

Running Oracle for z/Linux as a Sysplex Guest Under z/OS

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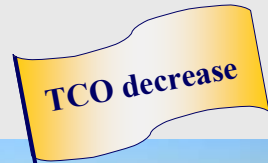
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EC- Group is a System Integrator for Major Corporate Customers

Basic activity –to decrease Total Cost of Ownership (TCO) for corporate customers via architecture consolidation

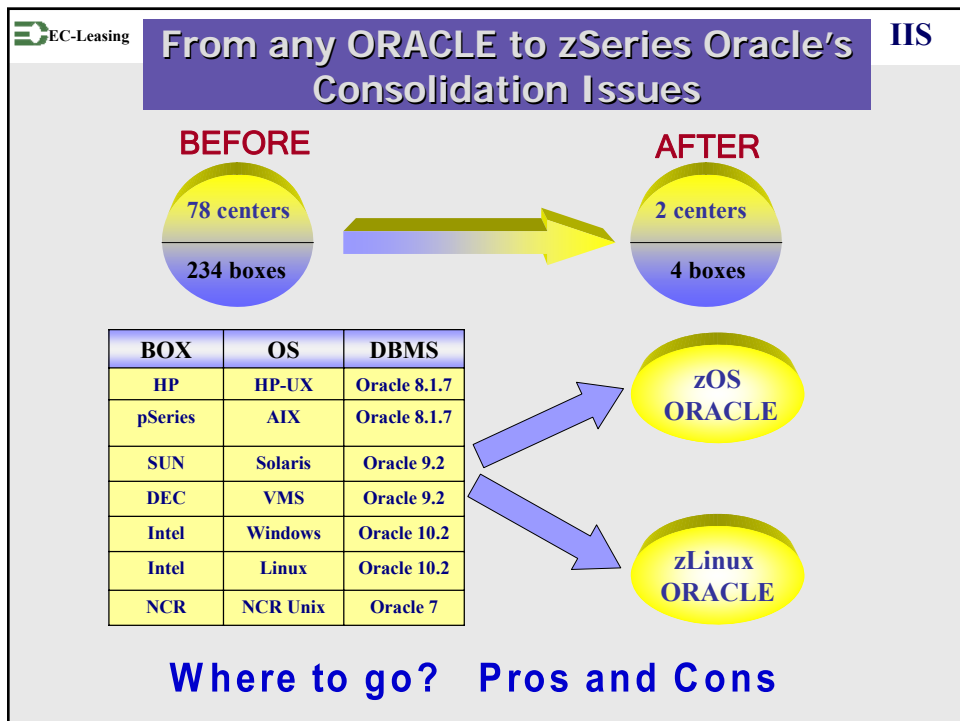
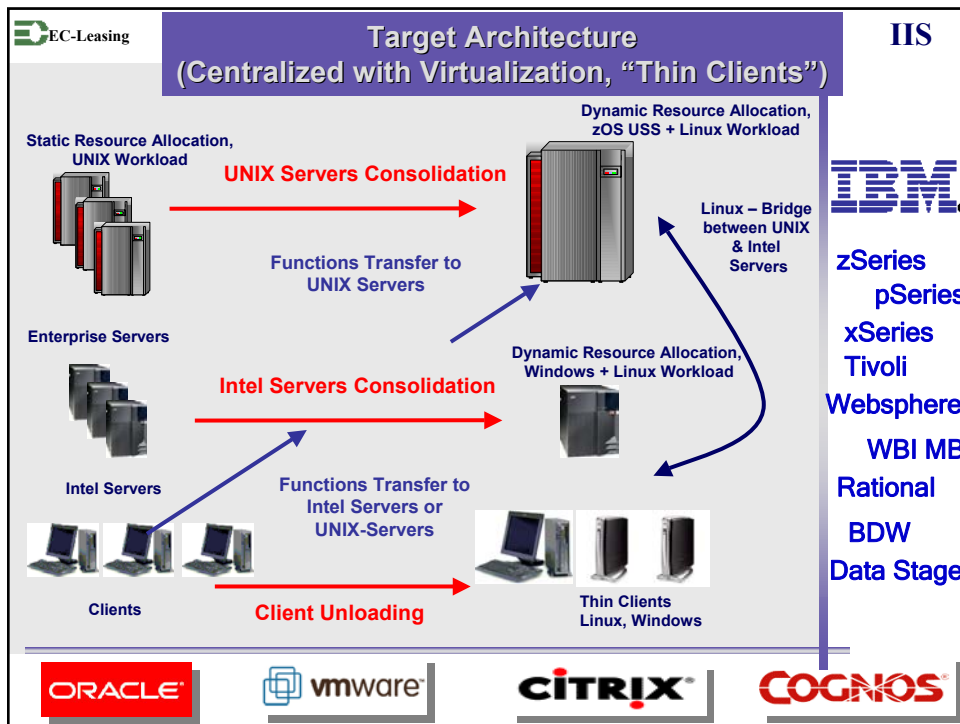
- EC-group:
 - EC-leasing
 - EC-engineering
 - EC-leasing soft
 } in Russia

- Global System Services (GSS)
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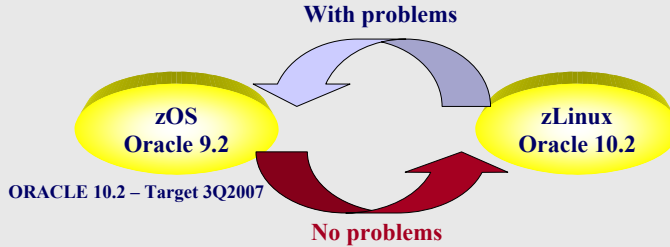


IBM BP in Russia, USA, Germany

ORACLE BP in Russia



Some Problems to Port Oracle Applications to zOS



DBMS Restrictions: ΔzOS vs. zLinux	Unsupported in zOS Features & Functions:
IEEE Standard Floating Point Number Restrictions Native compilation of Java or PL/SQL Oracle External Tables Oracle Scheduler Oracle Streams (DBMS_FILE_TRANSFER package not supported) Oracle Utilities (trace, dbnewid not supported) XML Database (WebDAV, HTTP, FTP access not supported)	Generic Connectivity using ODBC Oracle Data Mining Oracle Dynamic Services Server Oracle HTTP Server Oracle Messaging Gateway Oracle Real Application Cluster Guard Oracle JSP Oracle Workflow Oracle Workspace Manager

Functional and Security Issues to Compare on zSeries

Functional

zOS - zLinux
Oracle Functional Difference List

DBMS Features	zOS Oracle	zLinux Oracle
IEEE Standard FP Number Restrictions	-	+
Native compilation of Java or PL/SQL Agent	-	+
Oracle External Tables	-	+
Oracle Scheduler	-	+
Oracle Streams	- (DBMS_FILE_TRANSFER)	+
Oracle Utilities	- (trace, dbnewid)	+
XML Database	- (WebDAV, HTTP, FTP)	+

Security

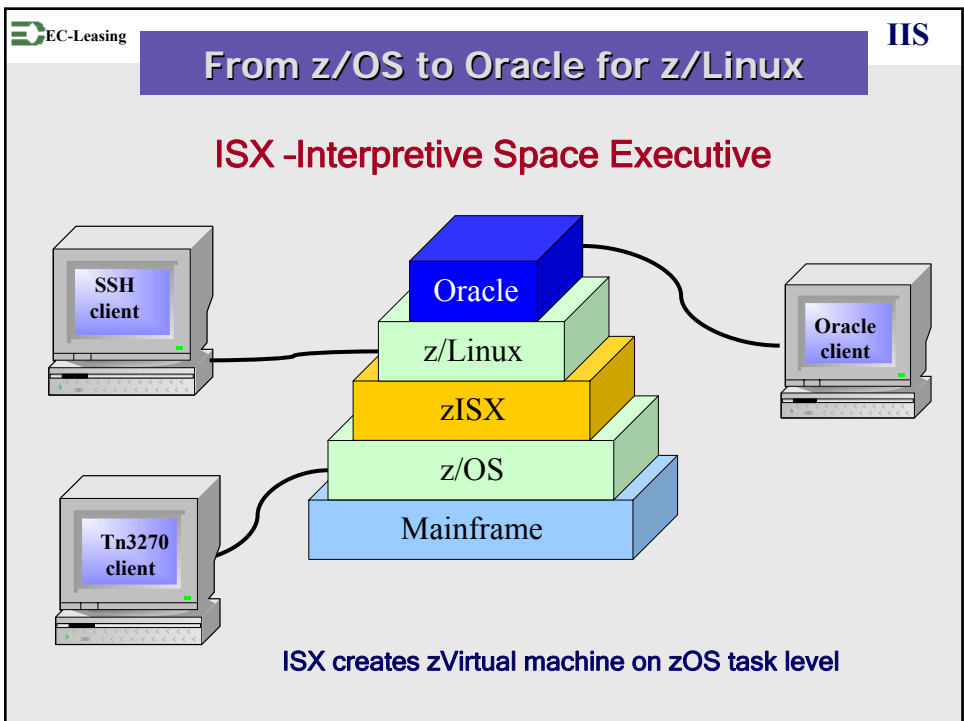
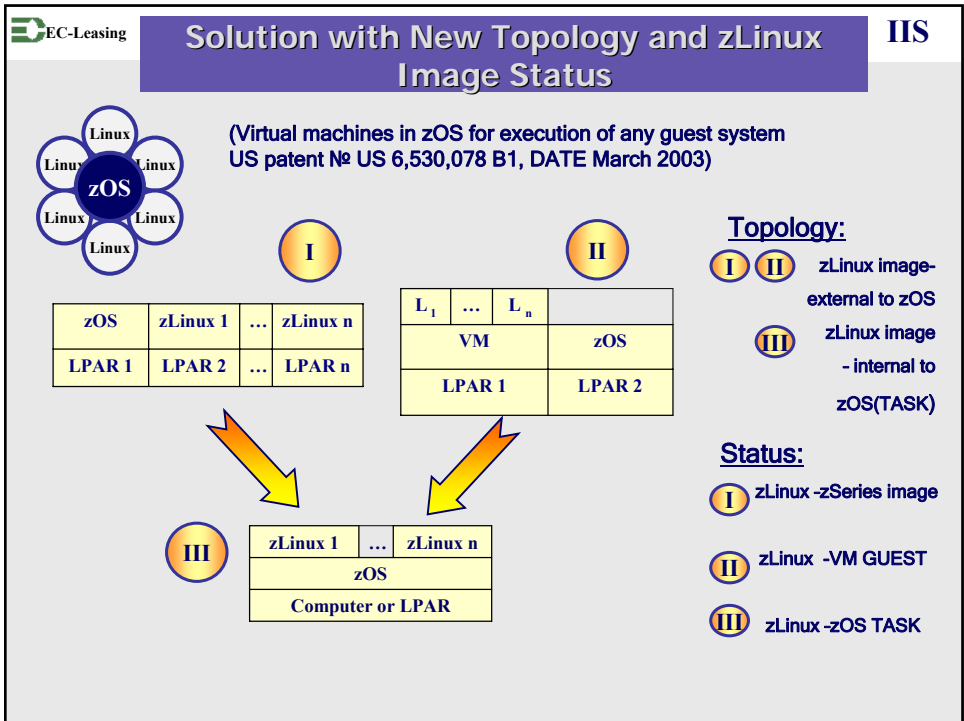
zOS - zLinux
Security Difference List

Features	zOS	zLinux
Availability from 8 hours to 5 minutes per year outages	Yes	No
Disaster recovery: distance more than 1000 km, recovery time less than 15 minutes	Yes	No

PORTABILITY,
MAINTAINABILITY



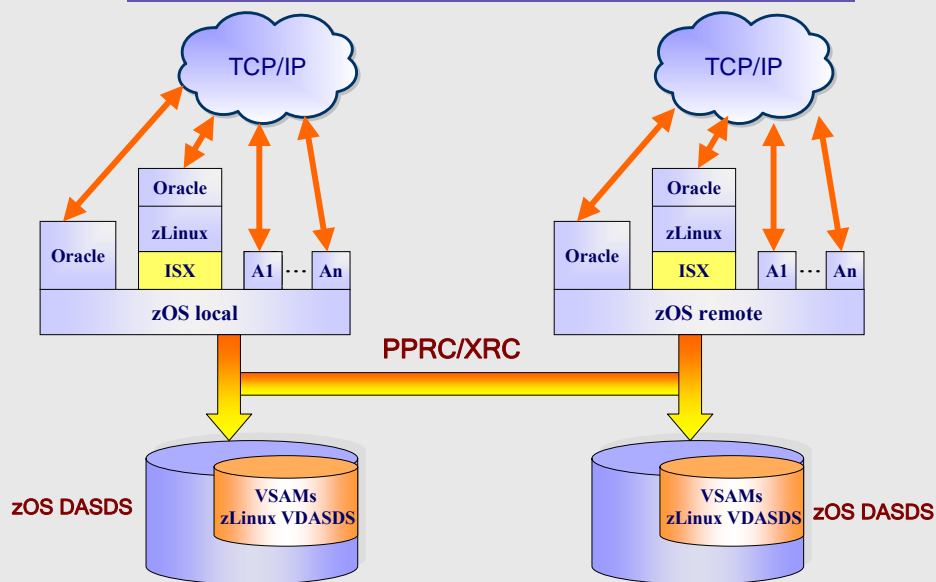
SECURITY



Using zOS Features for zLinux Virtualization

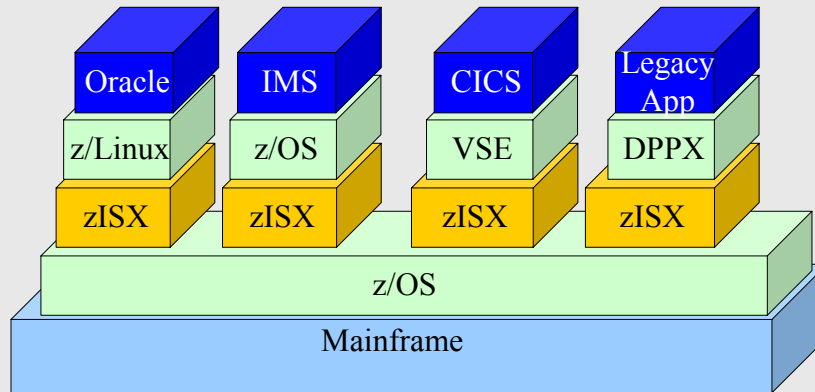
zLinux Feature / Status	ISX Feature / Status	zOS Feature
Console 3215 / Yes	V 3215 / Yes	zOS Console
ECKD DASD / Yes	VECKD / Yes	VSAM File
Tape / Yes	V Tape / Yes	VSAM File
CTC / Yes	V CTC / Yes	address space to address space
Printer / Yes	V Printer / Yes	Sysout
Ethernet / Yes Token ring / Yes	V Ethernet / Yes V TRN / Yes	address space to address space

General Structure of Solution



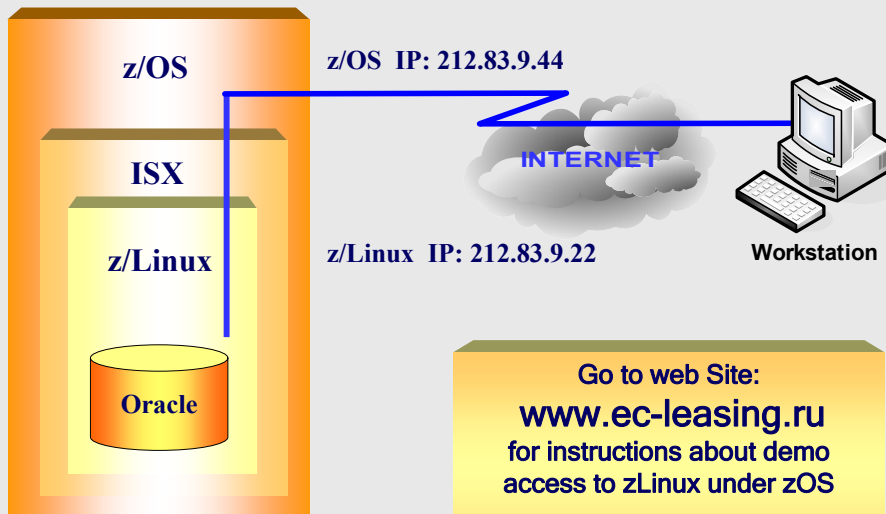
Other Uses for zISX

ISX -Interpretive Space Executive



Multiple instances of ISX can be used run multiple systems which can exploit full function and power of zOS

Demo Invitation



Go to web Site:
www.ec-leasing.ru
 for instructions about demo
 access to zLinux under zOS
 For US assistance, contact
manglin@gs-s.com (Monte Anglin)