
Extending the Life of Your Data Centers

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HP Enterprise Servers, Storage and Networking

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JAVITS CONVENTION CENTER

IT Sprawl has Data Center at Breaking Point



½ Data Center in 3 years & ¾ Data Centers in 5 years*

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HP Converged Infrastructure



Eliminates silos

Integrates technologies

Reduces waste

The result:

Simplicity, integration and automation

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Agenda

- Standardize your IT
- Implement holistic virtualization
- Manage entire environment

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Server Standardization



- x86 servers
- Unix servers
- BladeSystem

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Storage Standardization



- Thin provisioning
- Tiered storage
- Data de-duplication

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Network Standardization



- 10 Gb Converged network adapter
- FCOE, iSCSI rack level switches
- Unified Communication & Collaboration

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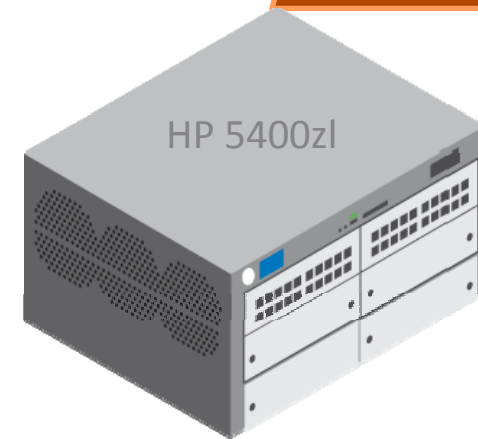
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HP AllianceONE Partner Solutions

Open application platform delivers flexibility

- Integrated best-of-breed network applications simplifies branch offices
- Twelve AllianceONE partners have developed 14 solutions for zl platform
- Services and support for partner solutions

Only HP



| Partner | Product | Description | Applications Delivered |
|------------------|-----------|-------------------------------------|---------------------------------------------|
| AVAYA | Aura | Session Border Controller | Security for remote Internet telephony |
| CITRIX | Netscaler | Web application delivery controller | Optimizes remote access to web applications |
| Microsoft | OCS | VoIP services with PSTN fail over | Reliable, unified communications |
| NETSCOUT | nGenius | Distributed network monitoring | Easy remote network management |
| riverbed | Steelhead | WAN accelerator | 50x faster application response time |

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Standardization Results

- Fewer pieces of equipment
- Less power consumption
- Smaller foot print

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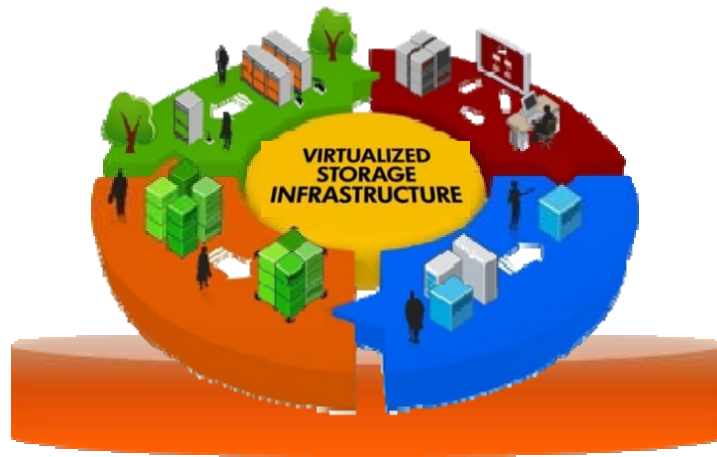
Server Virtualization



- Virtualization choice
- Mission critical resiliency
- Automation ready



Storage Virtualization

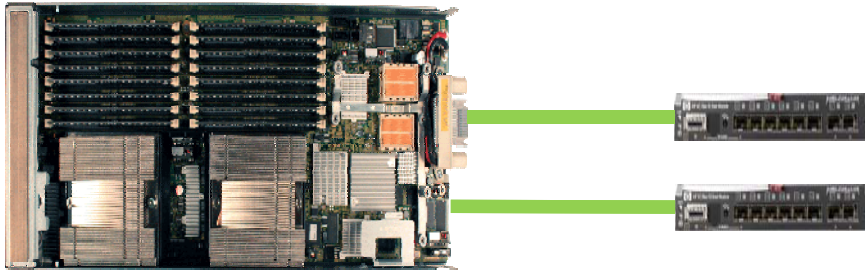


- iSCSI San virtualization
- Fiber Channel San virtualization
- San Virtualization Service Platform



Network Virtualization

NICs 1 2 3 4 5 6 7 8



HBAs 1 2 3 4

- HP Virtual Connect
- Programmable performance
- Wired once infrastructure

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Virtual Connect Reference

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Virtualization Results

- Increased utilization
- Reclaim trapped capacity
- Improved resiliency



Manage the IT Environment



HP SOFTWARE
+
SOLUTIONS

- System power capping
- Capacity planning
- Thermal mapping



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Converged Infrastructure Reference

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Summary

- Standardize to decrease foot print
- Virtualize for efficiency & resiliency
- Manage for measure & control

