transport
 - Presentation...

Network

- Virtual switch
- Layer-3 constructs
- Inclusion
- Exclusion...

Storage

- Location
 - Local, shared, network
 - LUN, repository, other VM
- Organization
 - VM management layer
 - External (RAID, SSD, NUMA)
- Distribution
- Replication / backup...

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Processing

- Lanes vs speed limit
- Affinity and where to run
- Commitment (reality vs “run it all”)...

Presentation

- Terminal
 - Hypervised
 - Seat at the box
- Net hosted
 - Parasoft
 - Served up just like bare
- Proxy service...

Commute (moving VMs)

- Same arena
 - Vendor specific
 - Plug-n-play
- Different ballpark
 - Standards compliant (ova, img, vmdk)
 - Virtual type (para, hv (hardw virt, hybrid, etc.)
- Out of the Matrix and into the real...



Wrap-up

- Storage
 - Location, organization, ownership/sharing
 - access
- Network
 - Channels, VLANs & CIDR
 - Cover your assets (multi-port)
- Processing...

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Speakup

- Oracle VM users
 - Library expansion
 - Monitor boosters
 - Cold storage (a form of energy) potential into kinetic
 - Try it (easier to do than most believe...)
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