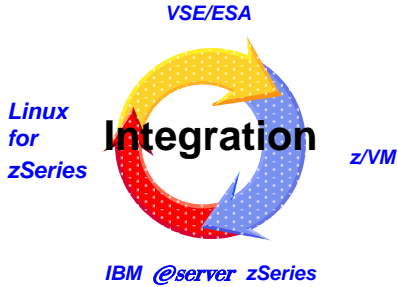


IBM Systems Group

Verbindungen schaffen mit z/VSE Heute und Morgen




Linux for zSeries VSE/ESA z/VM

Integration

IBM @server zSeries

Wilhelm Mild
IBM Deutschland
VSEESA@de.ibm.com

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DB2*	IBM logo*	VM/ESA*
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DB2 Universal Database	Intelligent Miner	VisualAge*
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	S/390*	z/Architecture
	SNAP/SHOT*	z/VM
		zSeries

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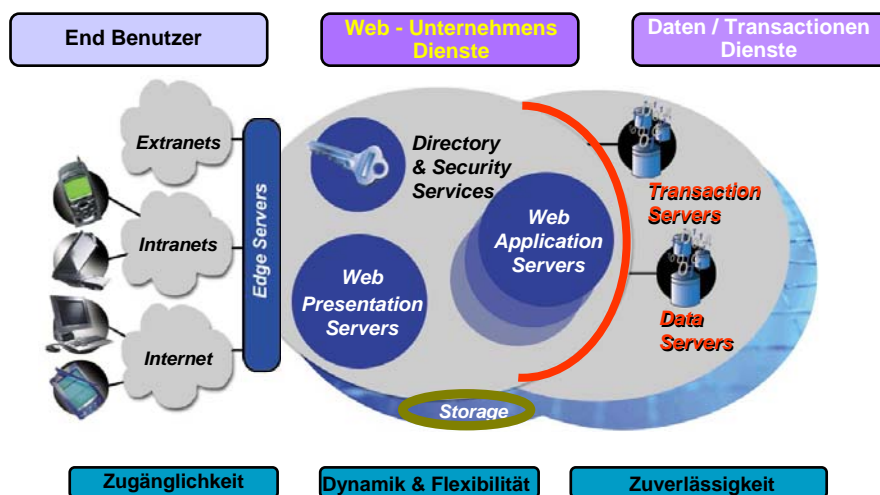
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IT Landschaft mit zSeries



• Universeller Zugriff zu Daten und Anwendungen über Plattformen und Netzwerke hinweg - eine aktuelle Notwendigkeit

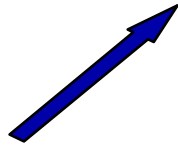
Infrastructure



VSE Vorankündigung 7. April 2004 – GA 1H 2005

VSE Rebranding

VSE/ESA 2.7



z/VSE 3.1

- z/VSE 3.1**
- Refocus (HW)
 - Rebranding
 - Repackaging

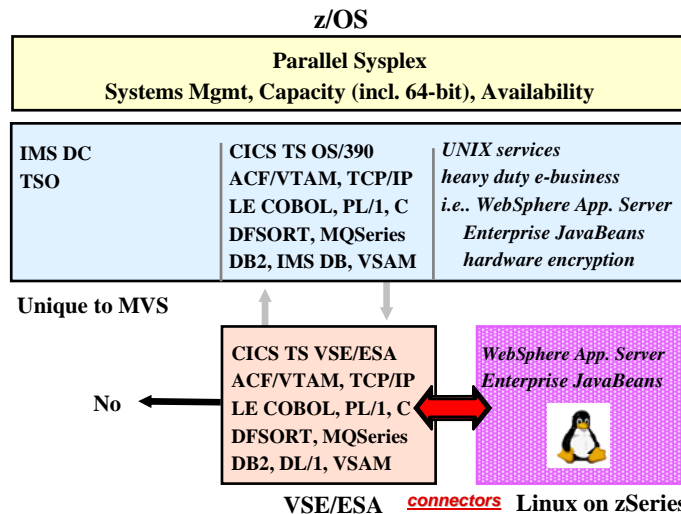
Entwicklungs Fokus in z/VSE 3.1:

- FCP SCSI Support in VSE
- Weiterentwicklung der Interoperabilität mit Linux for zSeries
- Ausnutzung der neuesten Hardware (Ficon Express, PCICA SSL)
- Upgrade zu z/VSE mit FSU

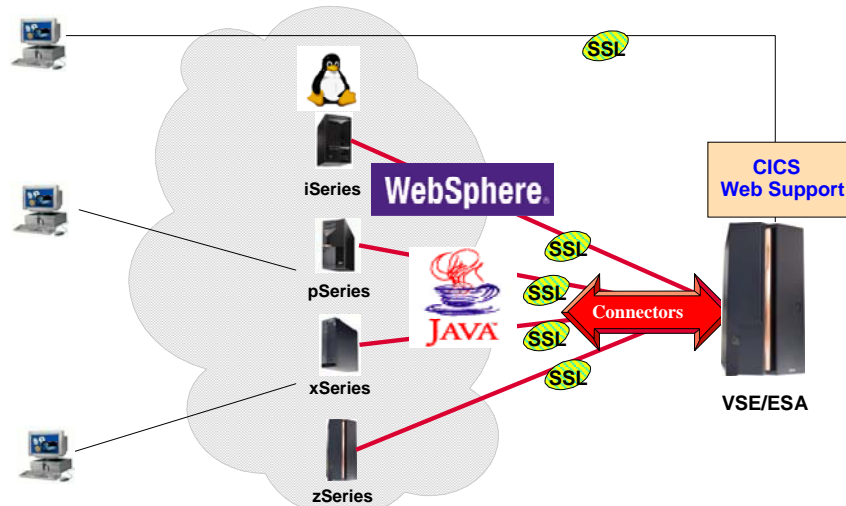
Die Vorankündigung soll zeigen in welche Richtung die Entwicklung geht und zeigt nicht den genauen Inhalt der Zukünftigen Version/Releases.

z/VSE can execute in 31-bit mode only. It does not implement z/Architecture, and specifically does not implement 64-bit mode capabilities.
z/VSE is designed to exploit selected features of IBM zSeries hardware .

Extending VSE/ESA with Linux on zSeries



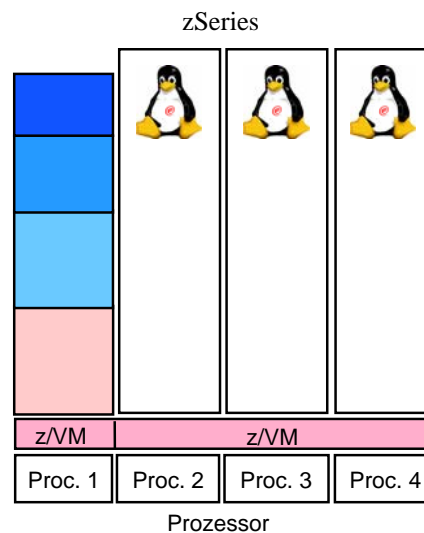
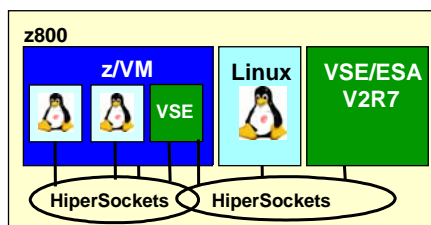
VSE/ESA ist offen zu den verschiedensten Plattformen



Optionen mit einer zSeries Maschine

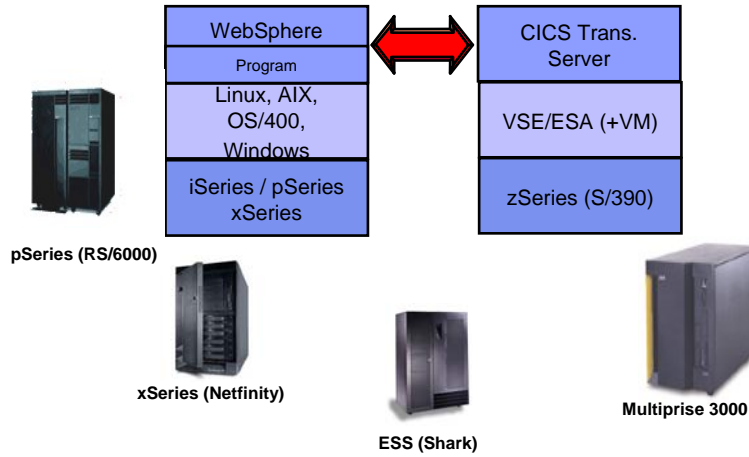
- Jedes IFL Modell hat mindestens einen 'Linux' Prozessor
- Auf einem IFL Prozessor, kann kein traditionelles Betriebssystem gestartet werden
- Einfacher Upgrade oder Downgrade

HiperSockets – network in the box



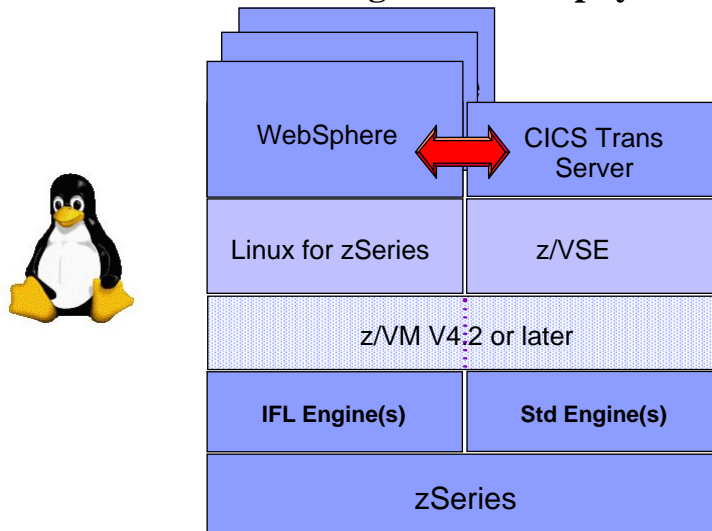
VSE Flexibilität im heterogenen Umfeld

3-tier logisch / 3-tier physisch

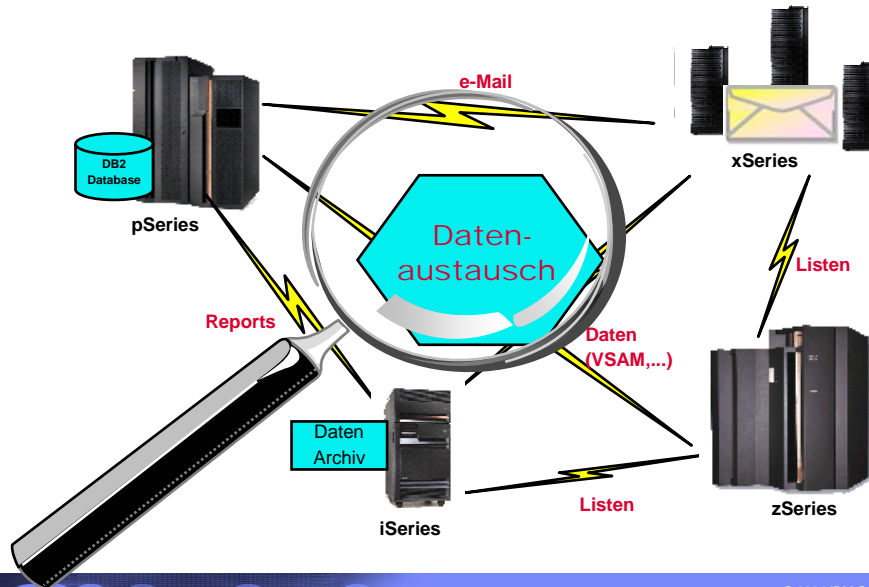


Linux for zSeries

3-tier logisch / 2-tier physisch

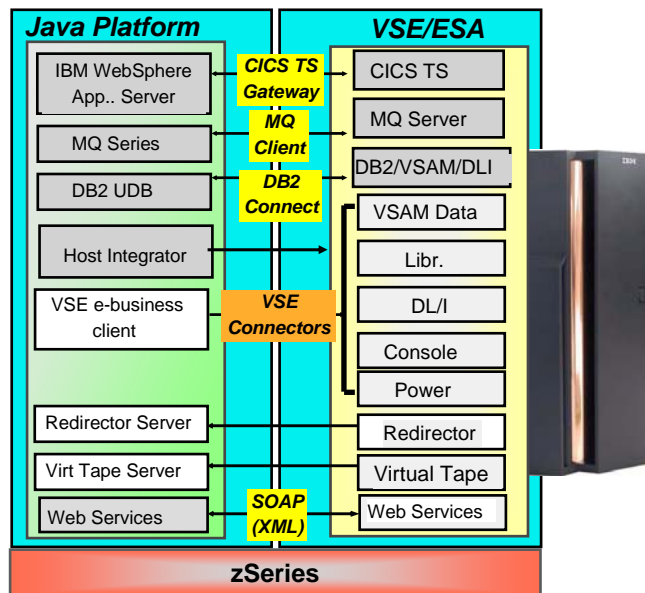


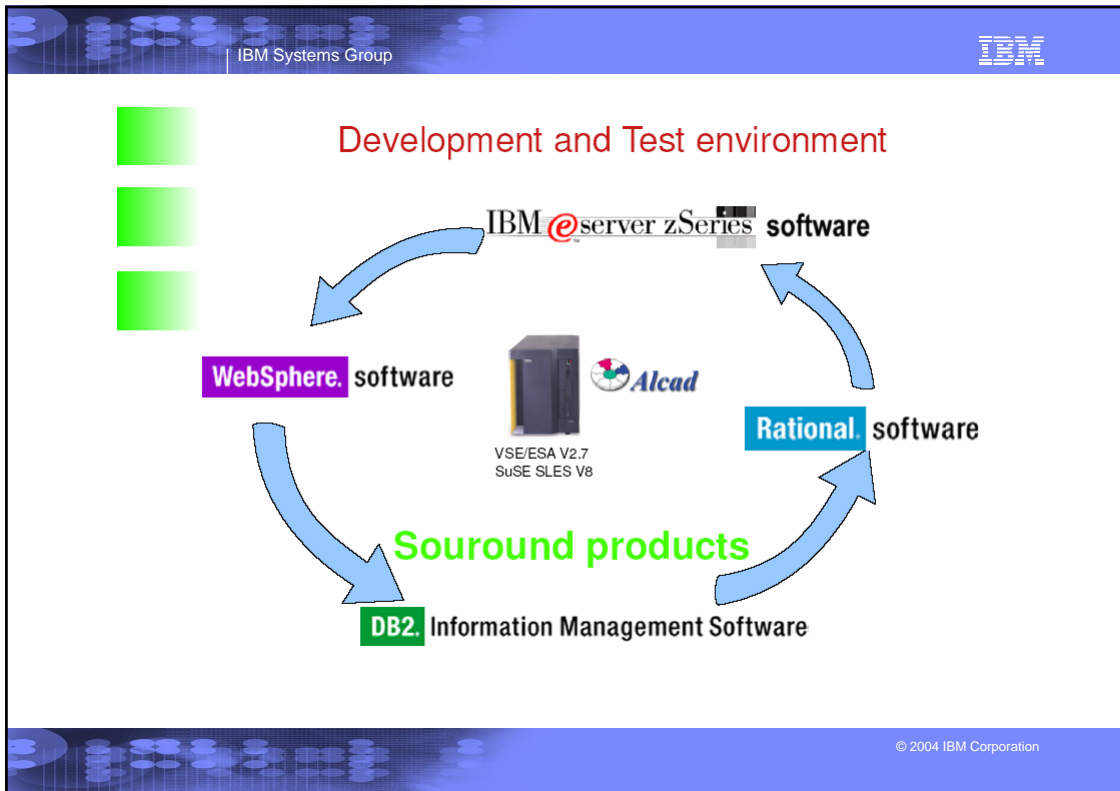
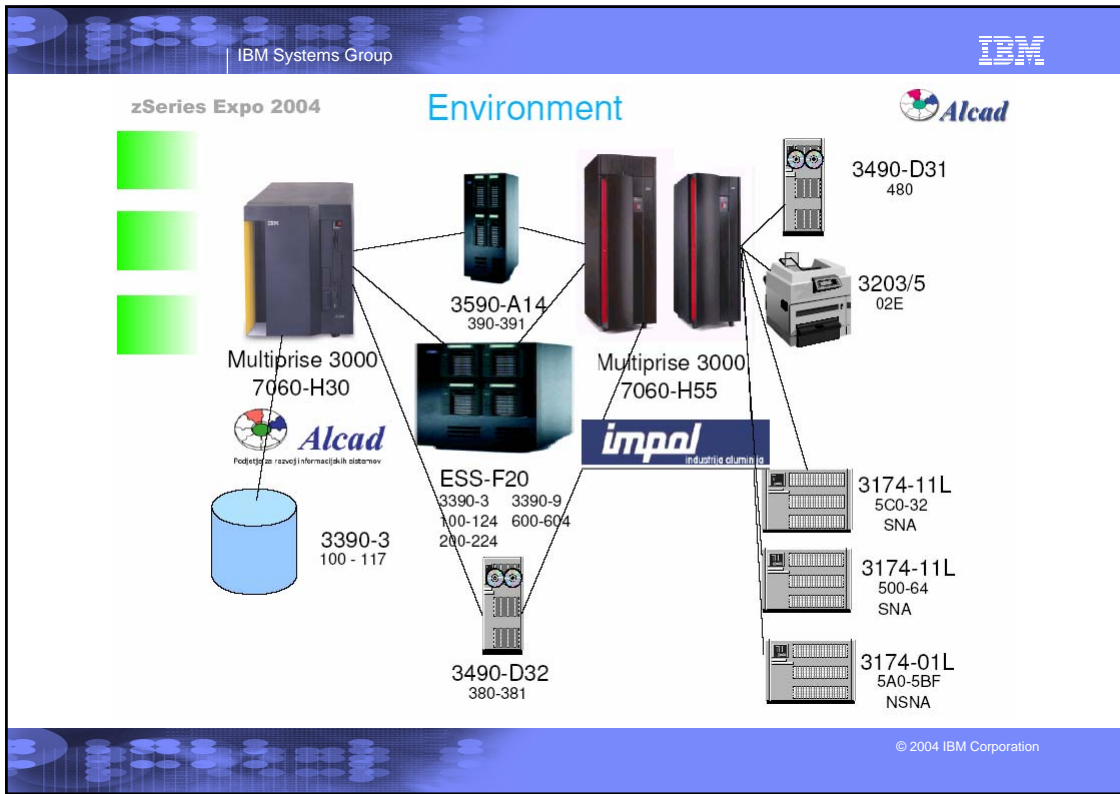
Situation heute



Middleware Relationen zu VSE/ESA

- Moderne Anwendungen mit Linux for zSeries
- Modernste Technologien interagieren mit VSE Diensten
- Modernisierung der It Landschaft durch direkten Zugriff auf die Daten





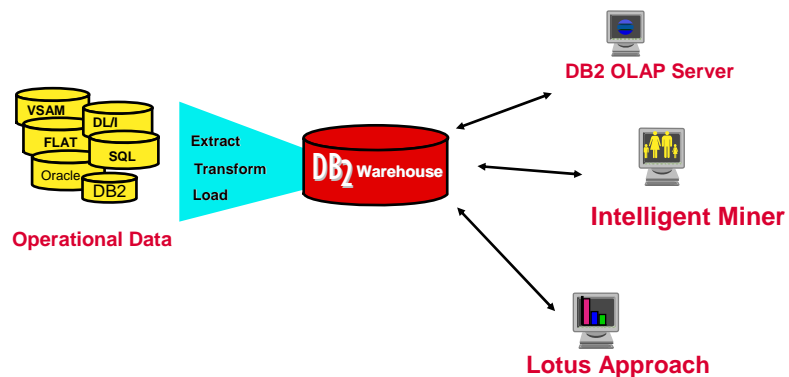
History of Alcad



	1995	2004
Employee	10	19
S/390	4381 - R14	Multiprise 3000-H30, Multiprise 3000-H55
Operating System	VSE/SP, VM/SP, OS/2	VSE/ESA V2.7, z/VM V4.2, SuSE SLES V8, Windows
Application Server	CICS/VSE	CICS/TS V1.1, WebSphere Application Server (WAS) V5.1 WebSphere Portal Server V5
Database	SQL/DS, VSAM,DLI/1, DB2/2	DB2 Server for VSE V7.3, DB2 UDB ESE V8.2, Rational Rose XDE Developer Plus, DB2 OLAP Server V8.1, DB2 OLAP Server Analyzer V8.1
Application Development Tools	CSP, PL/1 VisualAge SmallTalk	VisualAge Generator V4.5, WebSphere Studio Application Developer (WSAD) V5.1

Konnektoren ermöglichen Business Intelligence Lösungen mit VSE Daten

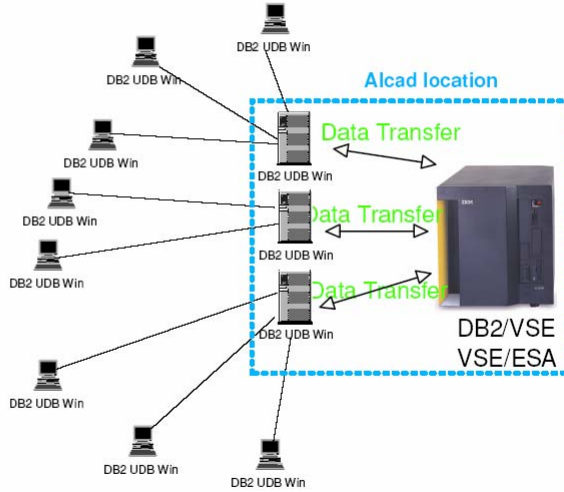
Integration verschiedenster Daten mit oder ohne Zwischenverarbeitung, in ein Data Warehouse



Database design - Client Server option



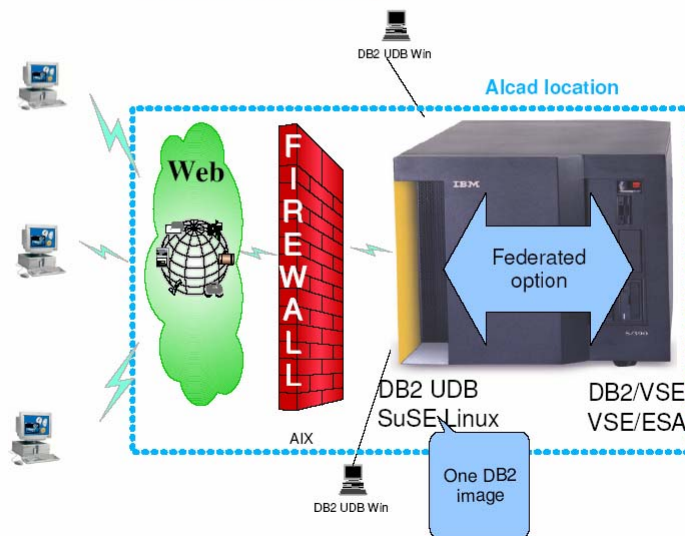
1998



Database design

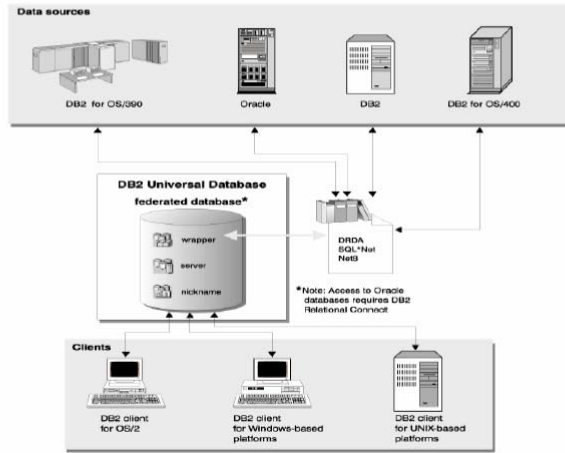


2004

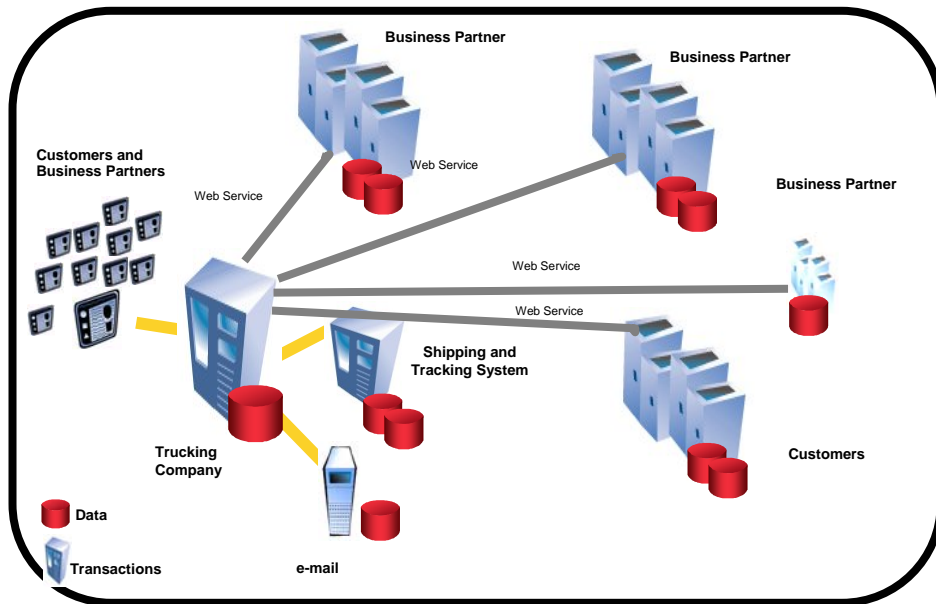


zSeries Expo 2004 Design, Applications and Solutions

Federated option





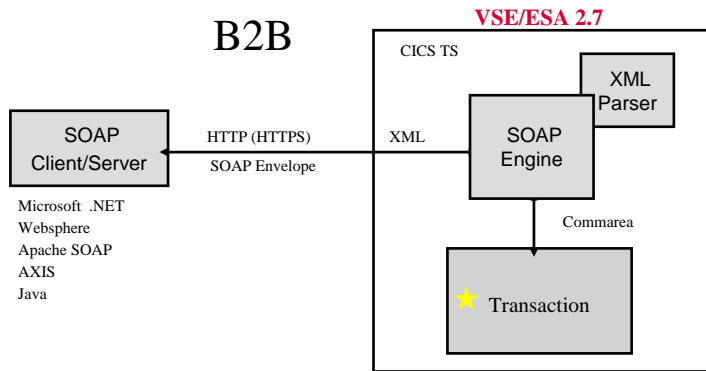
Roadmap für dynamisches e-business



VSE/ESA 2.7

Standard Methoden zur Integration von CICS Transaktionen als Web Services zum Daten austausch mit XML

'Legende'	
XML	
SOAP	
HTTP - Transport Dienst	
TCP/IP - Strasse	

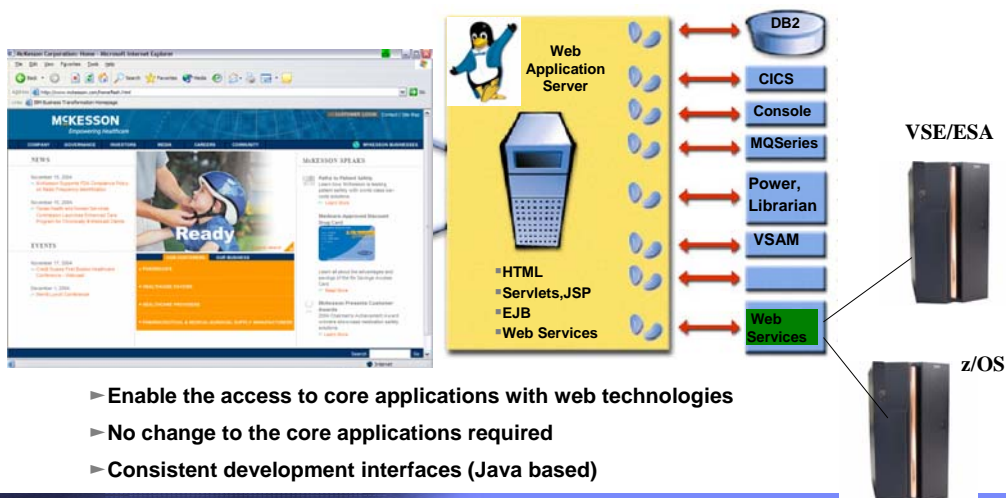


★ VSE/ESA Transaktionen als Web Service

Web Transaction processing via Web Services

(using the Websphere Software Platform and Connectors for VSE/ESA)


Mazda, Alcad/Impol – Referenz Kunden mit WAS auf Linux for zSeries



- ▶ Enable the access to core applications with web technologies
- ▶ No change to the core applications required
- ▶ Consistent development interfaces (Java based)

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VSE Tools auf der VSE/ESA Home Page



VSE/ESA e-business connectors and utilites - Mozilla

File Edit View Go Bookmarks Tools Window Help

Back Forward Reload Stop

IBM

Home | Products & services | Support & downloads | My account

→ Select a country

Servers > Mainframe servers > Operating Systems >

e-business connectors and utilites

This page provides an overview of the downloadable VSE/ESA e-business connectors and utilites and the related links below to get to the various details and download pages. This page contains the following sections:

- [Connector components](#)
- [Utilities](#)
- [Online books](#)

For information about APARs and PTFs for the VSE/ESA Connector component, please see [here](#)

Connector Components	
VSE Connector Client	11/2002 VSE/SAM JDBC Driver
Provides the VSE Java Beans class library, together with extensive online doc, Javadoc, and coding samples for all kinds of Java programs, like small applications, servlets, applets, and EJBs.	Provides a JDBC driver to issue SQL qt VSAM files. Is part of the VSE Connector VSE/ESA 2.6.

<http://www-1.ibm.com/servers/eserver/zseries/os/vse/support/vseconn/>

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Die Symbiose im z/... Zoo

Unter einer **Symbiose** versteht man das Zusammenwirken von Systemen zum beiderseitigen Vorteil.



Linux for zSeries



z/VM



z/VS1



IBM eServer zSeries

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Zusätzliche Informationen

- VSE/ESA Home Page
<http://www.ibm.com/servers/eserver/zseries/os/vse/>
- z/VM Home Page
<http://www.vm.ibm.com/>
- Linux for zSeries
<http://www-1.ibm.com/servers/eserver/zseries/os/linux/>
- VSE/ESA e-business Connectors and Utilities
<http://www-1.ibm.com/servers/eserver/zseries/os/vse/support/vseconn/conmain.htm>



- **NEW: Linux on zSeries: Connectors to z/OS and VSE** SG24-7042 (April 2004)

Wir freuen uns auf Ihre Kommentare : VSEESA@de.ibm.com