

Anthology of mainframe modernization



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Short introduction to CROZ

www.croz.net



Company profile

Headquarters: Zagreb (Croatia)

Offices: Belgrade (Serbia)

Scope: Custom software development, SOA,
Education & Consulting, Mainframe

Industry Segment: Government, Finance and Telco

Resources: 120+ employees

Turnover:

7 mil EUR (2009)

8 mil EUR (forecast 2010)



Technology perspective

- Extensive (10+ years) Java expertise and strong (70+ developers) and experienced team
- Service Oriented Architecture (SOA)
 - Consulting and implementation
 - IBM, Oracle and TIBCO
 - Rich experience including 1+ mio EUR projects
- Extensive (30+) mainframe expertise and strong (10+) team
- Smart infrastructure
 - Portals and document management
 - ITIL and service management, Servicedesk
 - Security and PKI infrastructure
 - Storage and servers, Virtualization (VMWare)
- DataWarehouse and BI
 - Consulting and implementation
 - IBM, Oracle and Informatica



Strong expertise in IBM technology

- Rational tools and methodology (two times IBM Beacon Award finalist)
- IBM mainframe – the strongest implementation team in SE Europe
- Tivoli, Websphere, DB2, Lotus expertise
- Authorized in 11 of 12 IBM SW Groups
- 118 Certificates on IBM SW
- Datapower, Cognos, ILOG, Lombardi...
- Authorized Training Center offering full range of IBM education



And the winner is....

- 2008 IBM Beacon Award finalist Rational® Excellence in Software Delivery
- 2008 IBM Rational award winner **Outstanding Rational®** Requirements & Portfolio Management Solution
- 2008, 2009, 2010 Deloitte Technology Fast 50 Central Europe
- 2010 IBM Software Innovation

Category Technology Fast 50 Deloitte Central Europe

# 2008	# 2007	Change	Company Name	Country	Type of Business	2008 Growth
1	1	-	Blue Media Sp. z o.o.	Poland	Software	10,027%
2	RS	NEW	Agito S.A.	Poland	Internet	5,201%
3	-	NEW	CROZ d.o.o.	Croatia	Software	4,391%

Mainframe

- Legacy skills
 - VM, zOS, VSE, CICS, DB2, IMS
- SOA
 - Websphere Application Server
 - Process Server
 - MQs and MQ Broker
 - DataPower
 - Lombardi
- Tivoli
 - Omegamon, ITCAM...
- zLinux



An abstract graphic consisting of several overlapping, rounded rectangular bars in various colors: red, cyan, yellow, green, and blue. The bars are arranged in a way that they appear to be layered, with some overlapping others. The colors are vibrant and stand out against the dark background.

Mainframe modernization





Business Architecture

Enterprise Architecture(EA)

Information Systems Architecture



Infrastructure architecture



Story 1

- Customer : FINA (Financial Agency)
- Challenge:
 - Monthly cost of software
 - Aged application technology



EGL, java batch migration

- Analysis and simulation
- Re-arrangement of system-
infrastructure (NALC)
- MLC->WLC
- Batch -> Java
- VAG -> EGL -> (Java)

**Substantial Cost
Reduction**



Story 2

- Customer : APIS IT
(outsourcing IT to government)
- Challenges :
 - New EU customs and integration with existing applications
 - Unique Tax Number (OIB)

NPIS IT d.d.d.d.d.



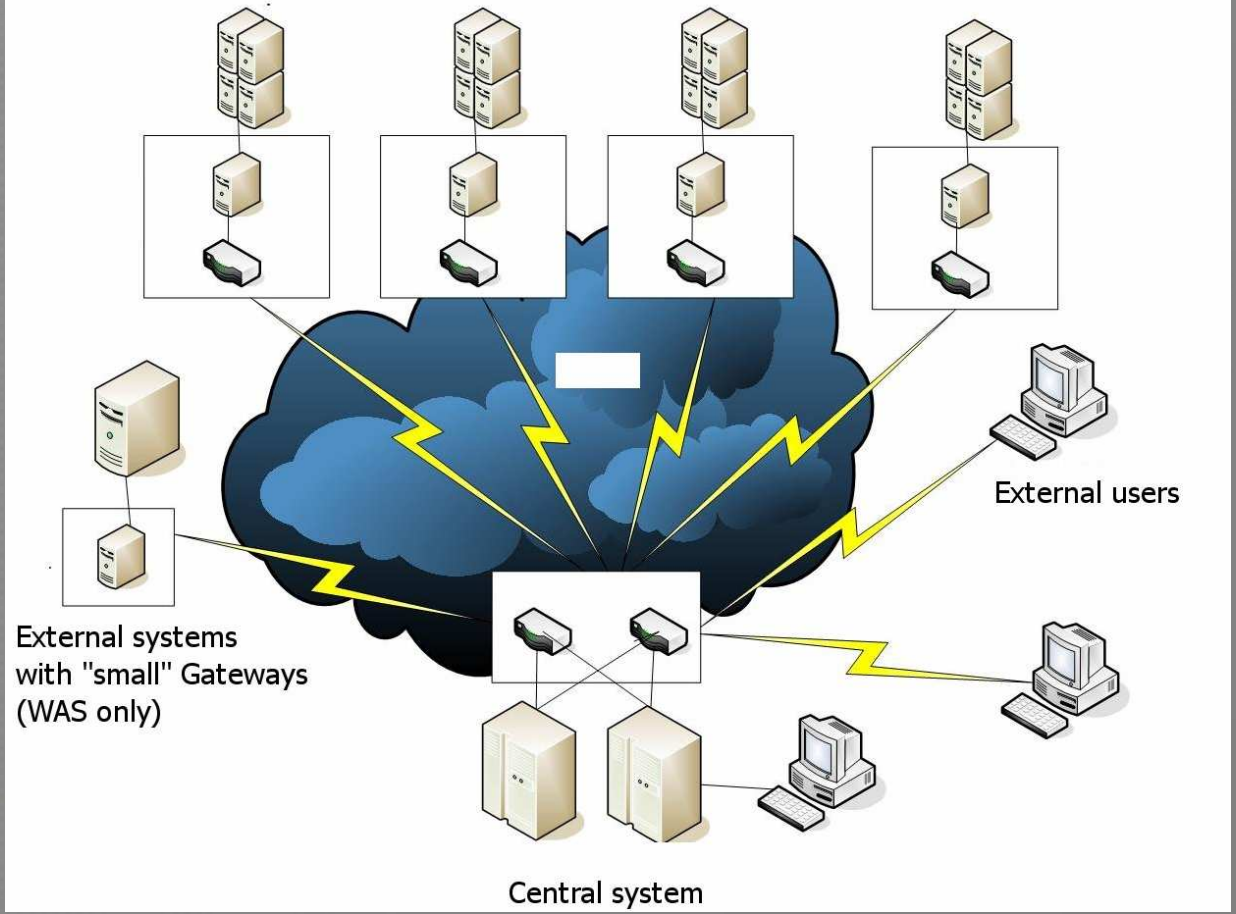
SOA on Mainframe

- Full blown (top-down) SOA implementation
- Websphere Process Server
- MQ Broker
- Websphere Portal
- DataPower
- Integration with legacy CICS/IMS systems

**Sustainable
SOA on Mainframe**



External systems with Gateways (DataPower + WAS)

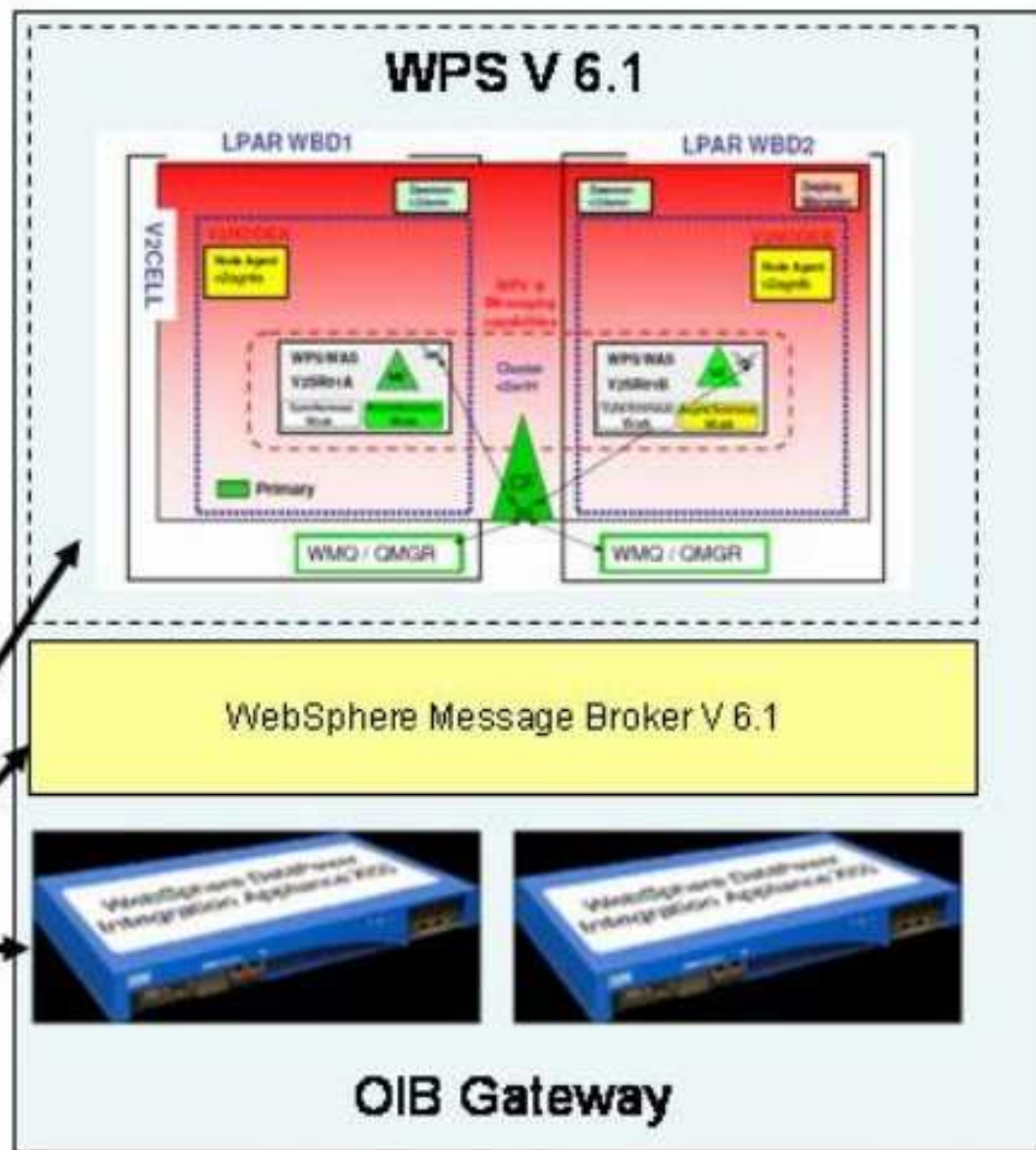


**WBM, ITCAM for SOA
(BusinessIT
Mngmt)**

**WebSphere
Portal
V 6.1**

WSRR

Prema O B Partnerima



Prema OIB Partner Aplikacijama

Story 3

- Customer : HZMO (Pension Fund)
- Challenges:
 - Infrastructure consolidation
 - Cost reduction

The logo for HZMO, featuring the letters 'h', 'z', 'm', and 'o' in a stylized, lowercase font. The 'h' and 'o' are black, while the 'z' and 'm' are blue with a black outline. The letters are set against a white rectangular background.

hzmo



zLinux consolidation



- Oracle eBusiness Suite (ERP) on zLinux
 - Oracle DB in first phase
- Lotus Domino on zLinux
 - migration of Lotus Domino 6.5->8.5



Story 4

- Customer : Raiffeisen Bank (RBA)
- Challenge :
 - Testing of new core-banking system



Testing

- Development of testing strategy
- Implementation of Rational testing suite
- Development of testing scripts
- 95% + coverage

CROZ Testing Center



See you at one of CROZ conferences



Adriatic
Mainframe Conference

