



JavaCROTE

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Enterprise service bus

Integration

- Više aplikacija rade kao jedan sustav
- Komunikacija među aplikacijama
- Različite vrste poruka i/ili protokola
- Point to point
- Enterprise service bus (pattern)

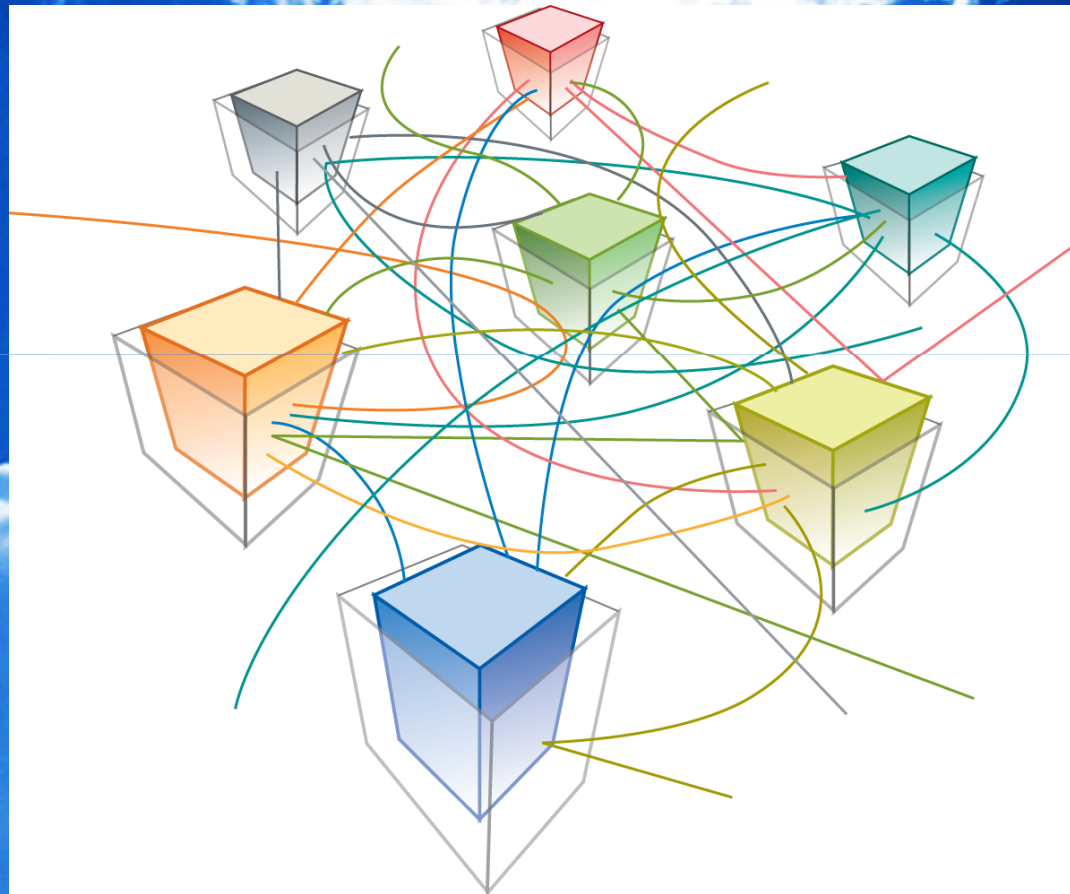
Developers view

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Integration view

JavaCroT5



Point to point vs

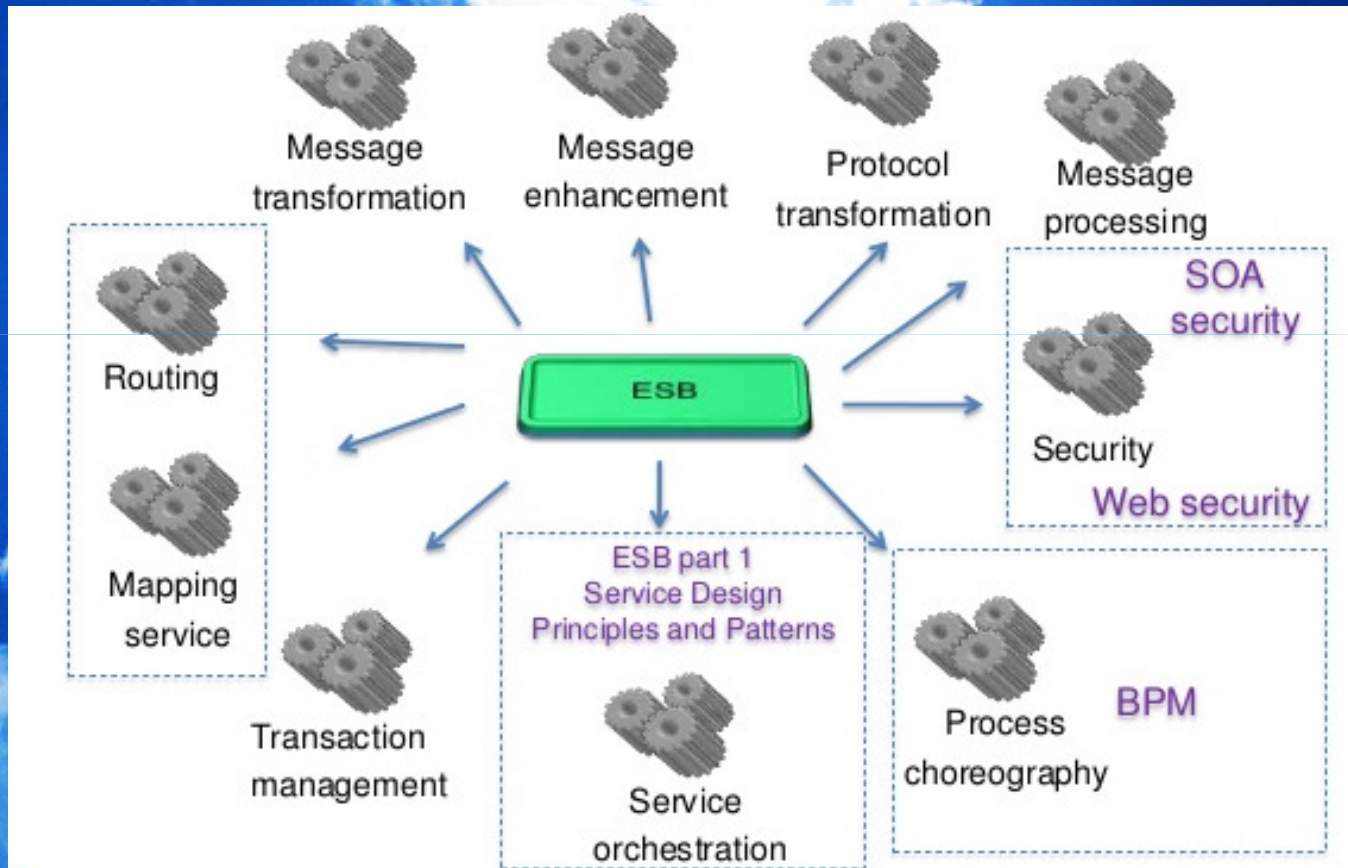
ESB



What is ESB

- Središnji dio *service-oriented architecture (SOA)*
- Posrednik u komunikaciji među aplikacijama
- Smanjivanje *point – to – point* konekcija
- Modularnost aplikacija u sustavu
- *Lightweight/Heavyweight* ovisno o potrebama

ESB features



ESB toolkits

- Bazirani na Eclipseu ili Eclipse pluginovi
- *Drag and drop* i spajanje tokova podataka
- Predlošci gotovih komponenti
- *Custom* elementi (Java, .Net, ESQL....)
- Puno konfiguracije i predefiniranih vrijednosti

IBM Integration Toolkit



The screenshot displays the IBM Integration Toolkit interface. The main workspace shows a message flow diagram with the following components and connections:

- File Input** (Start)
- Record Processor** (Top path)
- Routing** (Top path)
- Save UDPs** (Bottom path)
- Error** (Bottom path)
- Output Message** (End)

The flow is: File Input splits into two paths. The top path goes through Record Processor and Routing. The bottom path goes through Save UDPs and Error. Both paths converge into the Output Message.

The left sidebar shows the **Application Development** tree with the following structure:

- Pattern Instances
 - EmployeeRecordToQ
 - Project References
 - EmployeeRecordToQ_Flows
 - EmployeeFile

- Pattern Configuration
- EmployeeRecordToQ_configurati...
- EmployeeRecordToQ_summary.h...
- EmployeeRecordToQ_Flows
- Flows
 - mqs...
 - Error.msgflow
 - RecordDistributor.msgflow
 - RecordProcessor.msgflow
 - Route.msgflow
- ESQLs
- BARs

The bottom right pane shows the **Deployment Log** with the following entry:

Details	Timestamp
[EmployeeRecordToQ.bar] has been deployed to integration server default on integrati	Mon Apr 13 16:...

Mule studio



The screenshot displays the Mule Studio IDE interface. The top window shows a message flow named 'hrxmlFlow1' with the following sequence of components: HTTP (inlet), Data-mapper, SFTP, Choice, and SMTP (outlet). A feedback loop arrow connects the SMTP component back to the HTTP component. The left sidebar shows a project tree with folders like 'chatter-to-sms', 'helloworld', and 'hrxml-to-sftp'. The bottom window is the 'Mapping' editor, showing a 'Structure Mapping' configuration. The 'Input' section lists XML elements from the 'ns0:PersonLegalID' namespace, including 'text0', 'schemeName', 'ns0:PersonName', 'ns1:GivenName', 'ns0:FamilyName', 'ns0:BirthDate', 'ns0:GenderCode', 'ns0:PrimaryLanguageCode', 'ns0:EmergencyContact', and 'ns0:PersonName'. The 'Output' section lists elements from the 'ns0:Employee' namespace, including 'ns0:Employee', 'ns0:SocialSecurity', 'ns0:EmployeeNumber', 'ns0:Status', 'ns0:ListPosition', 'ns0:Prefix', 'ns0:FirstName', 'ns0:MiddleName', 'ns0:LastName', 'ns0:Suffix', 'ns0:Street1', 'ns0:Street2', 'ns0:City', and 'ns0:State'. The 'Field Mapping' area shows lines connecting the input fields to the output fields. The 'Advanced editor' and 'Assignment Properties' sections are also visible at the bottom.

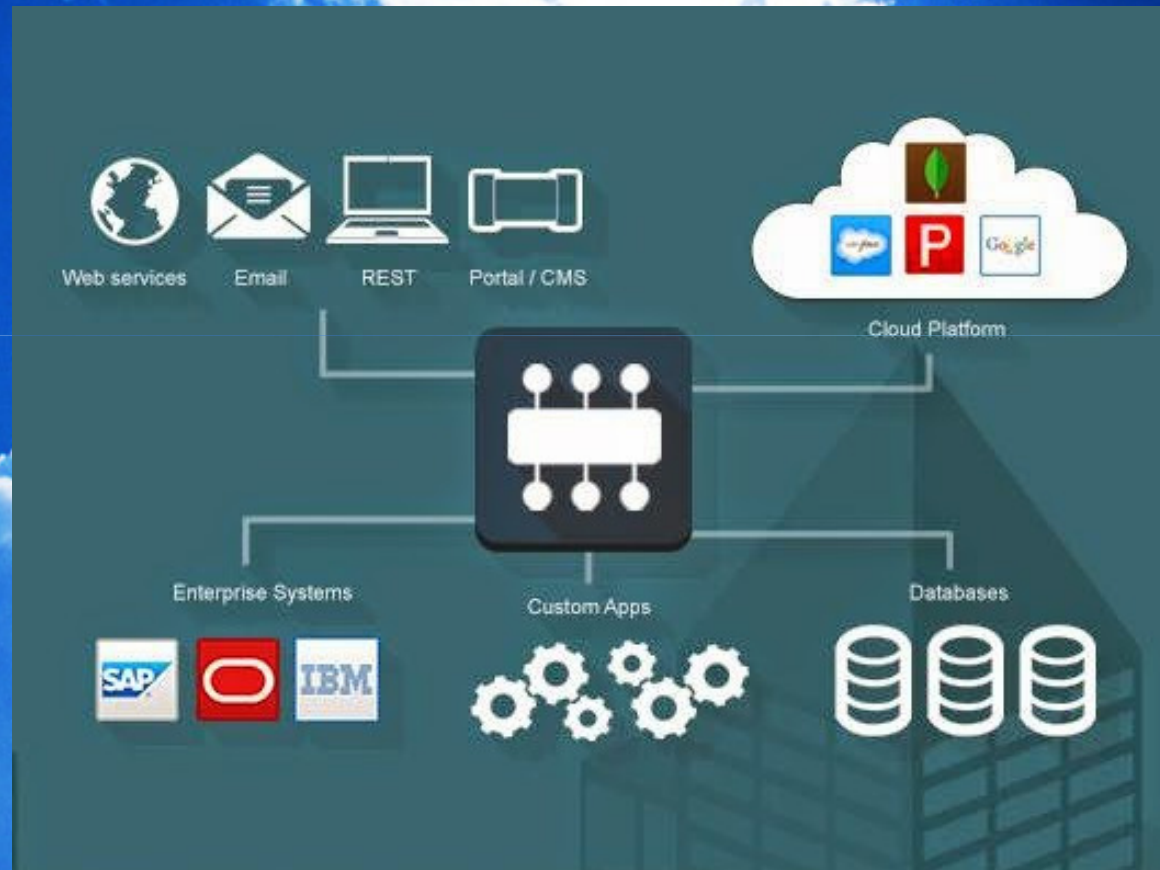
Open source

Commercial



Cloud connectivity

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Summary



- Integracija većeg broja aplikacija
- Komunikacija među robusnim aplikacijama
- Integracija Clouda sa postojećim rješenjima
- Pogled u budućnost (integration Platform as a Service - iPaas) – JavaCro 2016, JavaCro 2017 ...

JavaCrosID

