

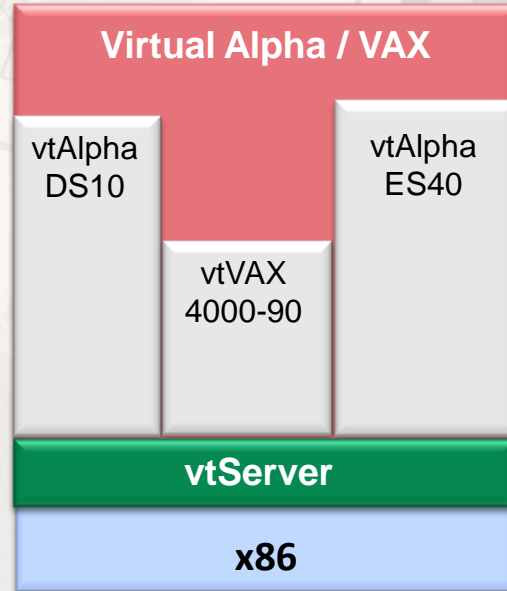


# vtAlpha & vtVAX storage observations

Arie de Groot

[avtware.com](http://avtware.com)

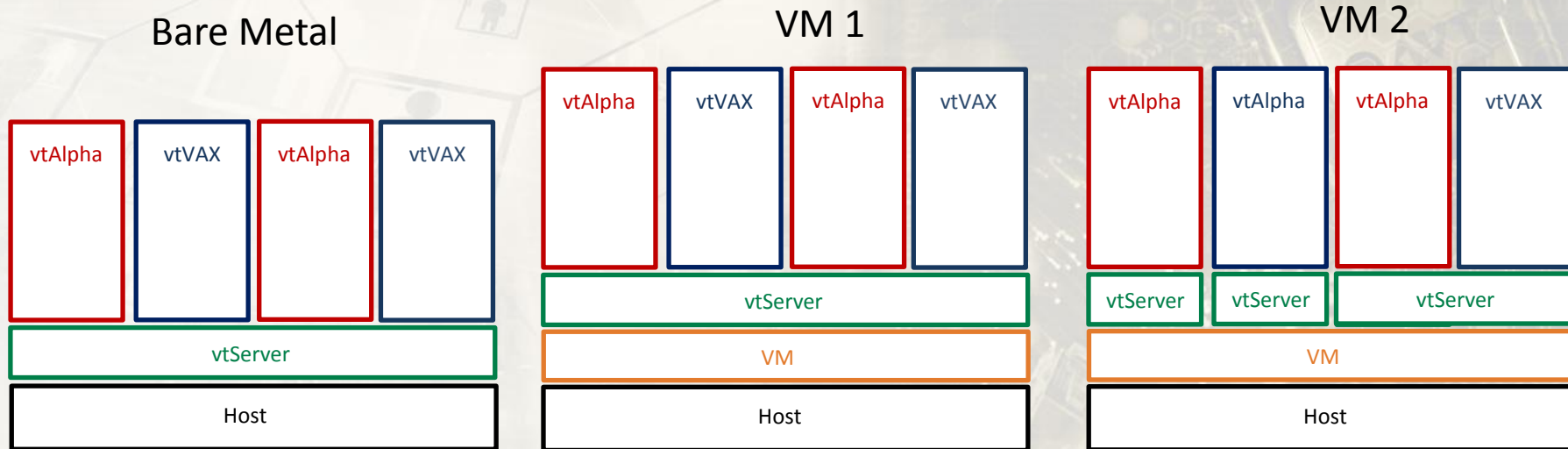
# Virtualization Principle



# Bare Metal

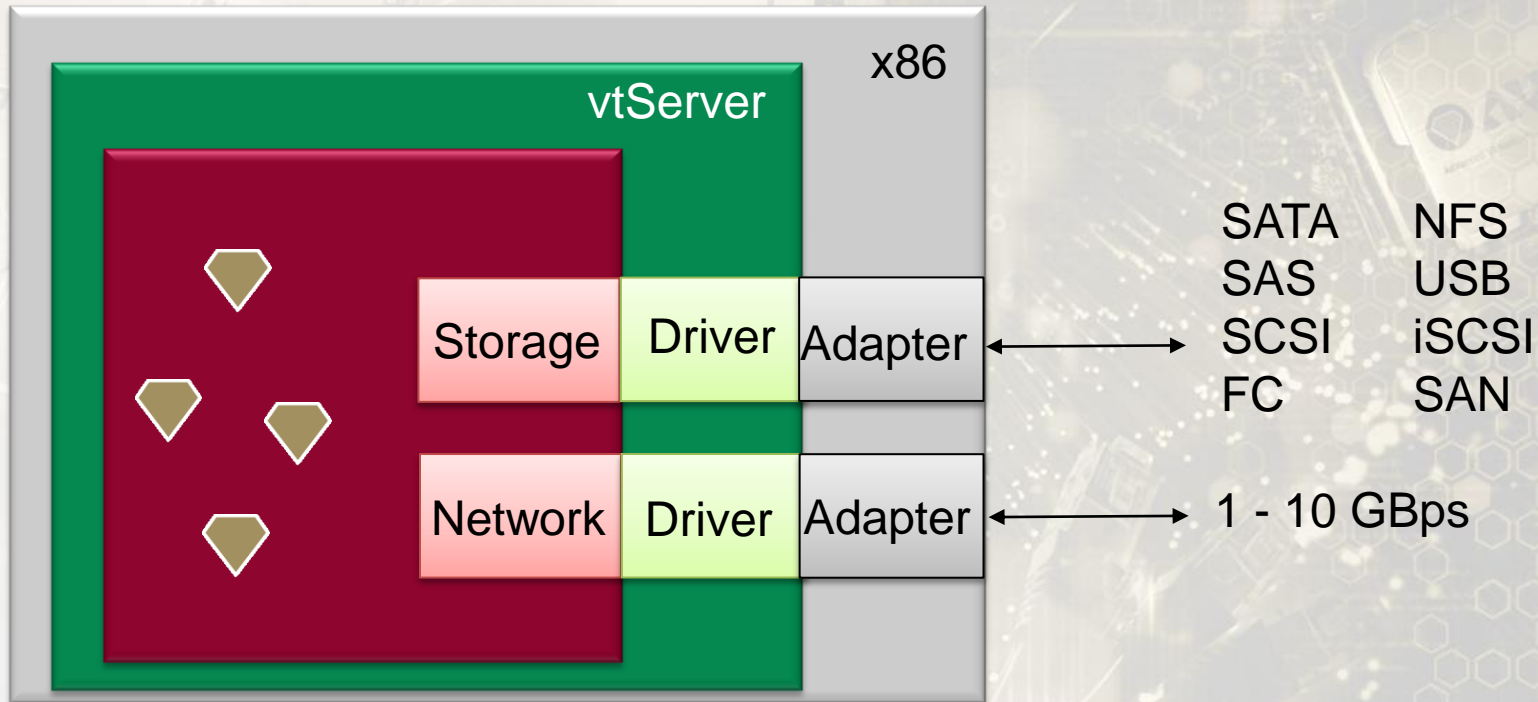
- ~~Windows~~
  - ~~Linux~~
- } No cost, no maintenance, no problems
- Complete Host Control
  - Virtual Machine Manager
  - Stable & Reliable
  - Single Point of Contact

# Virtualization<sup>2</sup>






# Total Transparency

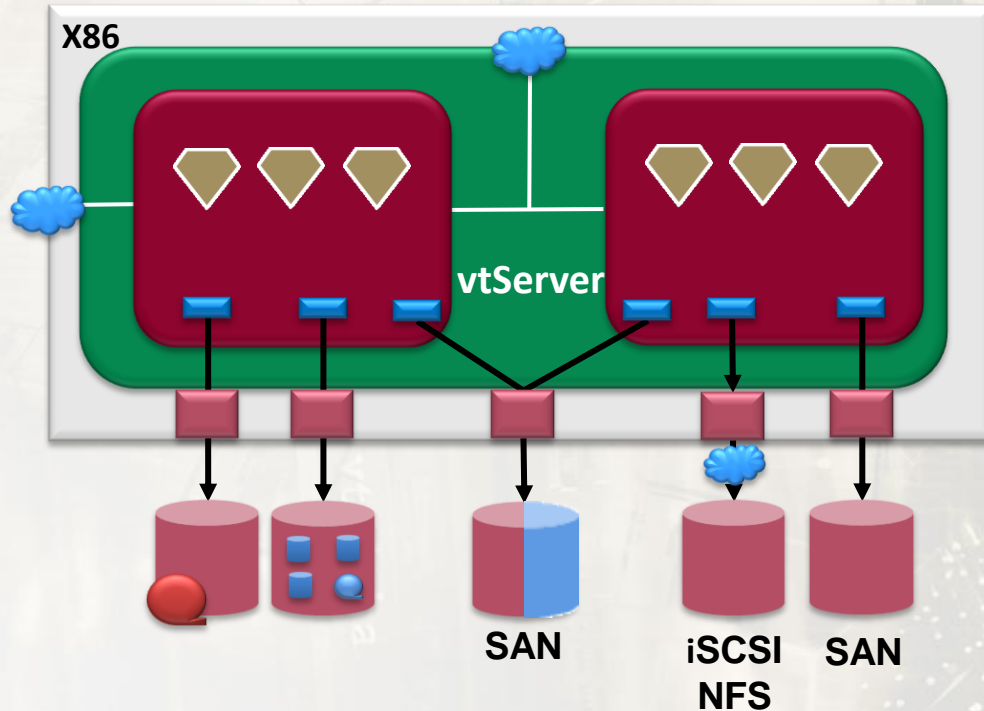


# Flexible Storage

Alpha / VAX	Host
SCSI DSSI MSCP IDE RAID SAN Tape	SCSI SATA SAS SAN USB SSD iSCSI Tape



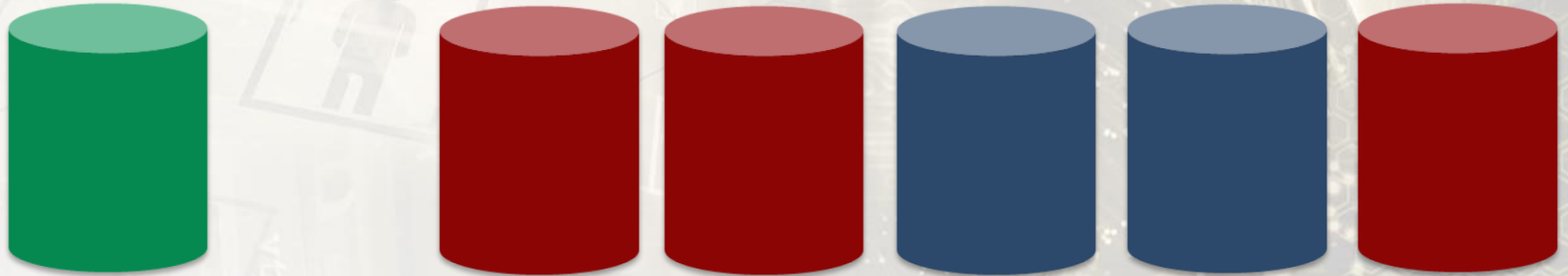
# Architecture



## FibreChannel

- Technology Transparency
- 3PAR, Hitachi. EMC & < 8.4 VMS
- Adapter Adoption or Manual
- Sharing FC adapters
- Virtual Zoning
- Auto-Detect Storage Structure

# Storage Structure





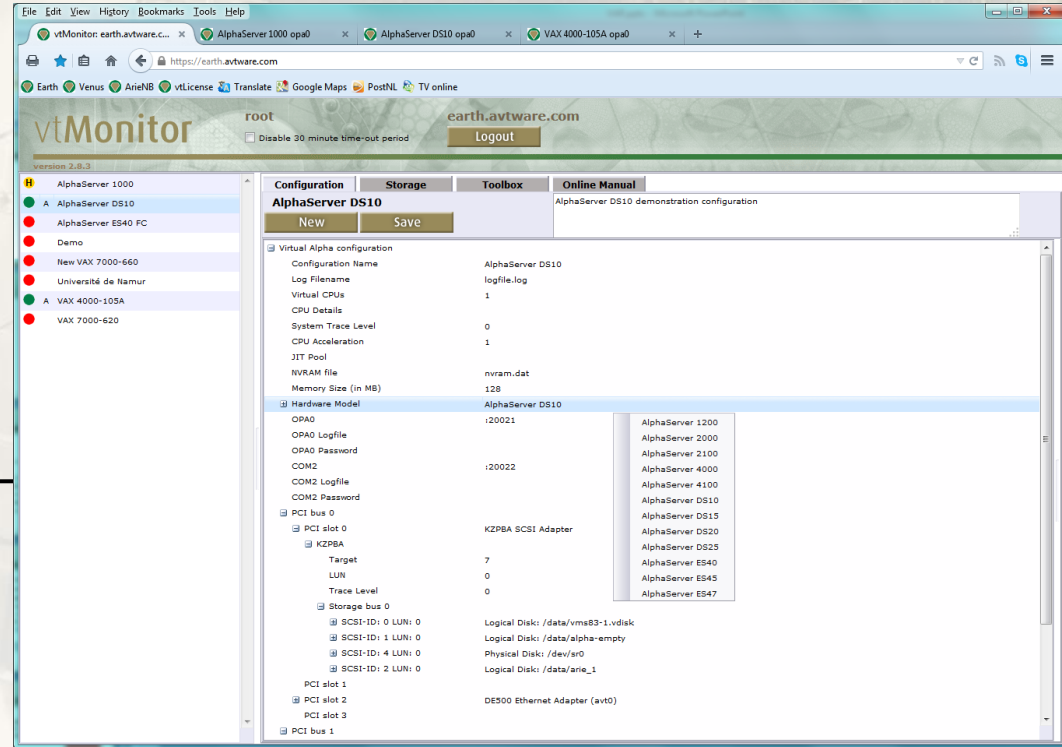
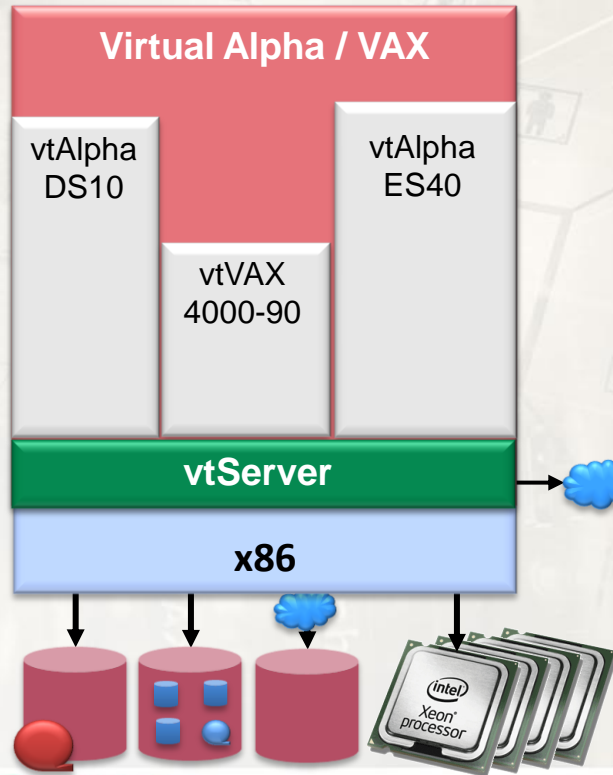
# Back-up Strategy

- Maintain current procedures
- Logical Tapes / Disks
- Off-Host storage
  - SAN
  - iSCSI
  - NFS
- vtServer Backup

# Tape Utility

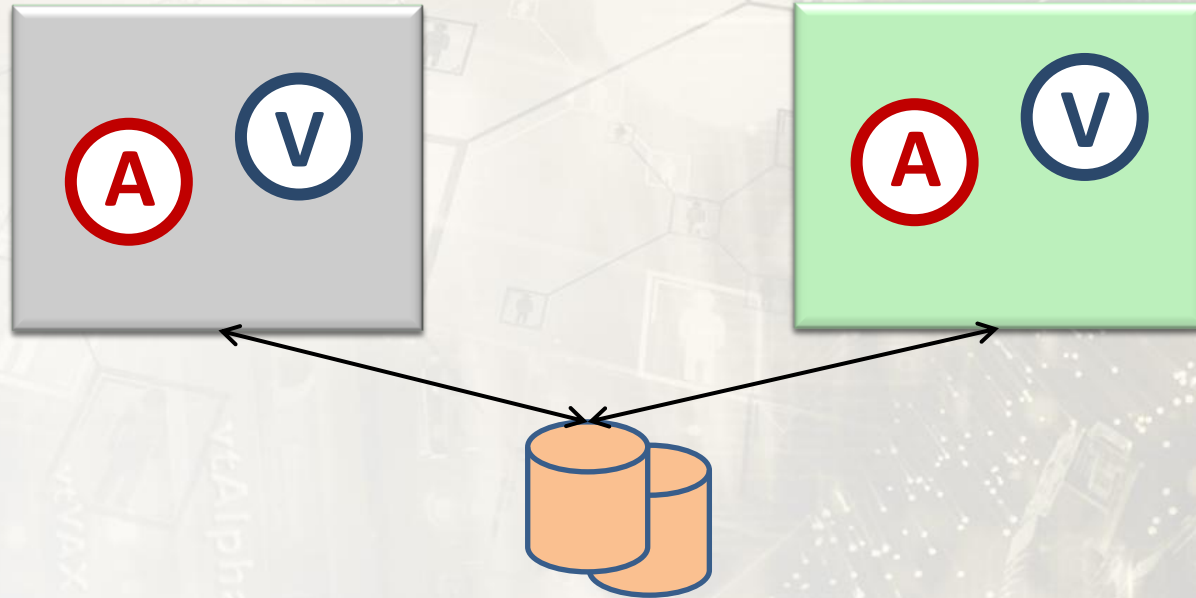
- OpenVMS utility (product install)
- Load / Unload
- Dynamic file names
- Backup generations
- Logical Tape

# Management Tool



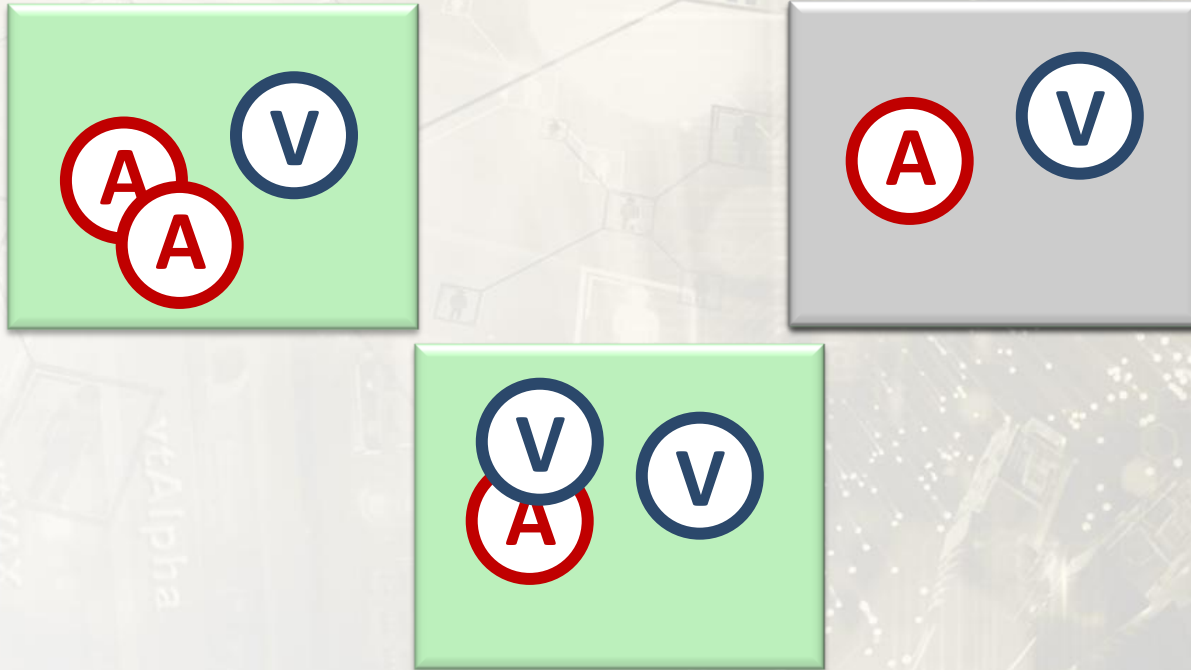
# Enhanced Disaster Tolerancy

# Cold Stand-by

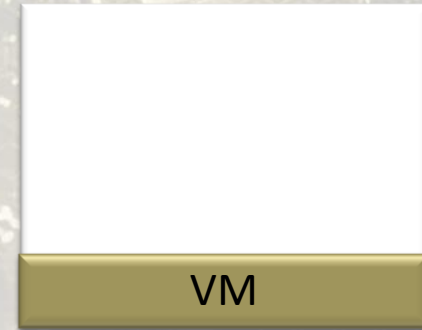
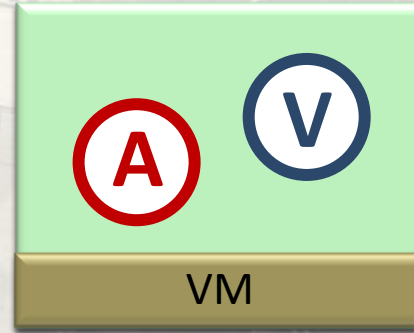
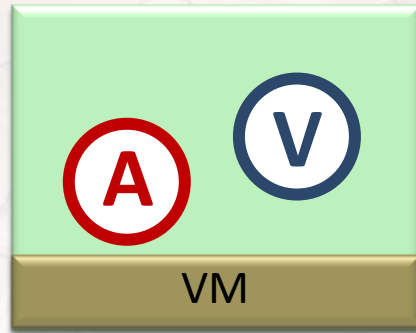




# Hot Stand-by



# Live Host Migration



**avtware.com**

**vax-alpha-emulation.com**

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