

Example Workloads That Can be
Consolidated on a Mainframe

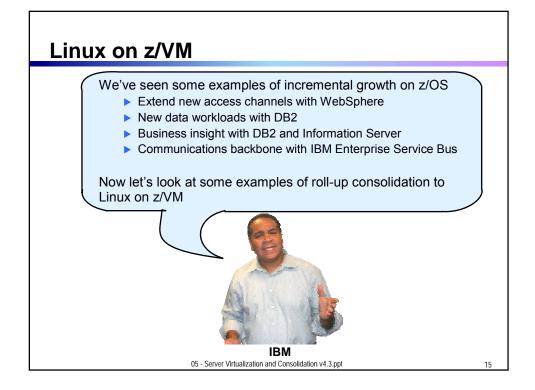
What	Where	Specialty Processor	How
Growth of Existing Mainframe Workload	z/OS		Capacity on demand
New CICS or IMS Applications	z/OS		Develop
Data Warehouse	z/OS	zIIP	Deploy
SAP Database Server	z/OS	zIIP	Deploy
WebSphere Application Server	z/OS	zAAP	Deploy
WebSphere Portal Server	z/OS	zAAP	Deploy
WebSphere Process Server	z/OS	zAAP	Deploy
Domino	z/OS		Deploy

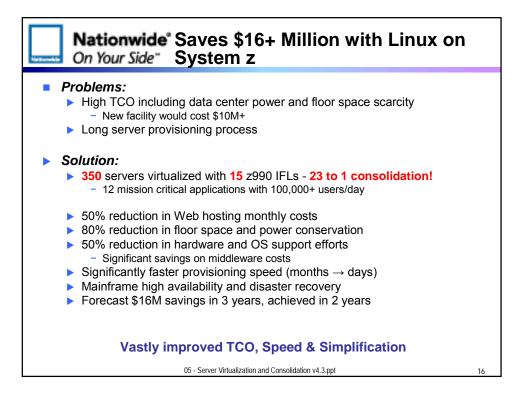
05 - Server Virtualization and Consolidation v4.3.ppt

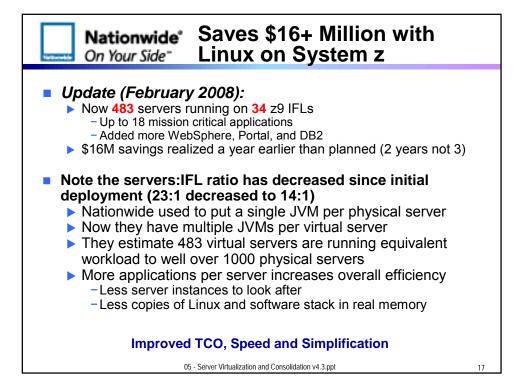
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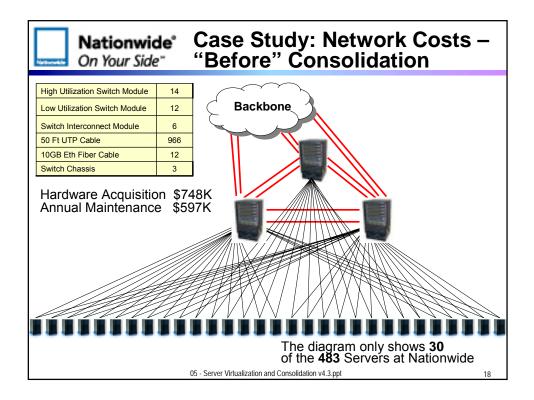
More Example Workloads That Can be Consolidated on a Mainframe

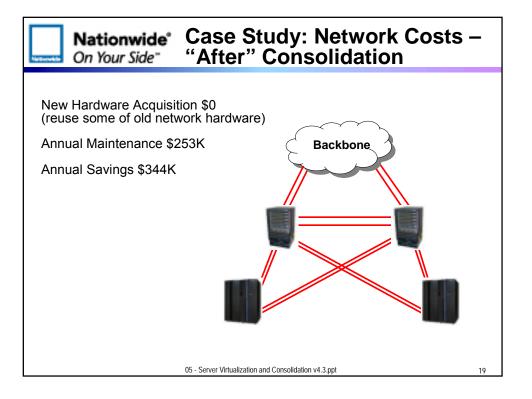
What	Where	Specialty Processor	How
Linux Applications	Linux on z/VM	IFL	Recompile
Linux Middleware - IBM Brands (DB2, WebSphere, Lotus, Rational, Tivoli) - Oracle Database - etc.	Linux on z/VM	IFL	Rehost
Linux Packaged Applications - SAP - Oracle - etc.	Linux on z/VM	IFL	Rehost
.NET Applications	Linux on z/VM	IFL	Mono, Mainsoft
Open Solaris Applications	Open Solaris on z/VM	IFL	Sine Nomine

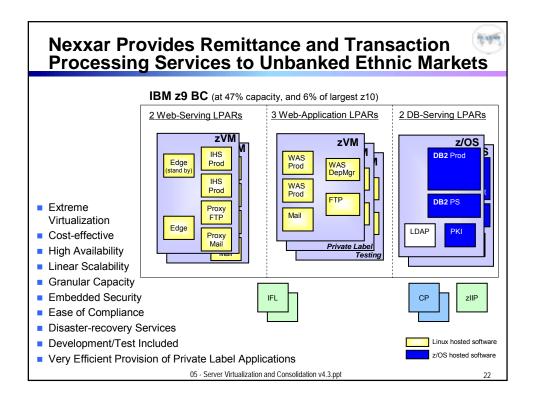


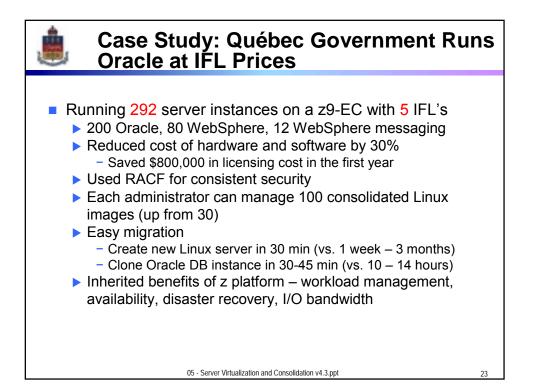


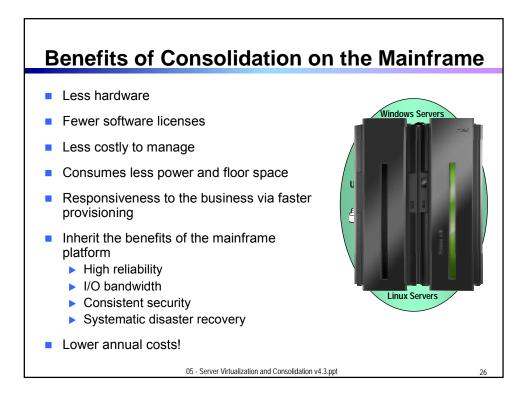


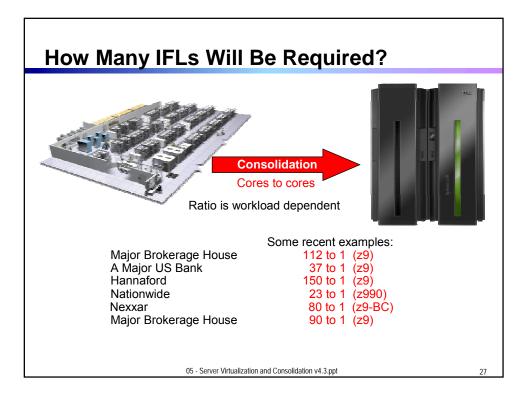


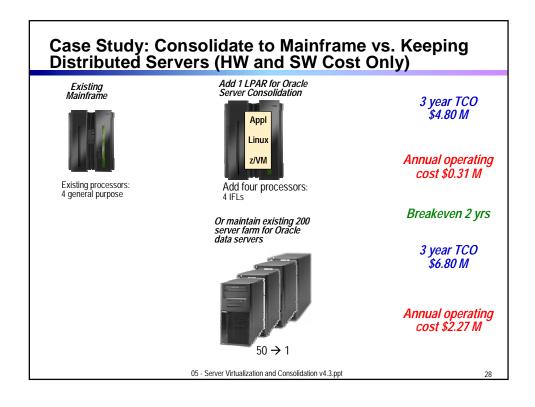


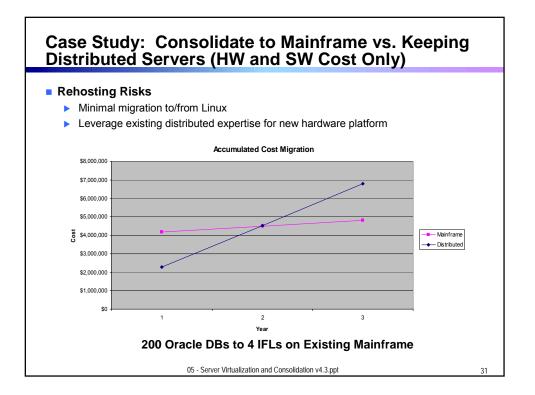


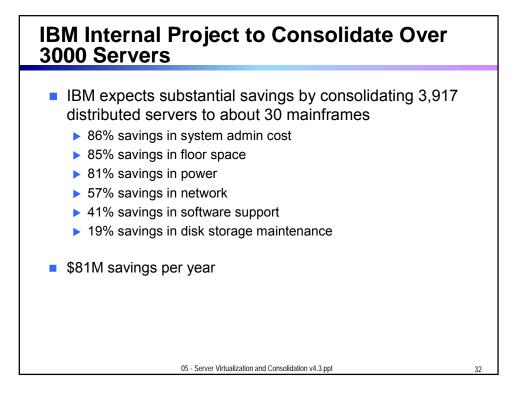


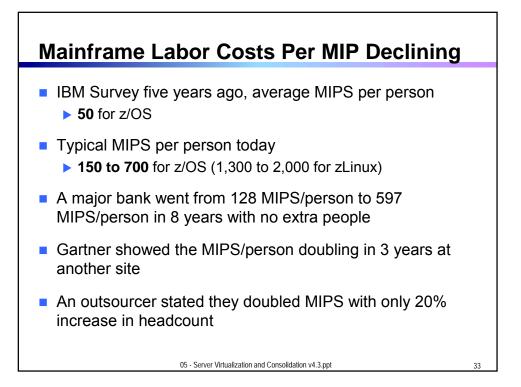


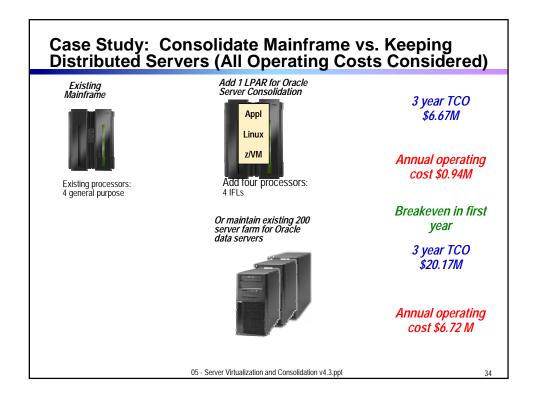


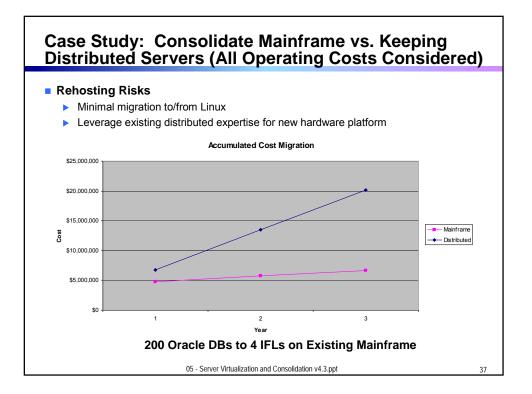


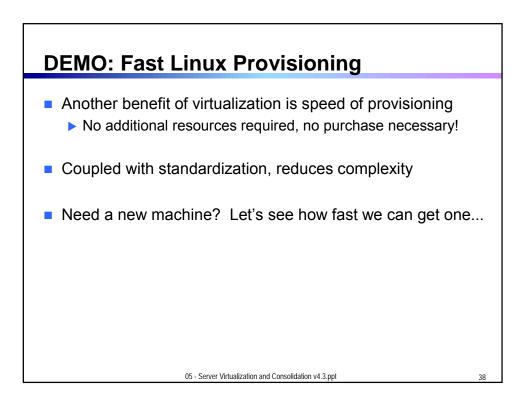












What About Using VMWare on Intel?

VMWare lacks the consolidation efficiency of z/VM

- Less efficient use of memory and storage
- Less efficient use of processors

	z/VM	VMWare
Maximum memory per virtual Linux server	More than 256GB	16GB
Maximum CPU's per virtual Linux server	Up to 64	Up to 4
Maximum "Active virtual memory" supported	Up to 8TB	16,384MB
Maximum real CPU's	Up to 32	Up to 32
Maximum virtual CPU's per core	Not Applicable	Up to 8
Maximum real memory	Up to 256GB	Up to 64GB
Maximum virtual servers per machine	>10,000s	128

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