E20 Customer Experience

WebSphere and DB2 on Linux on zSeries connected with VSE

oskar.lang@alcad.si

zSeries Expo	Nov. 1 - 5, 2004

Miami, FL

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Alcad

This presentation based on true story ...

Alcad

Agenda

- Where we are?
- Who we are?
- History of Alcad
- Environment
- Applications, Design and Solutions
- Future

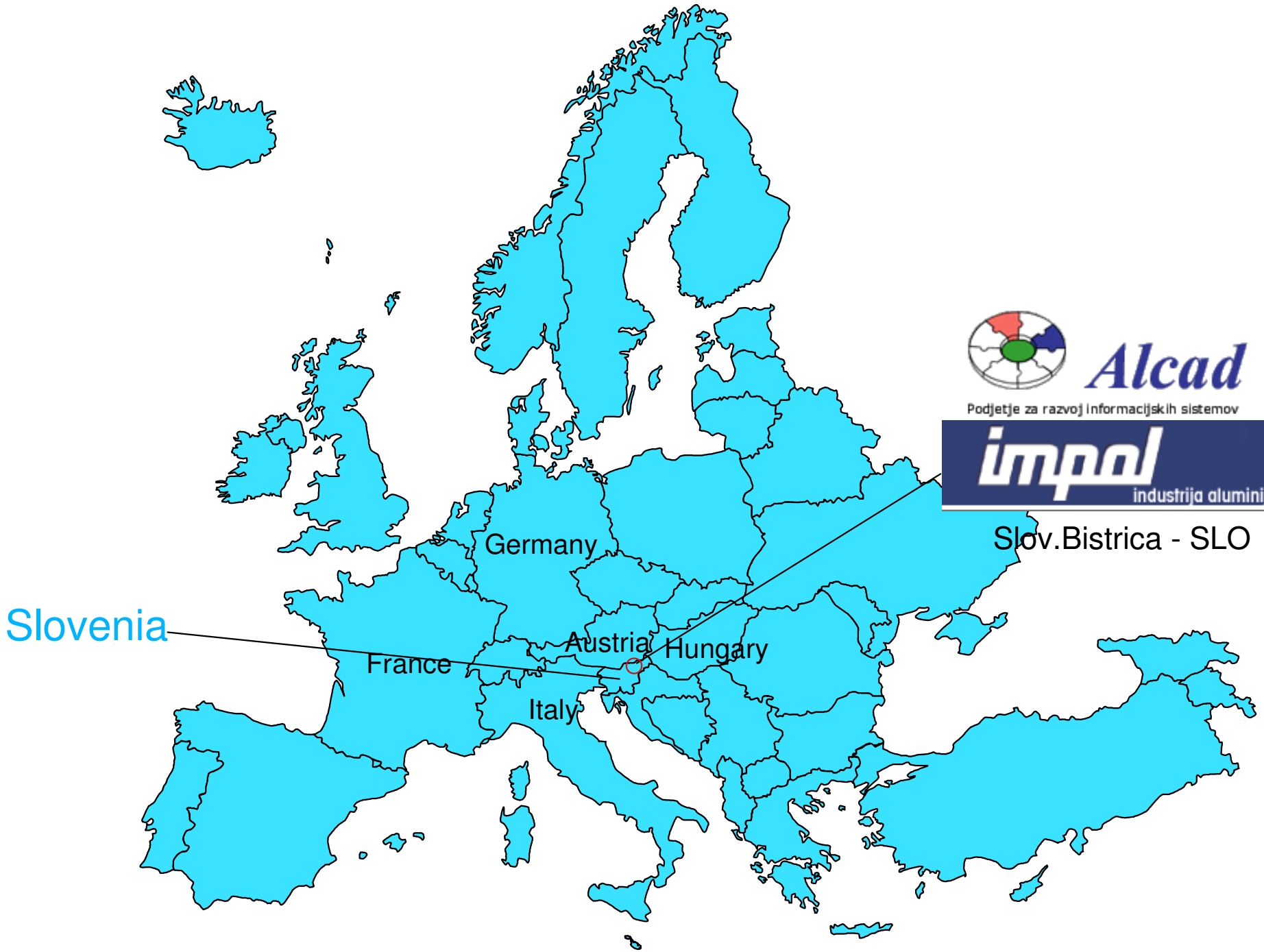
Alcad

Agenda

- **Where we are?**
- Who we are?
- History of Alcad
- Environment
- Applications, Design and Solutions
- Future

Where we are?

Alcad



Alcad

Podjetje za razvoj informacijskih sistemov

impol industrija aluminija

Where we are?

Alcad

IBM Sucess Story for Slovenia

2.000.000 citizens in Slovenia
25 S/390 or zSeries Customers ..... 80 K citizens/zSeries

USA (278M cit.) ..... 3.475 zSeries Customers
GER (82M cit.) ..... 1.025 zSeries Customers
FRA (59M cit.) ..... 737 zSeries Customers

Alcad

Agenda

- Where we are?
- **Who we are?**
- History of Alcad
- Environment
- Applications, Design and Solutions
- Future

Who we are?

About Alcad ...

- IS engineering & data processing Company
- Outsourced IT service provider for Impol
- IBM Business Partner
  - S/390 or zSeries (VSE/ESA, Linux on zSeries and z/VM)
  - Development tools (WebShere, VisualAge, Rational)
  - Information Management Software (DB2, OLAP, Warehouse)
- Project oriented team
- Reference customer for IBM (Linux on zSeries)
- Employing of 19 highly skilled workers
- Using only IBM Software and Hardware

Who we are?

About Impol ...

impol industrija aluminija

- One of Europe's leading aluminium manufacturers
- Producing a wide variety of specialised alloys, which are in turn used by manufacturers in the auto, aerospace and industrial sectors
- Producing more than 80,000 tons of rods, bars, tubes, foils and ingots
- Have more than 400 customers in 25 countries around the World
- Employing of 900 + 900 workers

Alcad

Who we are?

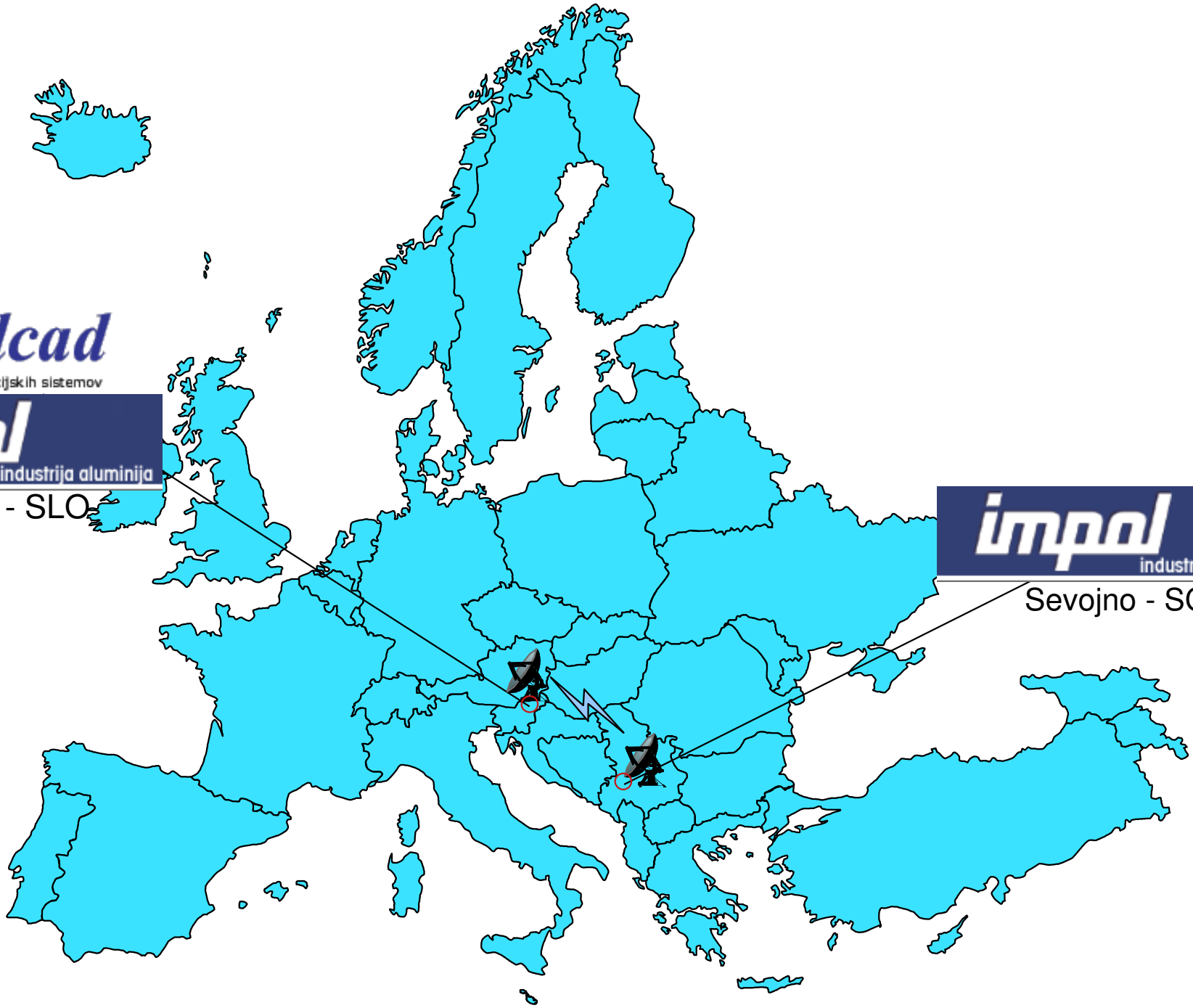
Alcad

Alcad

Podjetje za razvoj informacijskih sistemov

impol industrija aluminija

Slov.Bistrica - SLO



impol industrija aluminija

Sevojno - SCG

Alcad

Agenda

- Where we are?
- Who we are?
- **History of Alcad**
- Environment
- Applications, Design and Solutions
- Future

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,DL/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

History of Alcad

S/390:

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IBM 4381 - R14

Multiprise 2000

Multiprise 3000
7060-H55

Alcad

Multiprise 3000
7060-H30

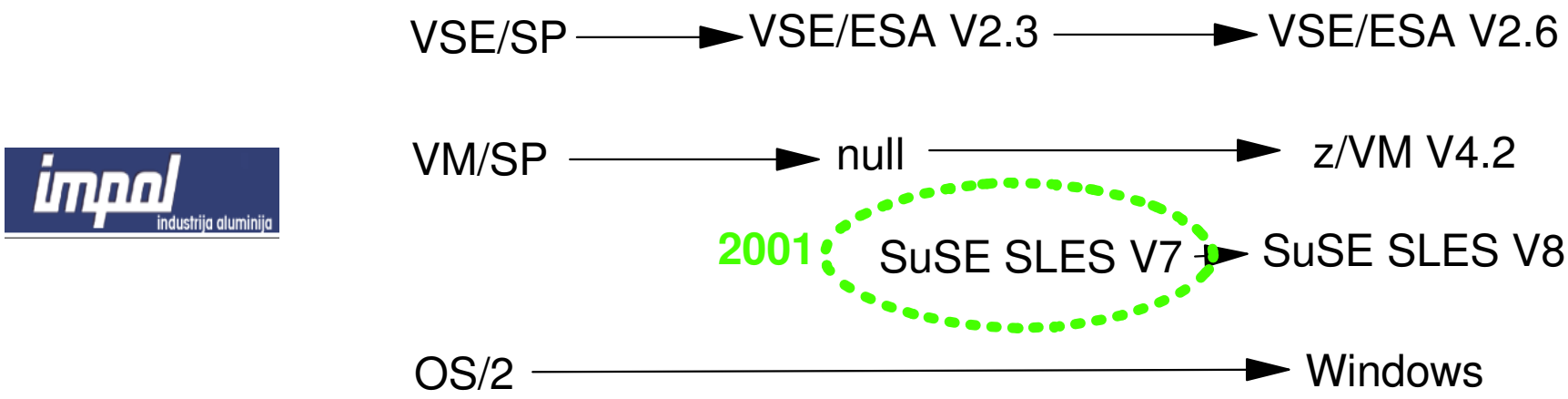
IBM PC Server
System/390

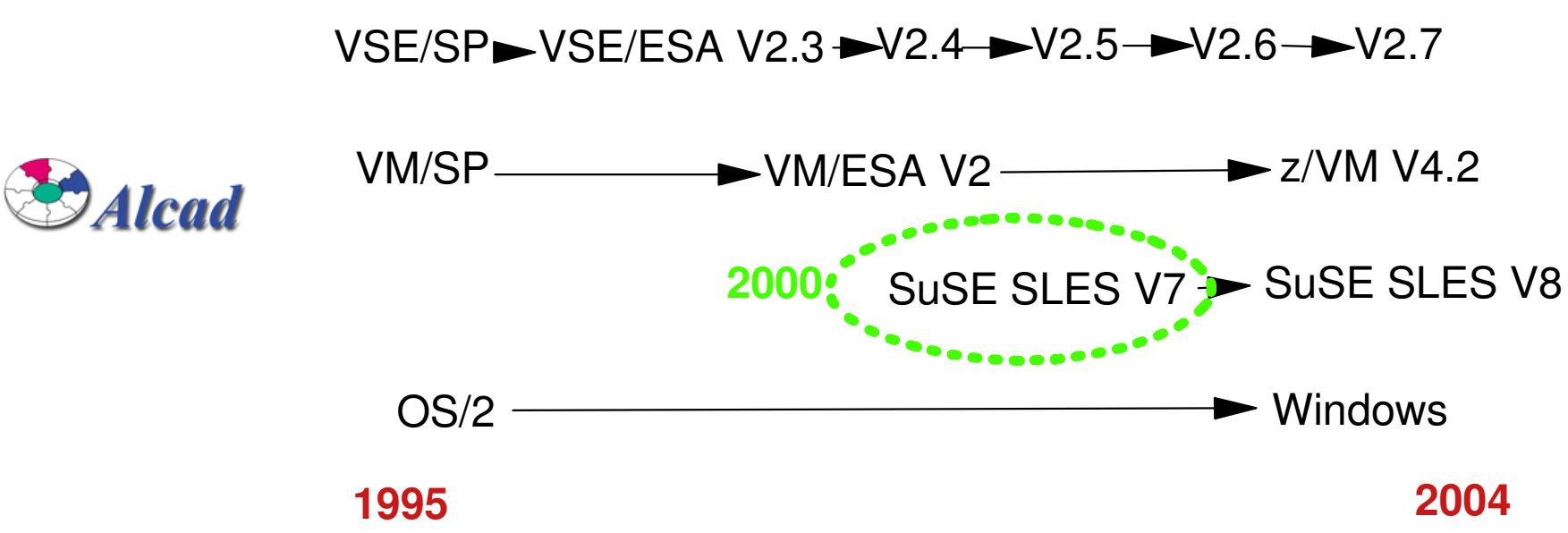
1995

2004

History of Alcad

Operating System:





History of Alcad

Application Server:

CICS/VSE → CICS/TS V1.1

2001: WAS V3.5 → WAS V4 → WAS V5.1

CICS/VSE → CICS/TS V1.1

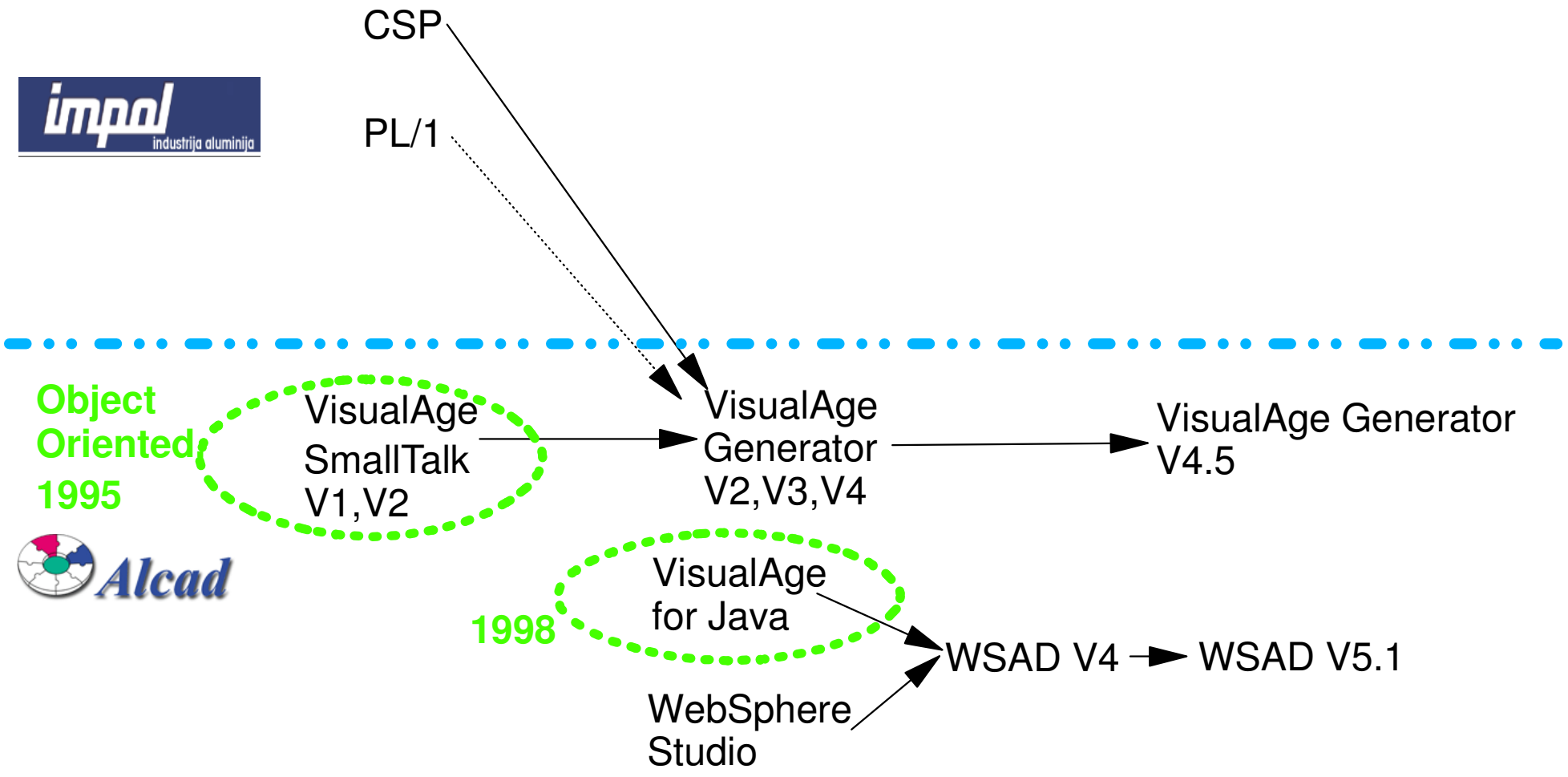
2000: WAS V3.5 → V4 → V5.0 → WAS V5.1

WS Portal V5

1995 2004

History of Alcad

Application Development Tools:



History of Alcad

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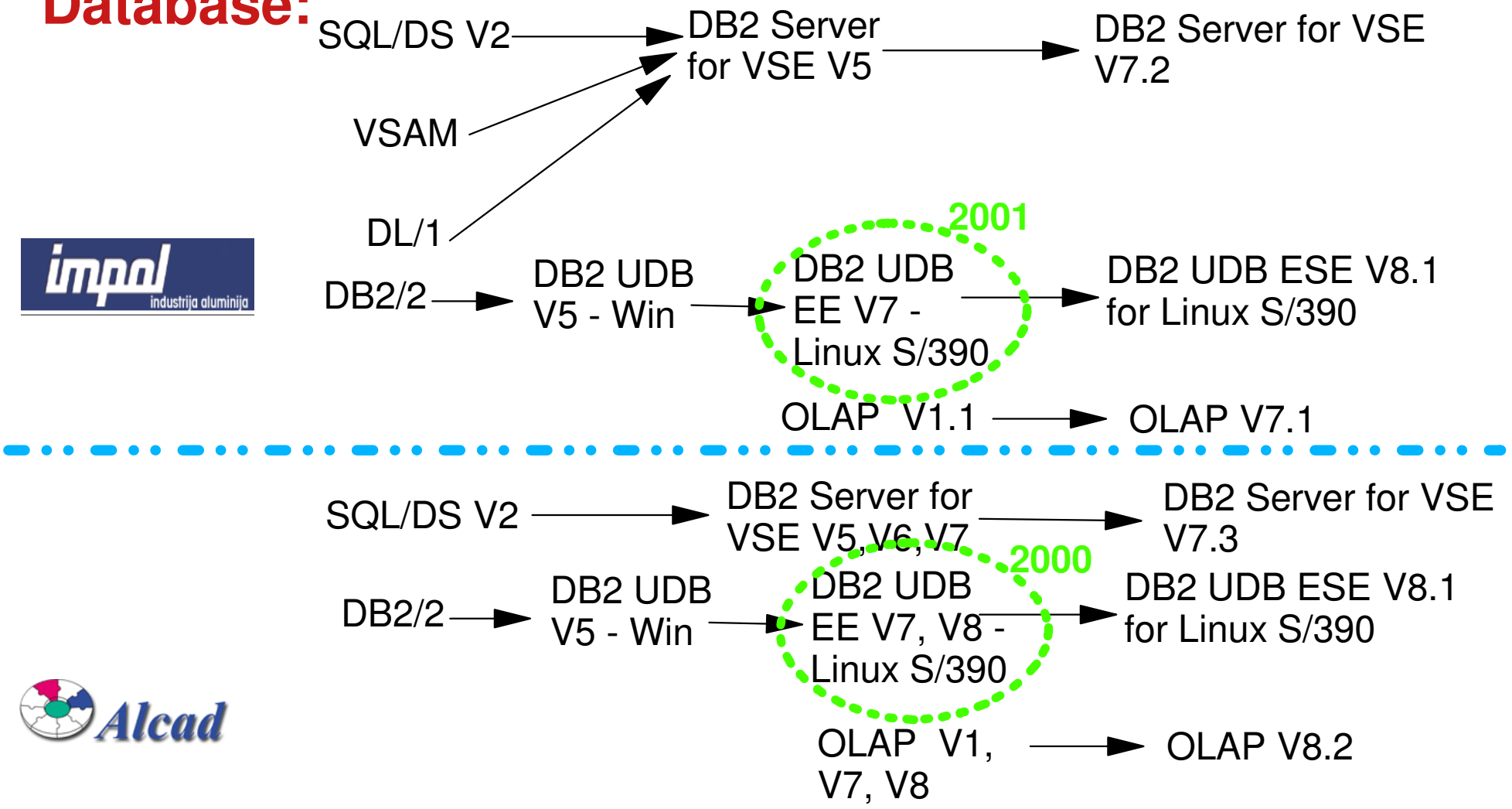

IBM Rational Rose XDE Developer plus V2003

1995

2004

Alcad

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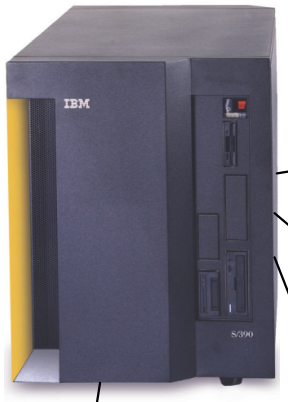
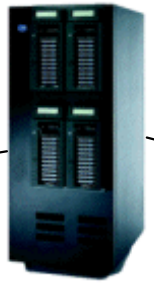
- **Environment**
- Applications, Design and Solutions
- Future

Environment

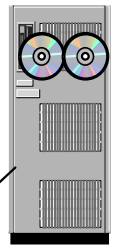


Multiprise 3000
7060-H30



3590-A14
390-391

Multiprise 3000
7060-H55



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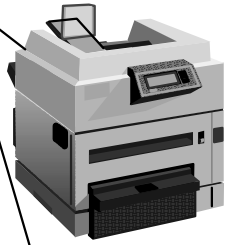

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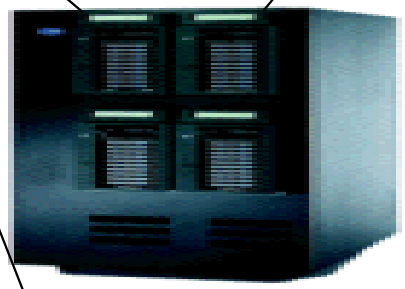
02E

Alcad
Podjetje za razvoj informacijskih sistemov



ESS-F20
3390-3 3390-9
100-124 600-604
200-224

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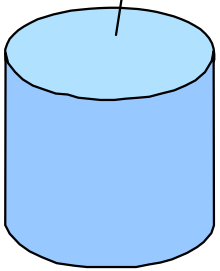
industrija aluminija



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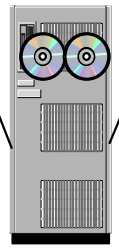
100 - 117



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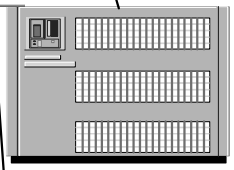

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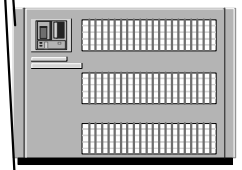
SNA



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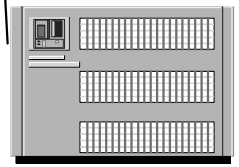

3174-01L
5A0-5BF
NSNA

Environment

Alcad
Podjetje za razvoj informacijskih sistemov

Multiprise 3000
7060-H30

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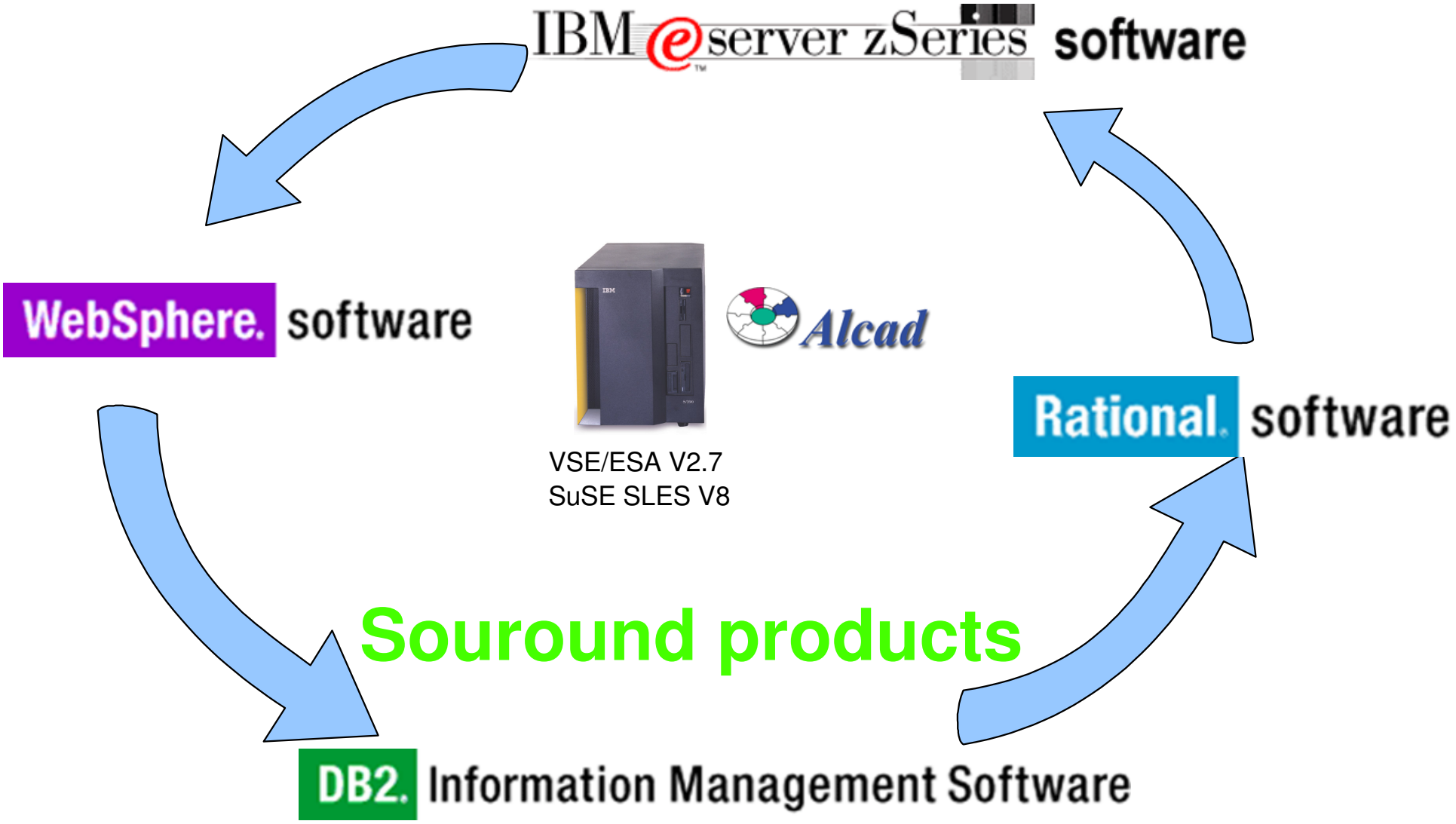
Multiprise 3000
7060-H55

z/VM V4.2	
VSE/ESA V2.7 TCP/IP V1.5.0 VAGEN V1.2.0 ICKDSF 1.17.0 DB2/VSE V7.3.0 DB2 DR V7.3.0 DB2 CC V7.3.0 ASN/VSE V7.3.0 DFSORT 3.4.0 CICS/TS 1.1.1 VTAM 4.2.0 OSA/SF 6.7.0 LE/VSE 1.4.3 DITTO 1.3.0 EREP 3.5.0 VSE CONN. 6.7.0 HLASM 1.4.0 COBOL 1.1.0	SuSE SLES V8 DB2 UDB ESE V8.1 WAS V5.1

z/VM V4.2		
VSE/ESA V2.6 TCP/IP V1.4.0 VAGEN V1.2.0 ICKDSF 1.16.0 DB2/VSE V7.2.0 DB2 DR V7.1.0 DB2 CC V7.1.0 ASN/VSE V7.1.0 DFSORT 3.4.0 CICS/TS 1.1.1 VTAM 4.2.0 OSA/SF 6.6.0 LE/VSE 1.4.2 DITTO 1.3.0 EREP 3.5.0 VSE CONN. 6.6.0 HLASM 1.4.0	SuSE SLES V8 DB2 UDB ESE V8.1	SuSE SLES V8 WAS V5.1

Environment

Development and Test environment



Environment

Production environment

IBM eserver zSeries software

VSE/ESA V2.6
SuSE SLES V8

WebSphere. software

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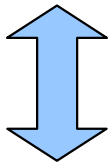
Souround products

DB2. Information Management Software

Environment

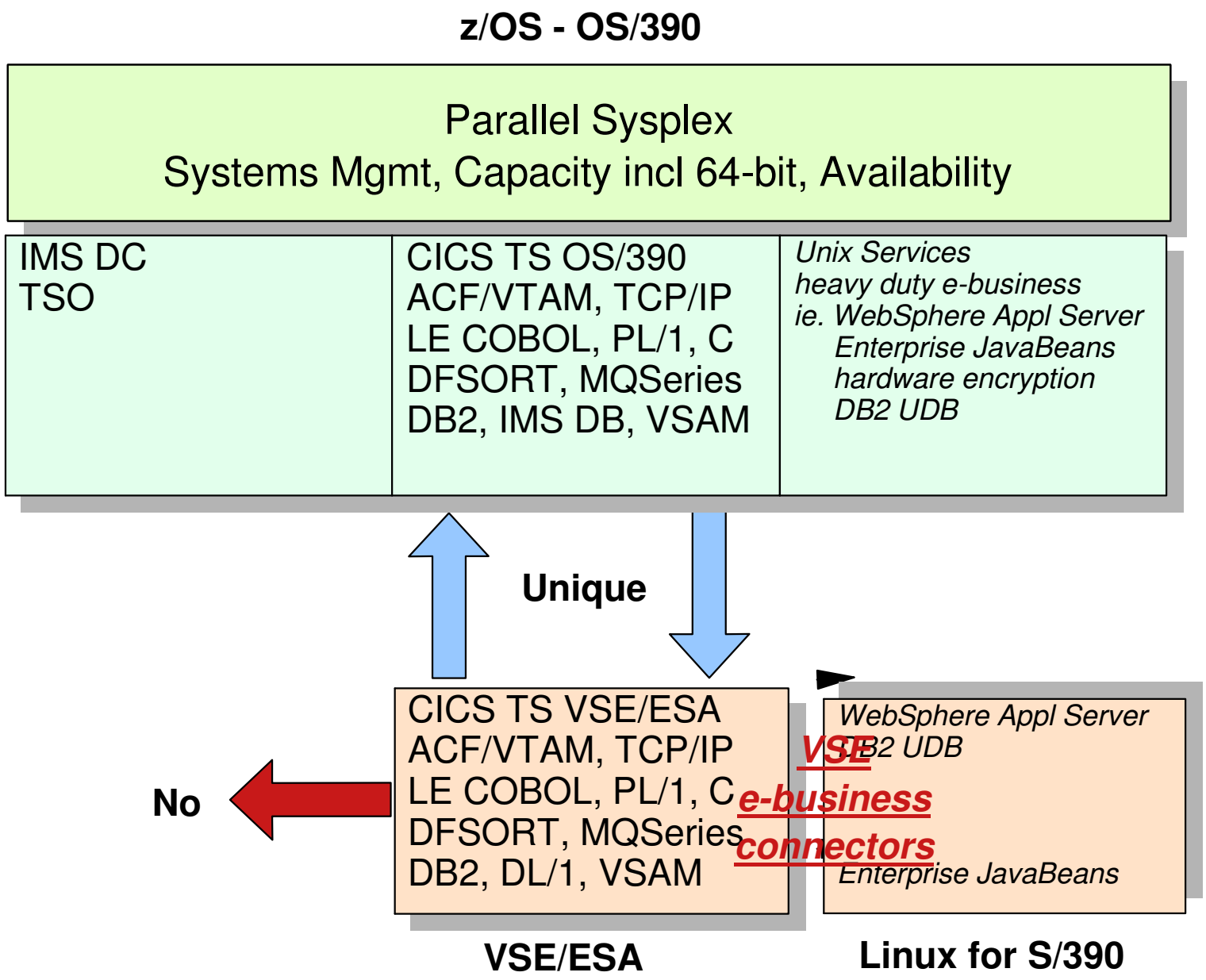
IBM S/390 Customers meeting, Zemono (SLO), 28.6.2001:
Session: "e-business with Linux for zSeries and S/390"

What is Unix Services for OS/390 or z/OS



Is Linux S/390 for VSE/ESA V2.6

Environment



Alcad

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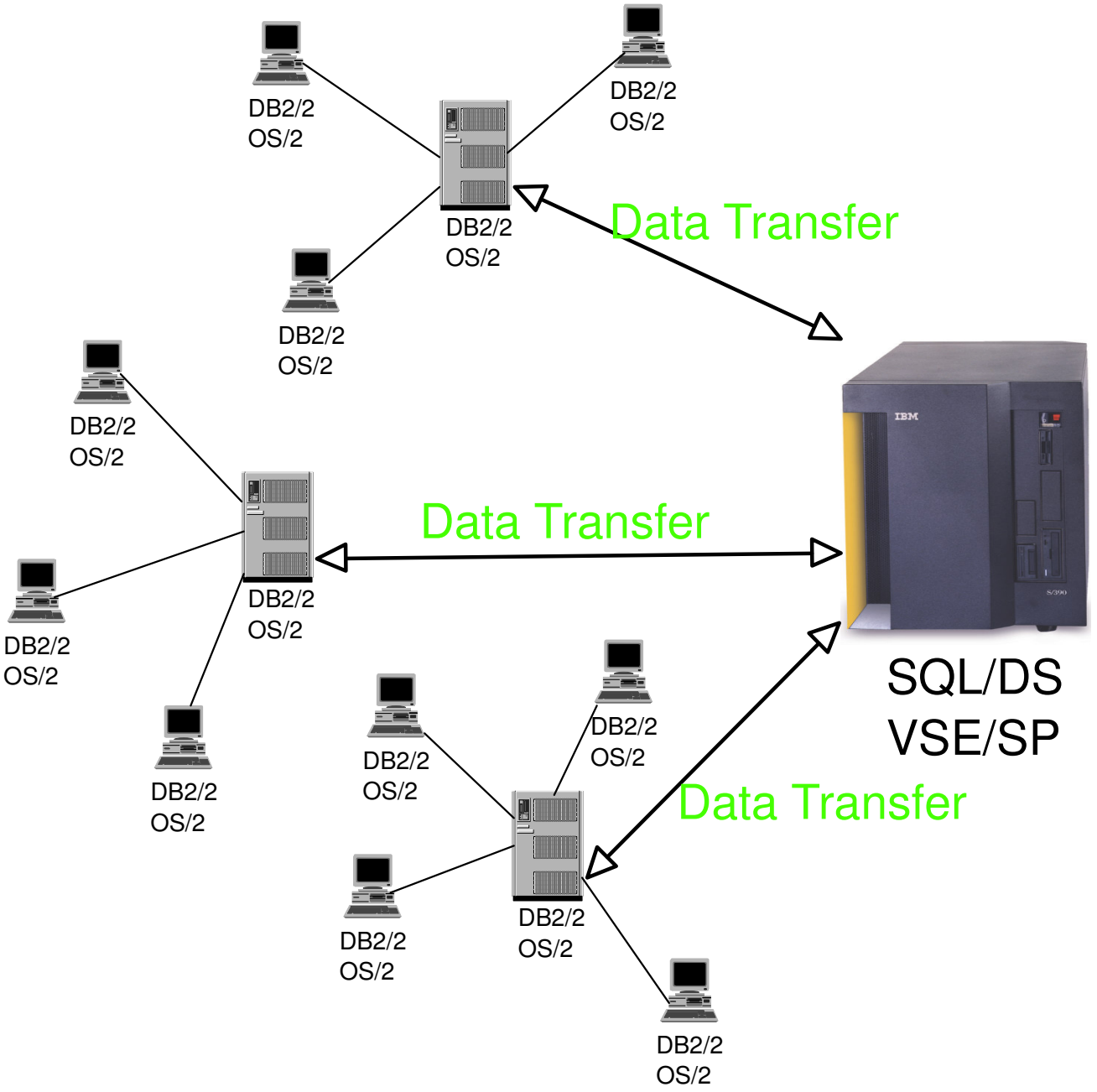
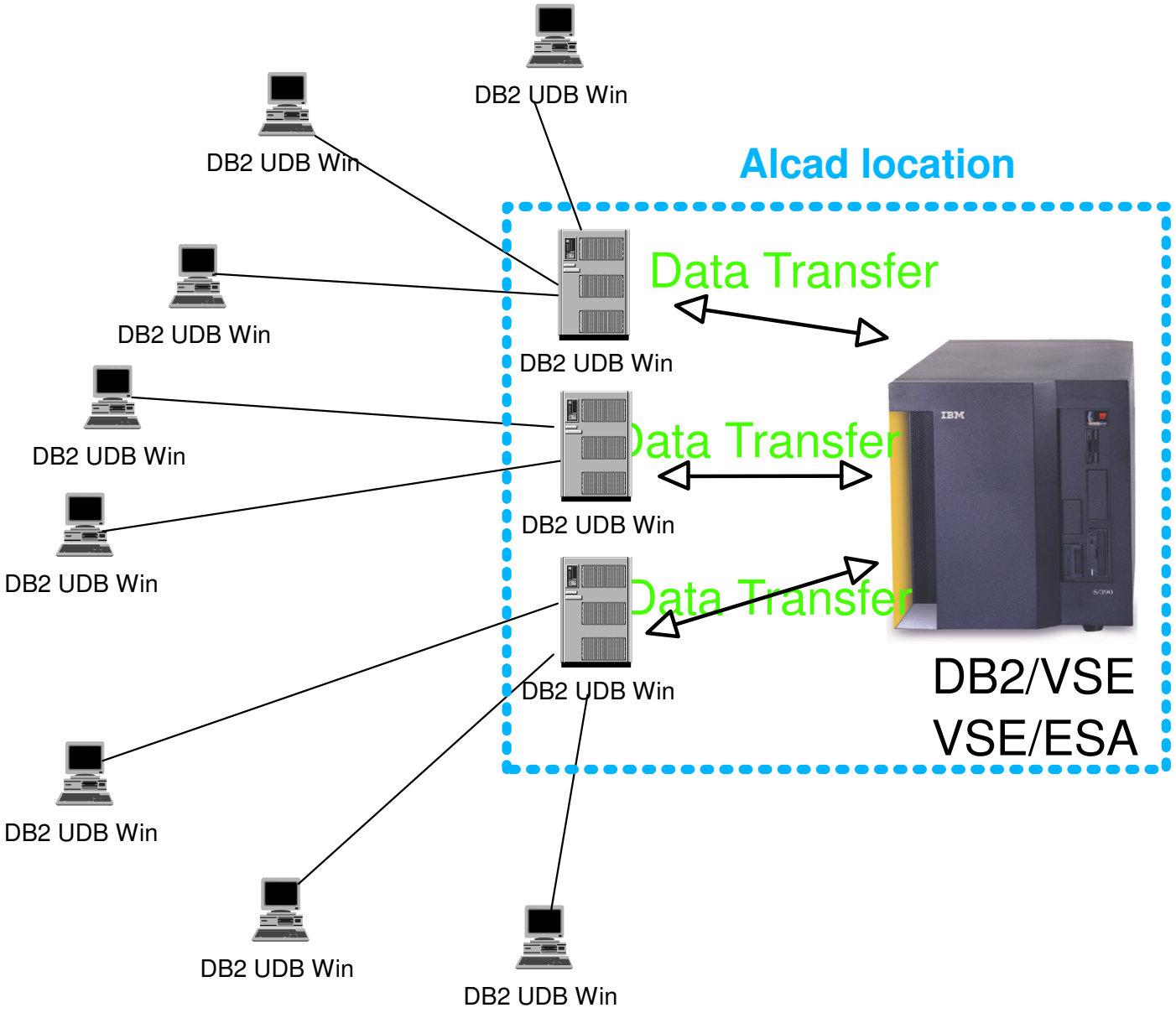
- **Design, Applications and Solutions**
- Future

Database design - Client Server option



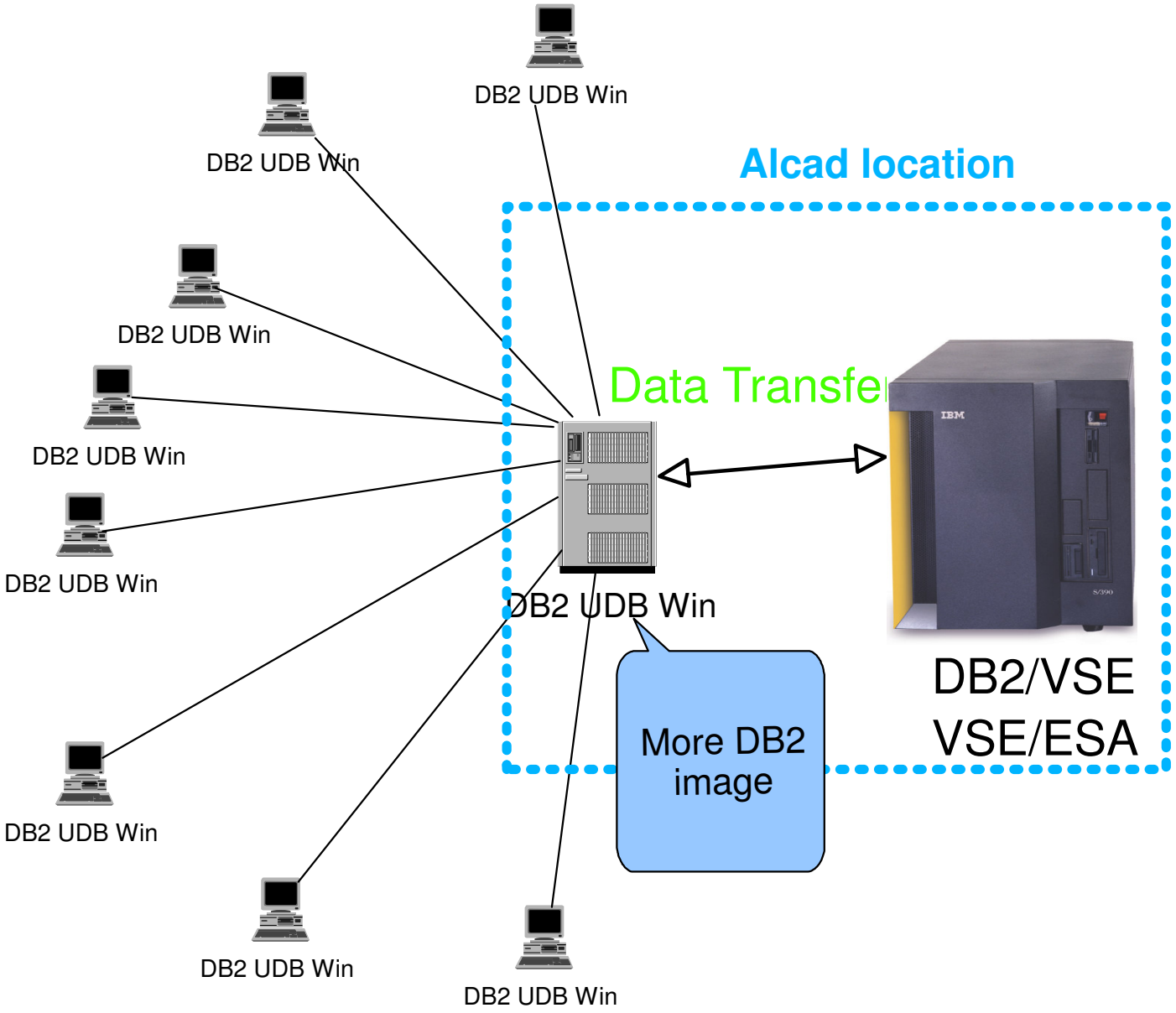
1995

Database design - Client Server option



1998

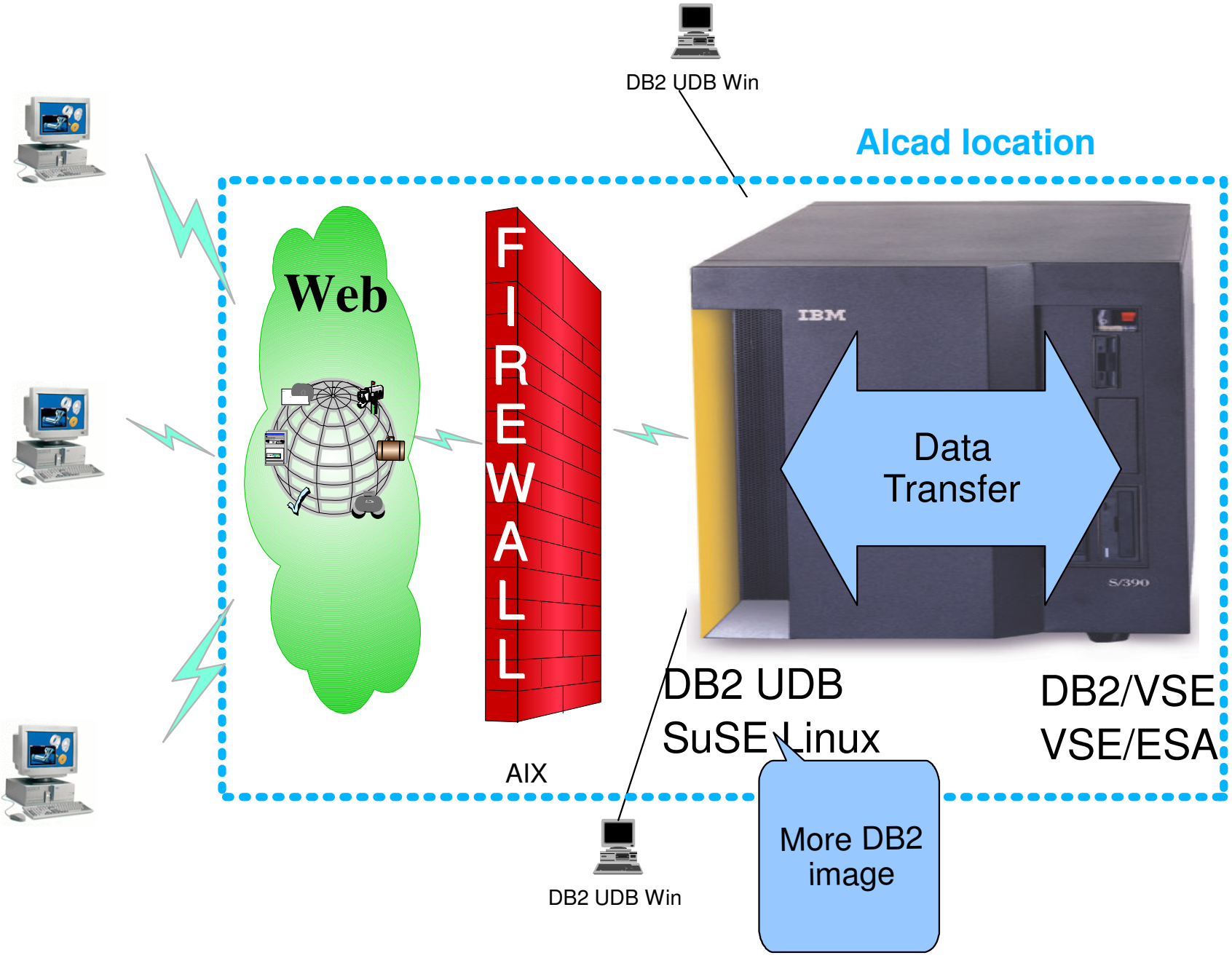
Database design - Client Server option



1999

Design, Applications and Solutions

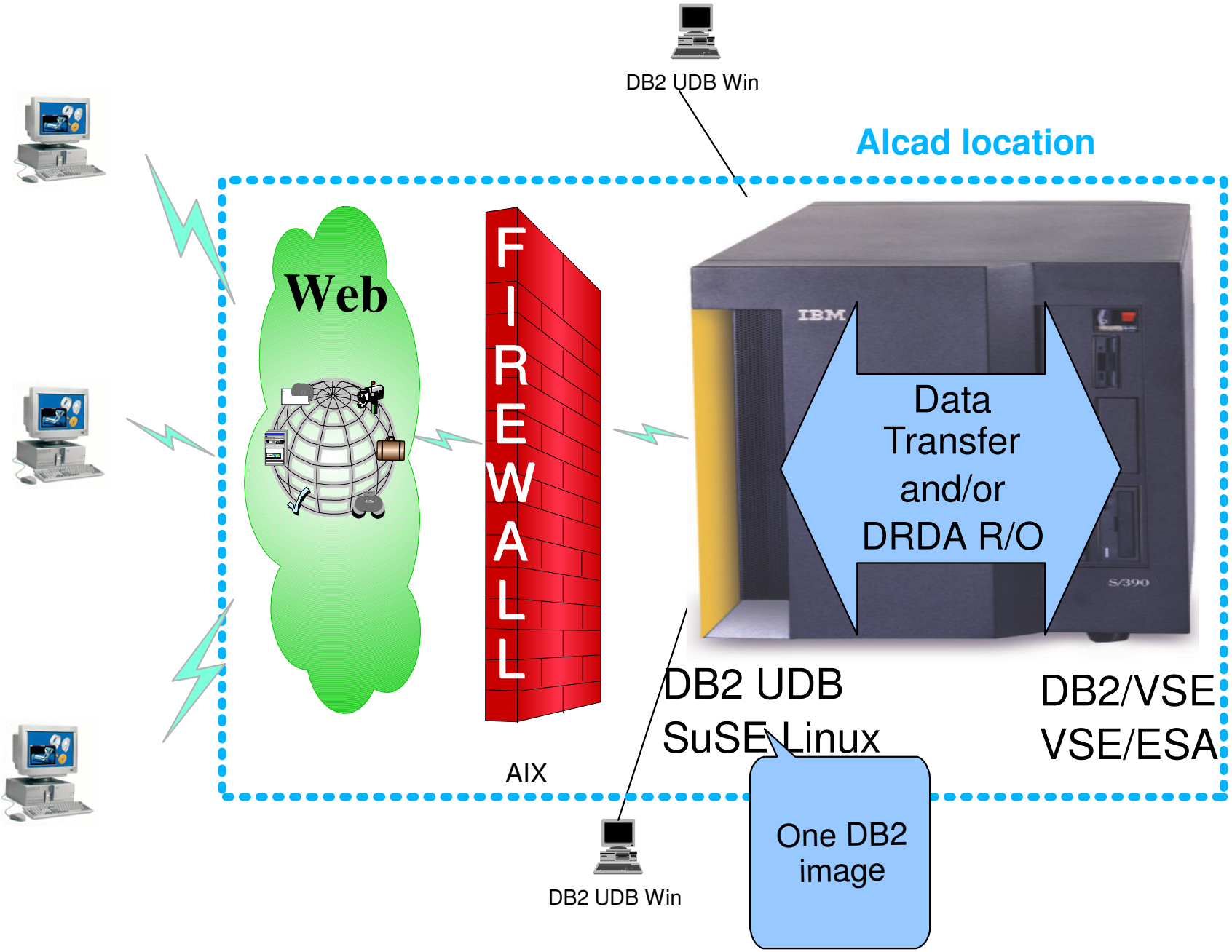
Database design



2001

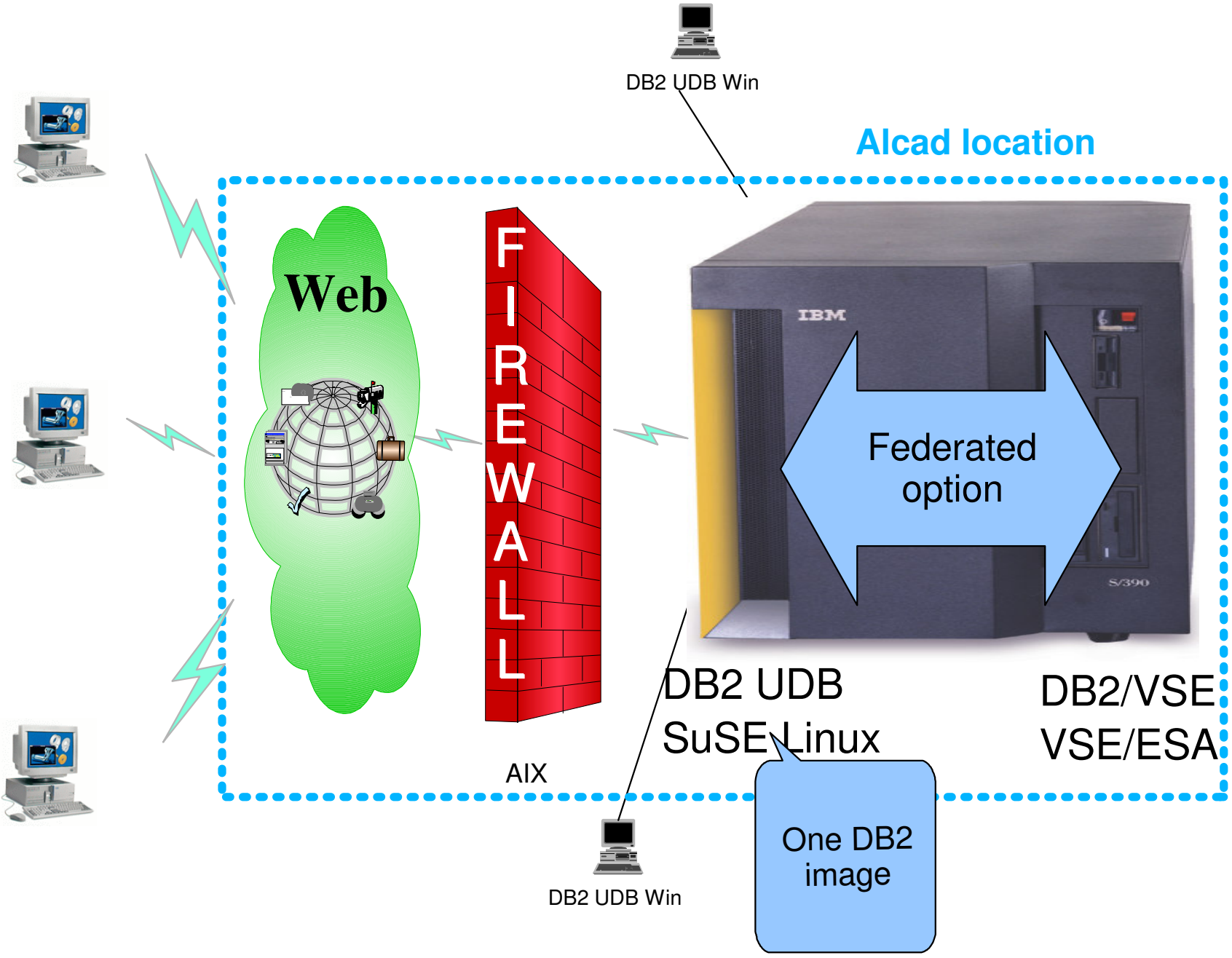
Design, Applications and Solutions

Database design



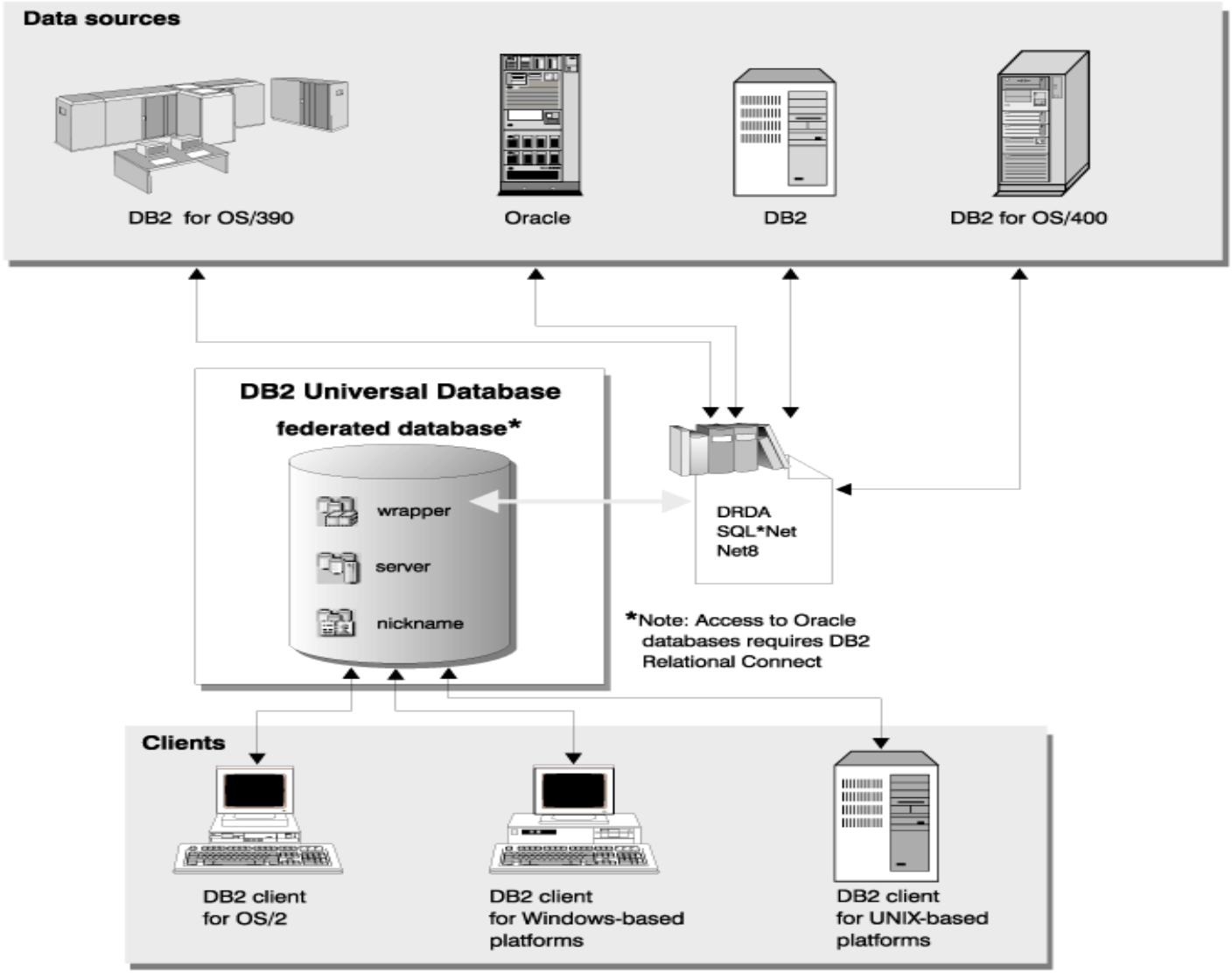
Design, Applications and Solutions

Database design

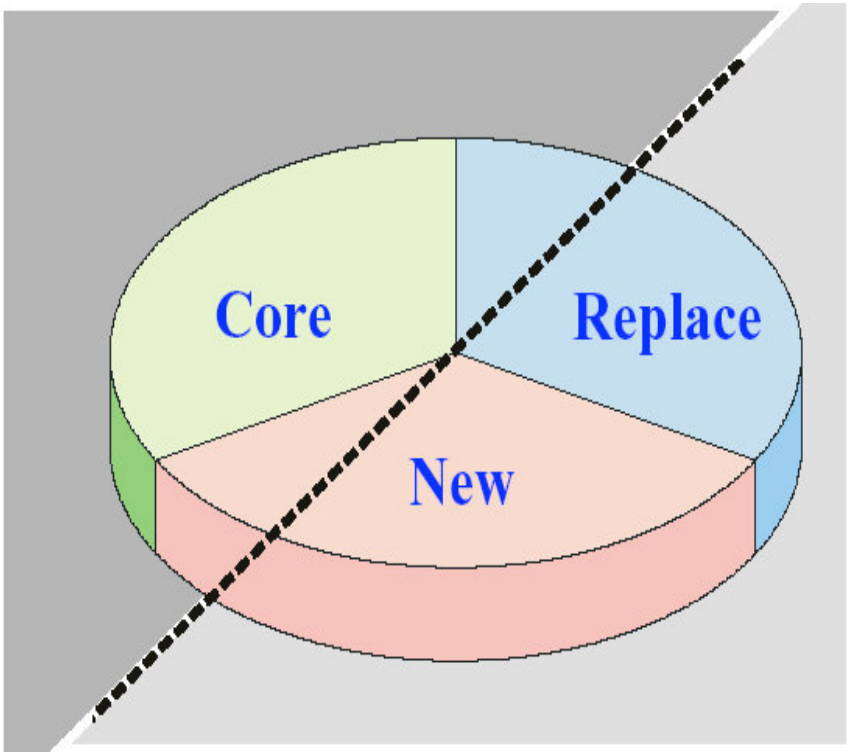


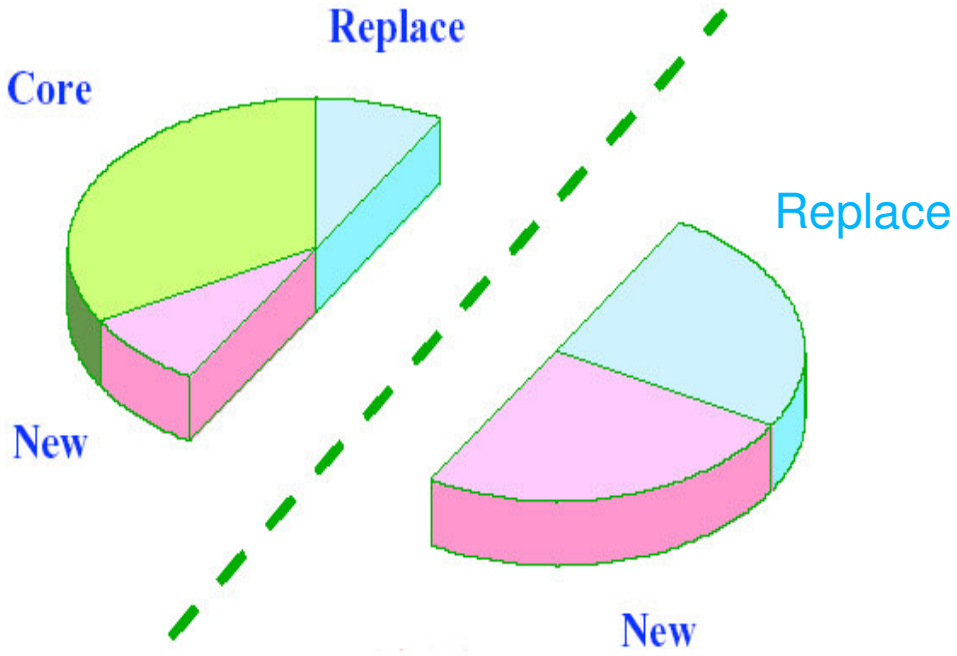
Design, Applications and Solutions

Federated option



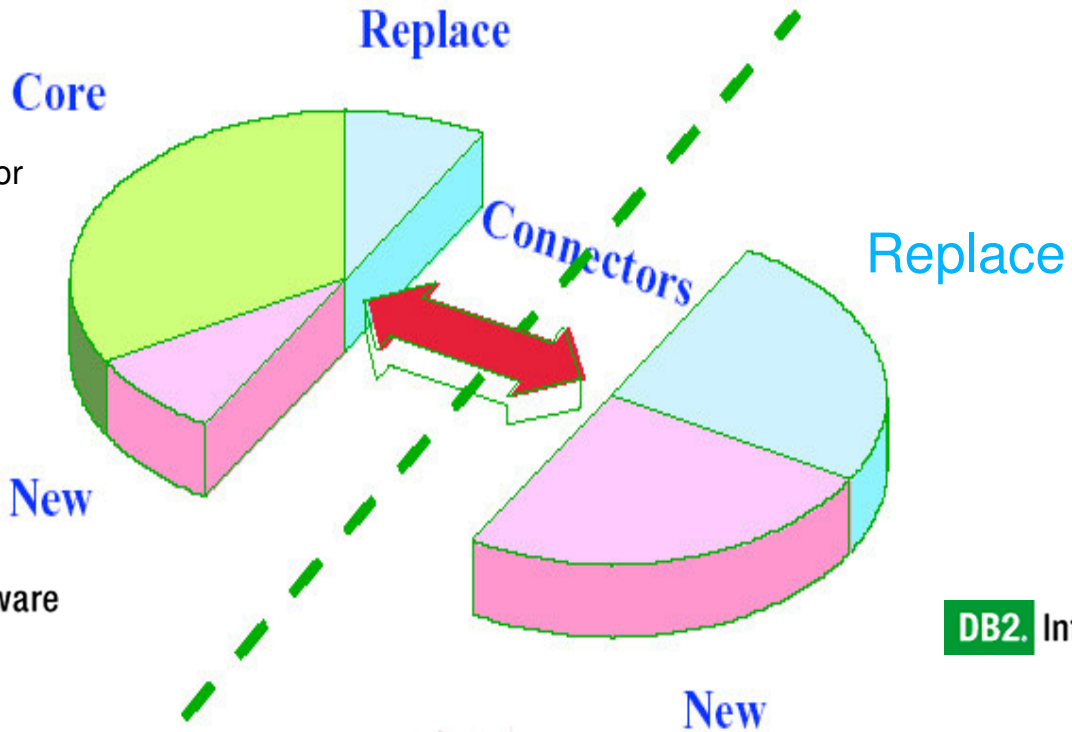
Applications and Solutions





Applications and Solutions

VisualAge Generator
V4.5



WebSphere. software

DB2. Information Management Software

DB2 Server for VSE

DB2. Information Management Software

Applications and Solutions

- e-Business
- Balanced Scorecard and OLAP
- WebSphere Portal

Applications and Solutions - e-Business

e-Business - Today

- every customer has unique userid and password and can change it
- customer can see only their own stock.
- custumer can build their stock lists.
- all users of e-Business are able to Inquire and Order products from Impol stock
- Result of confirmed order is a contract, which can be confirmed or canceled by customer.
- customer can print PDF documents (Packing list, Analysis certificate)

e-Business - in progress

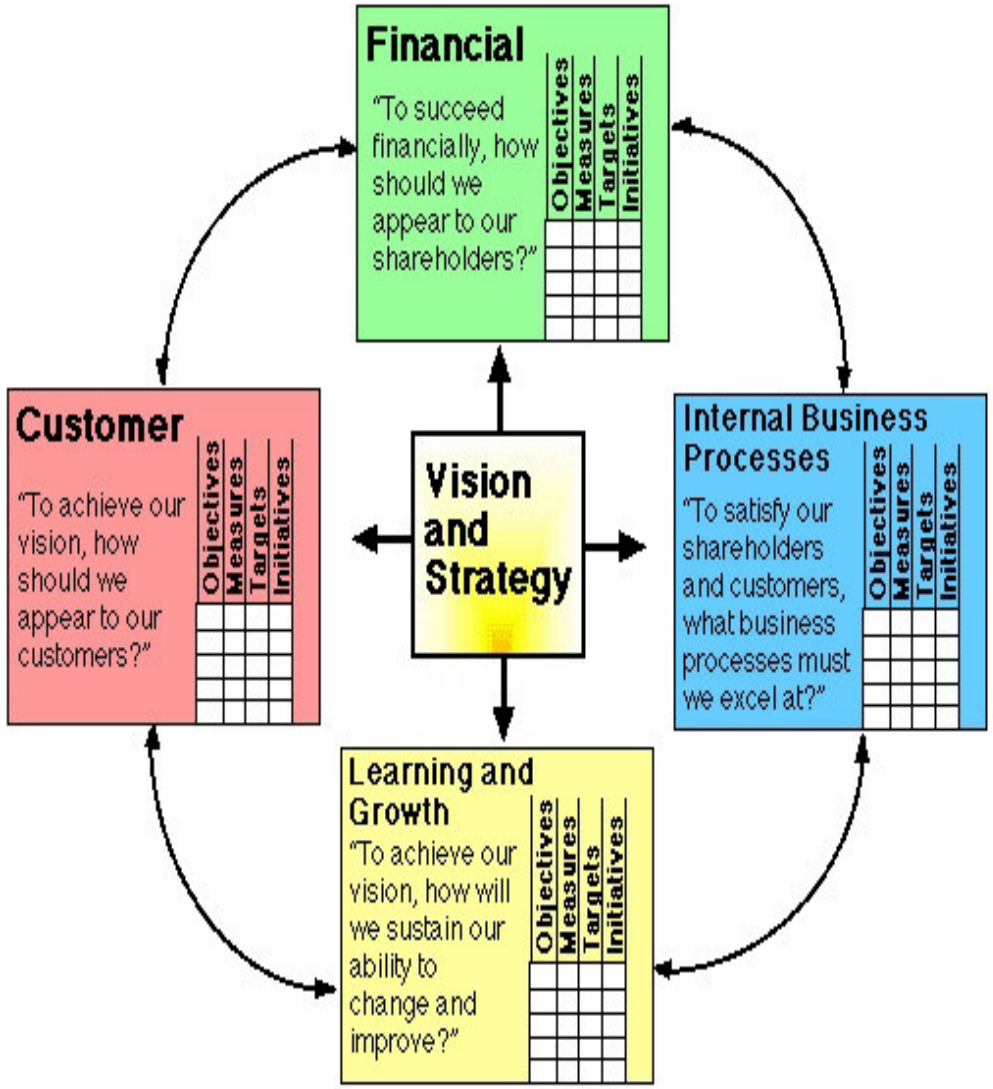
- security, LDAP and certificate
- all users of e-Business will be able to Inquire and Order products from all items.
- customer will be able to print PDF documents (Invoice)

e-Business - in future

- customer will be able to see, where their Order products are in production

Applications and Solutions - BSC and OLAP

- BSC developed in Alcad
- new approach to strategic management to control Critical Sucess Factors
- view the organization from four perspectives
- Integrated with OLAP Analyzer
- Online Analytical Processing (OLAP) provides time series and trend analysis views - detailed information

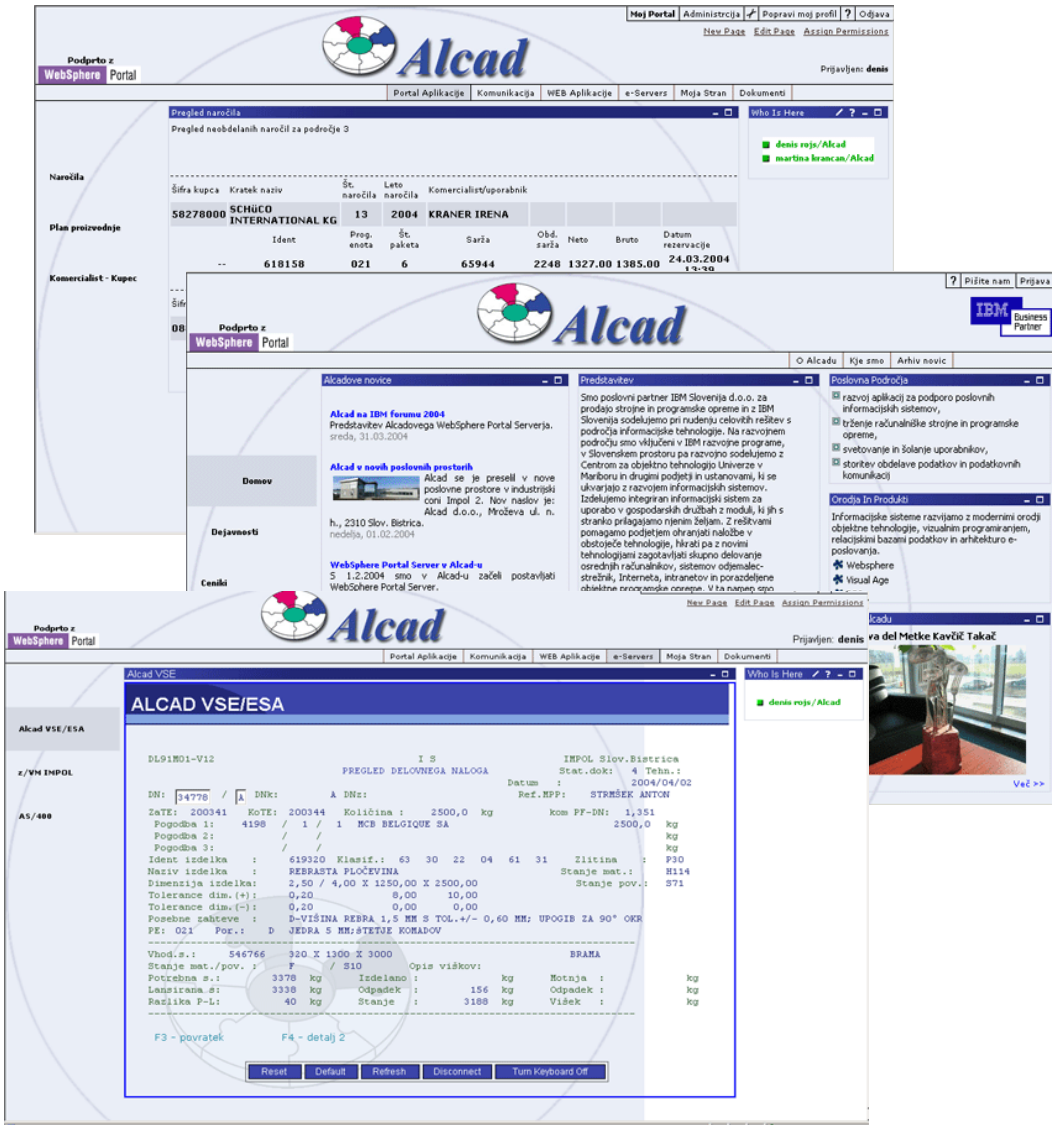


Alcad
Demo

Applications and Solutions - WS Portal

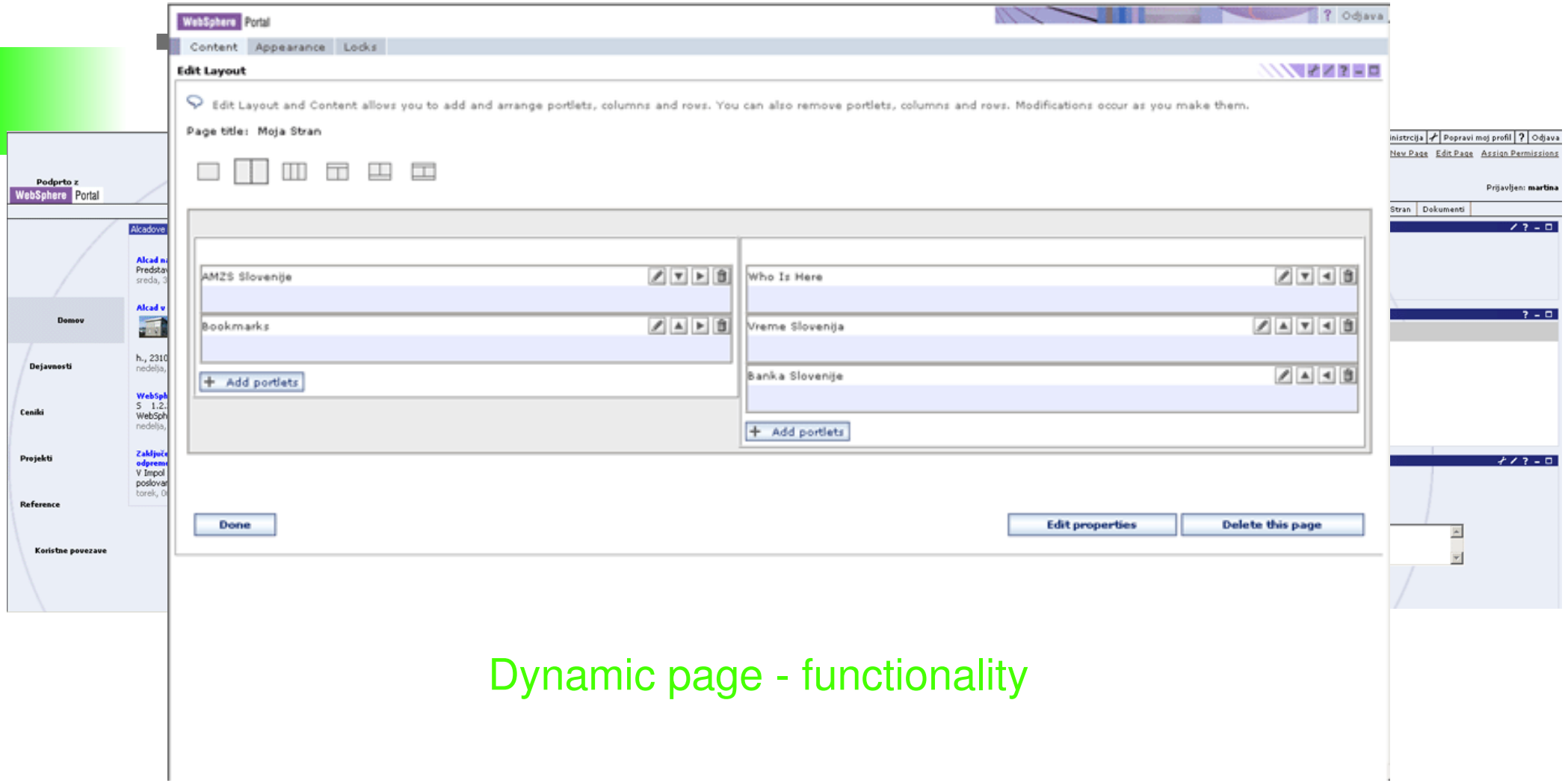
Portal principale

- Combines application user interfaces together into one unified presentation
- Delivers a highly personalized experience, considering
  - User's job role
  - Security settings
  - Administrators
  - Personal settings
  - Device settings
- Provides application integration, collaboration, single sign-on services and much more



Applications and Solutions - WS Portal

- Static page - public



Dynamic page - functionality

Alcad

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- Where we are?
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- **Future**

Future

- **New HW and SW for Impol**
- Application Development environment
- DB2 environment
- Integration Sevojno (SCG) to Impol in non-3270 applications

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z/890

New HW and SW for Impol

z/890

VSE/ESA V2.7
or
z/VSE V3.1

IFL - 64 bit

z/VM V5

SuSE SLES V9

DB2 UDB ESE V8.2

SuSE SLES V9

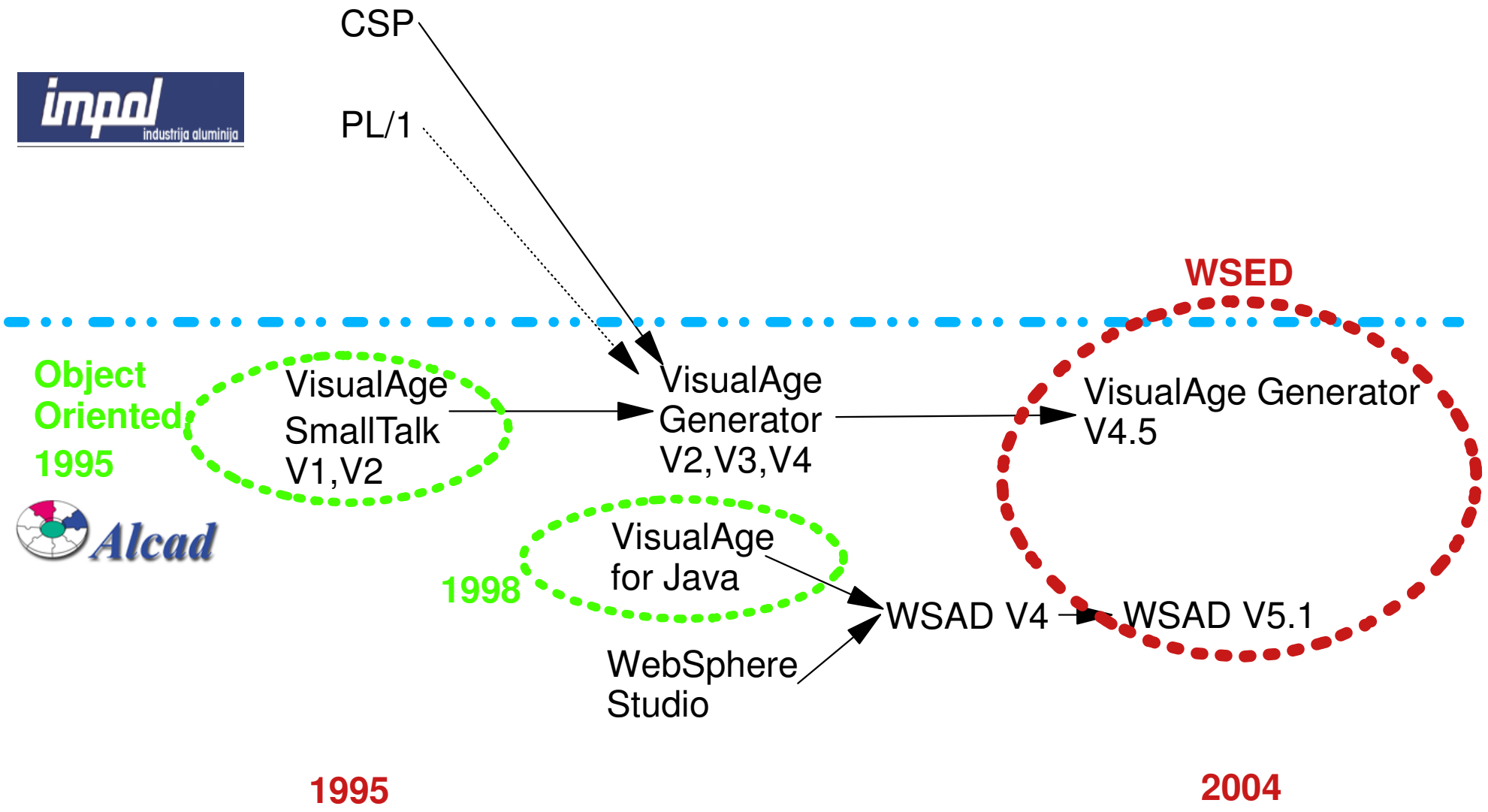
WAS V6

Future

- New HW and SW for Impol
- **Application Development environment**
- DB2 environment
- Integration Sevojno (SCG) to Impol in non-3270 applications

History of Alcad

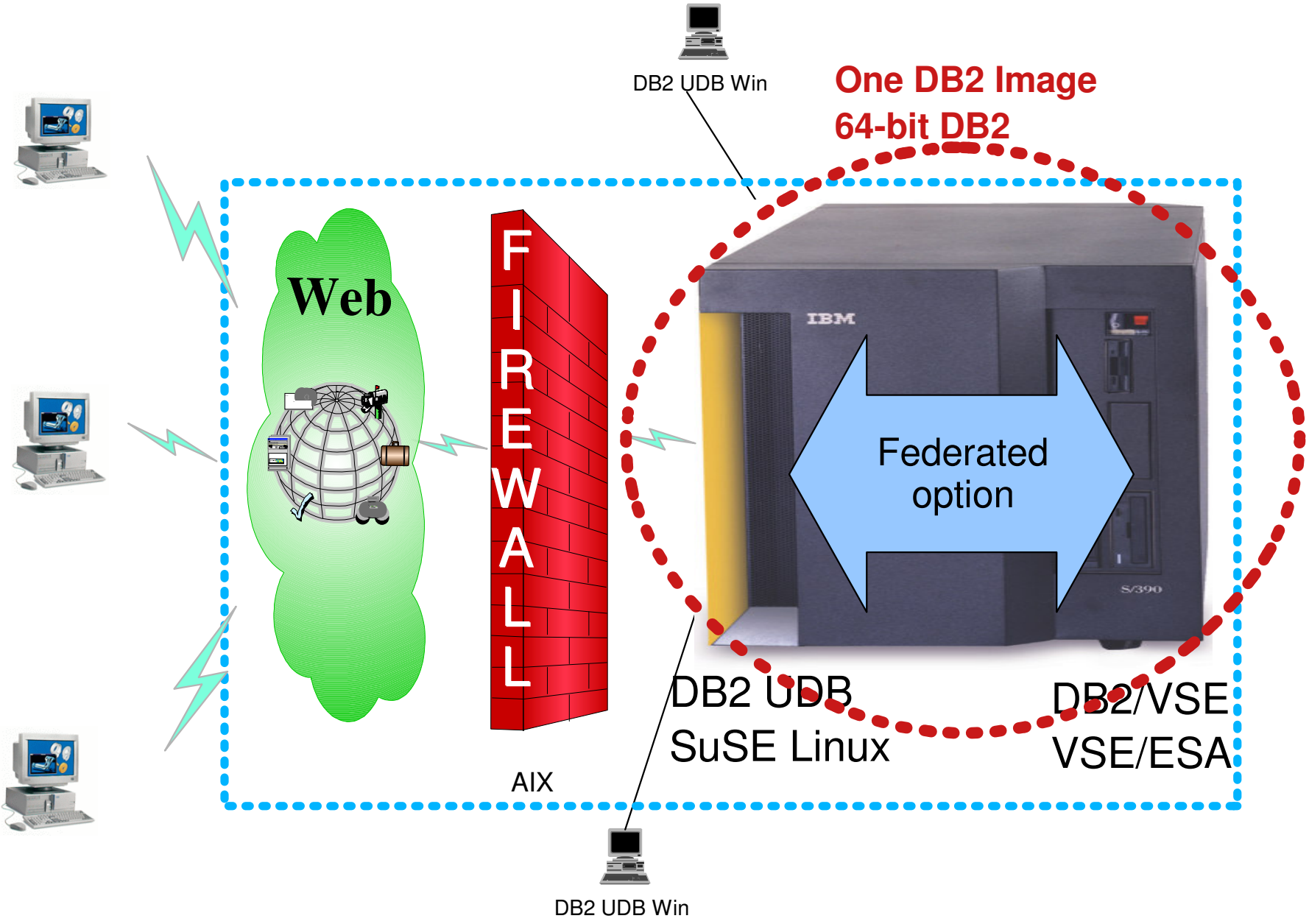
Application Development environment



Future

- New HW and SW for Impol
- Development environment (WSAD, VAG, WSED, SmallTalk)
- **DB2 environment**
- Integration Sevojno (SCG) to Impol in non-3270 applications

DB2 environment



Future

- New HW and SW for Impol
- Development environment (WSAD, VAG, WSED, SmallTalk)
- DB2 environment (DB2/VSE, DB2 UDB zLinux, 64-bit arhit.)
- **Integration Sevojno (SCG) to Impol in non-3270 applications**

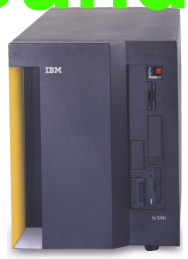
Summary

Alcad

VisualAge Generator
EGL
Cobol

IBM @server zSeries software

Souround products



Alcad

WebSphere. software

WAS
WSAD (RWD)
WSED (RAD)
WS Portal

VSE/ESA V2.7
SuSE SLES V8

Rational. software

RWD
RAD
Rational Rose XDE
Developer plus

DB2. Information Management Software

DB2 UDB
DB2 VSE

Alcad

Thank you!

oskar.lang@alcad.si