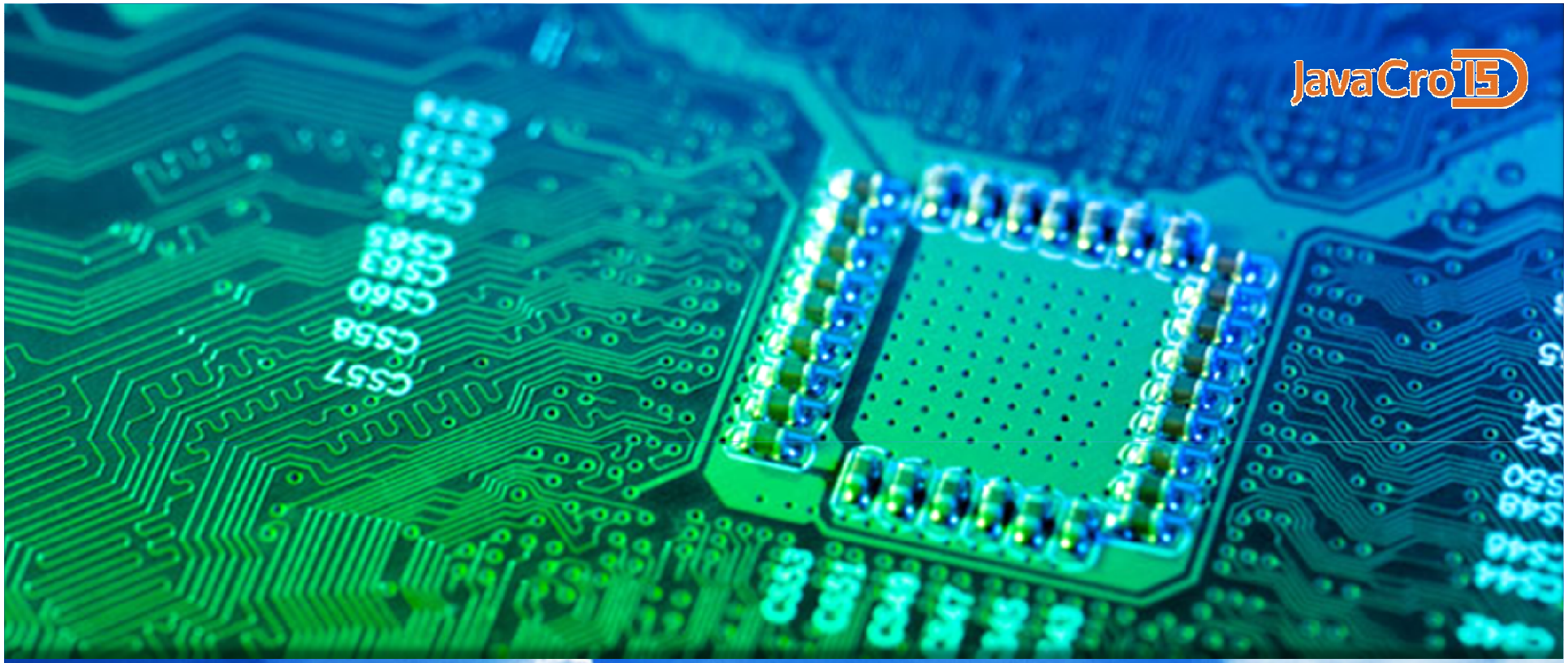


Juraj Ćutić
PERSOLVO

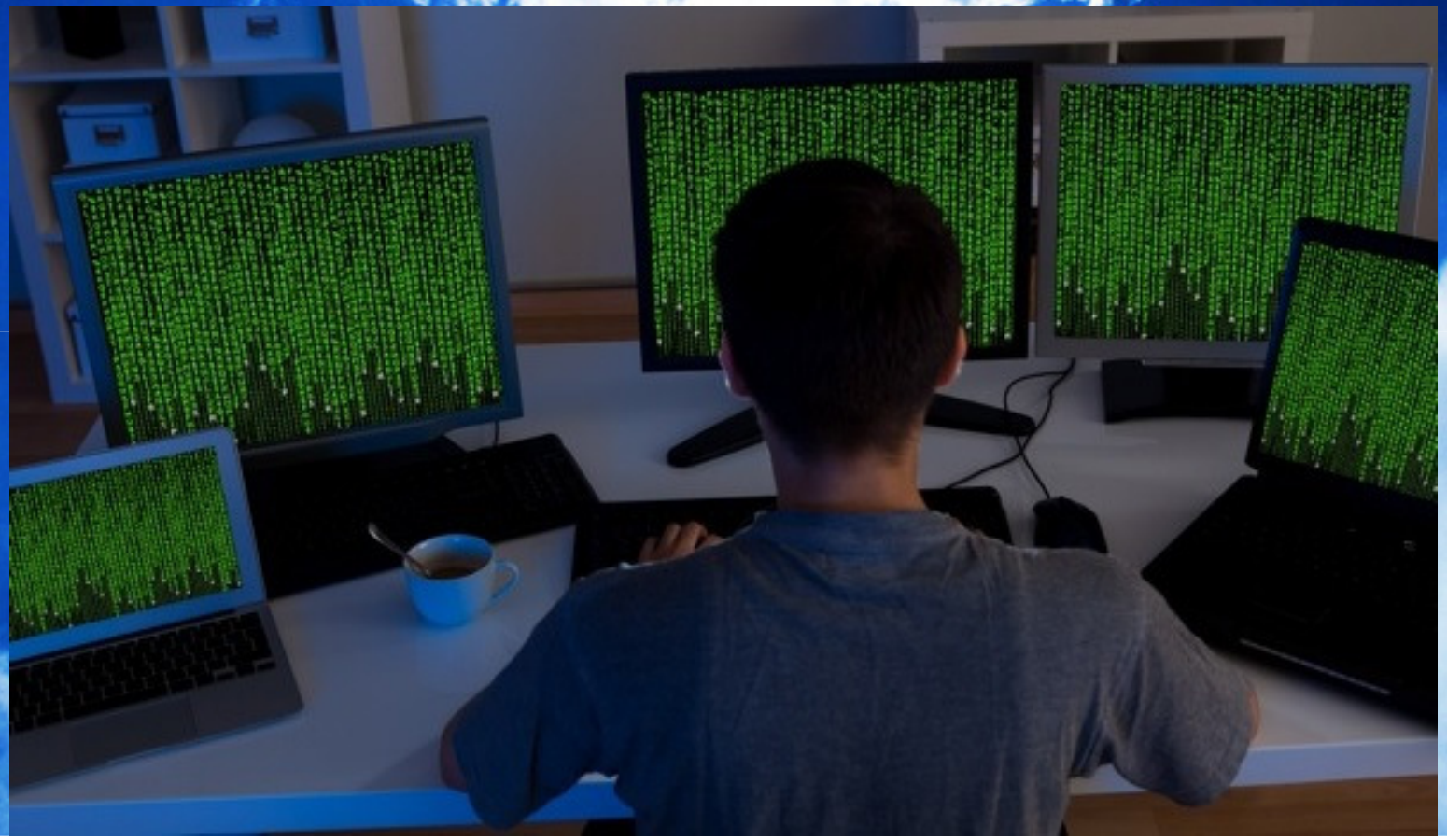
Enterprise servise bus

Integration

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

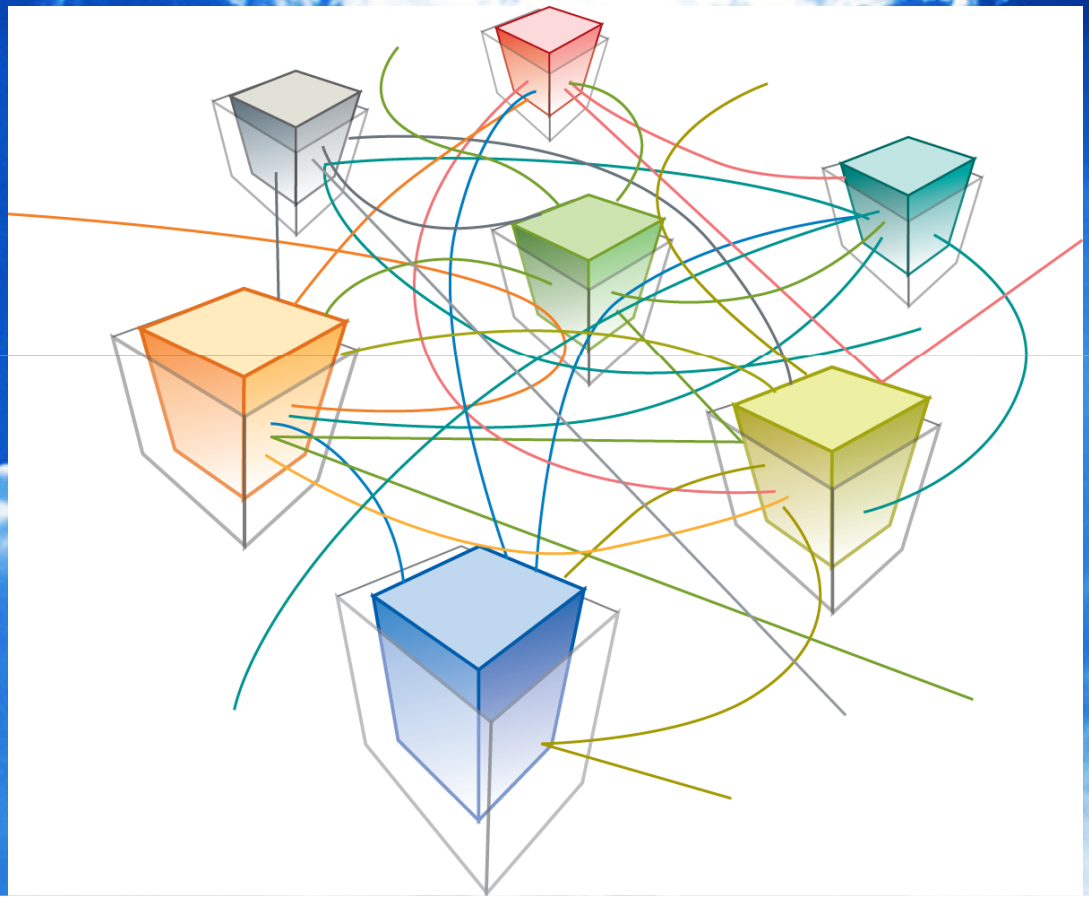
Developers view

JavaCro'15



Integration view

JavaCro'15



Point to point vs ESB

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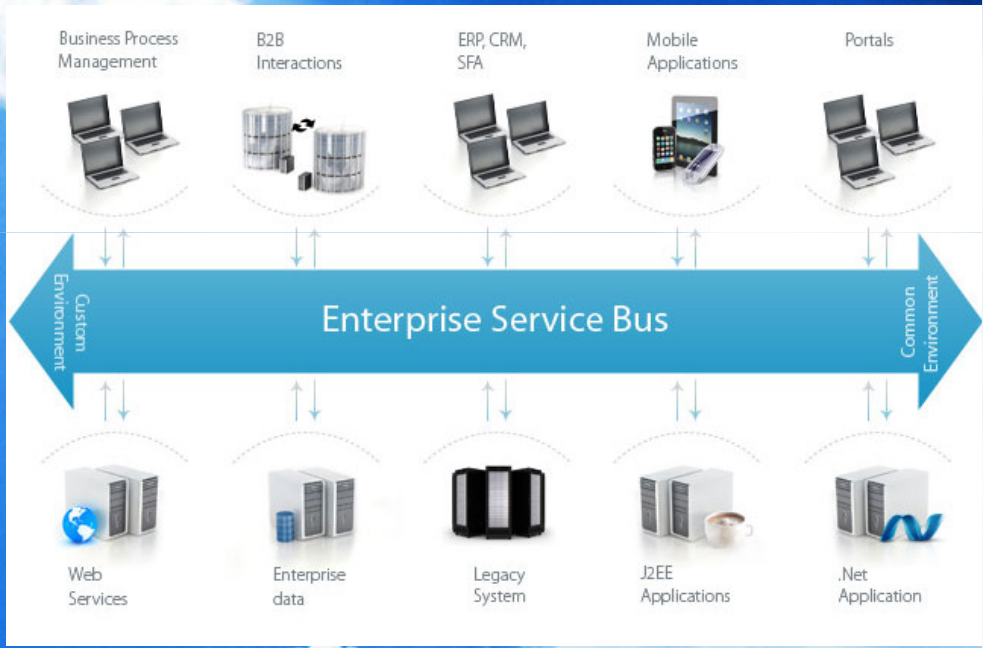
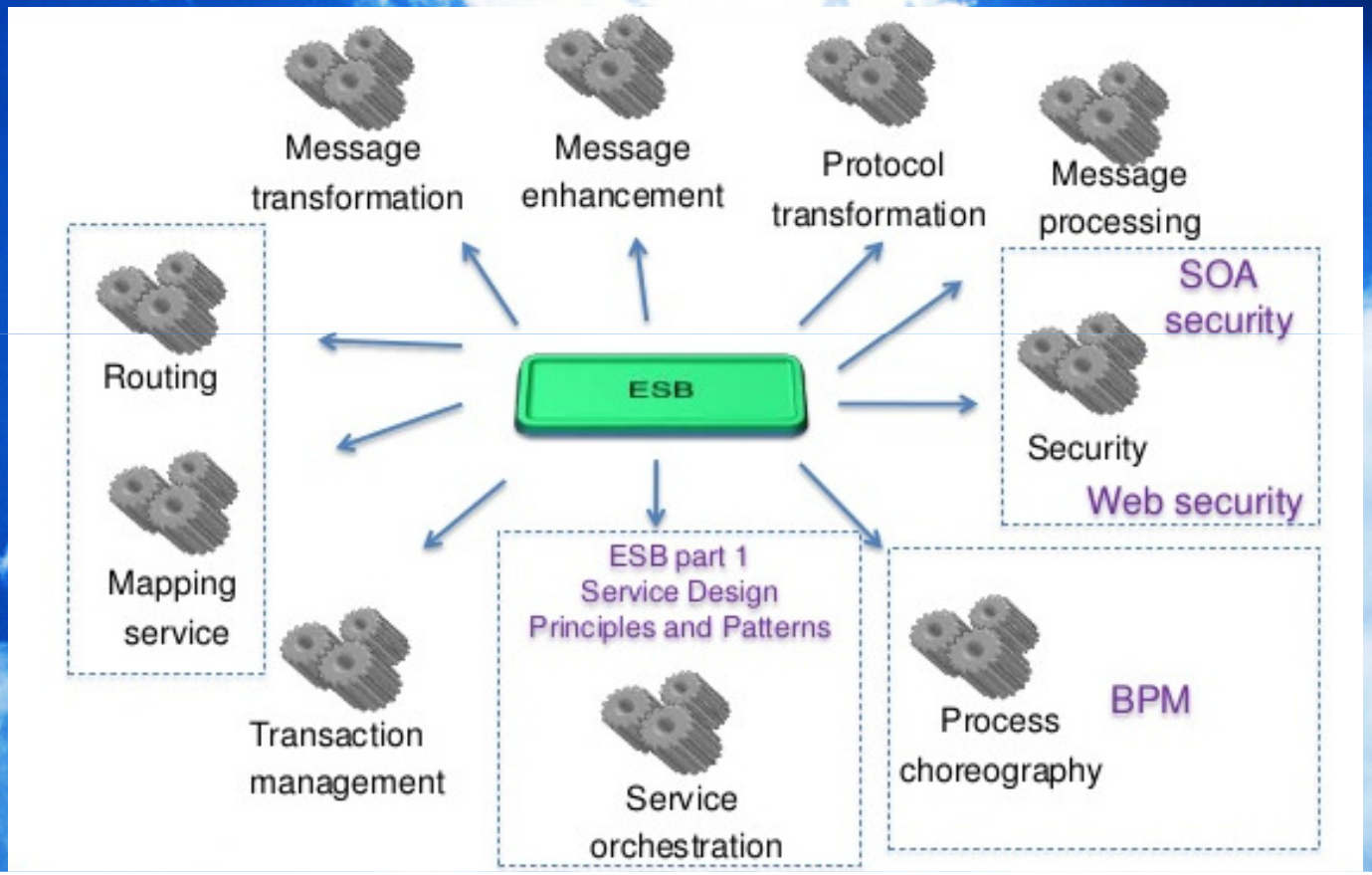


What is ESB

JavaCro'15

- 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

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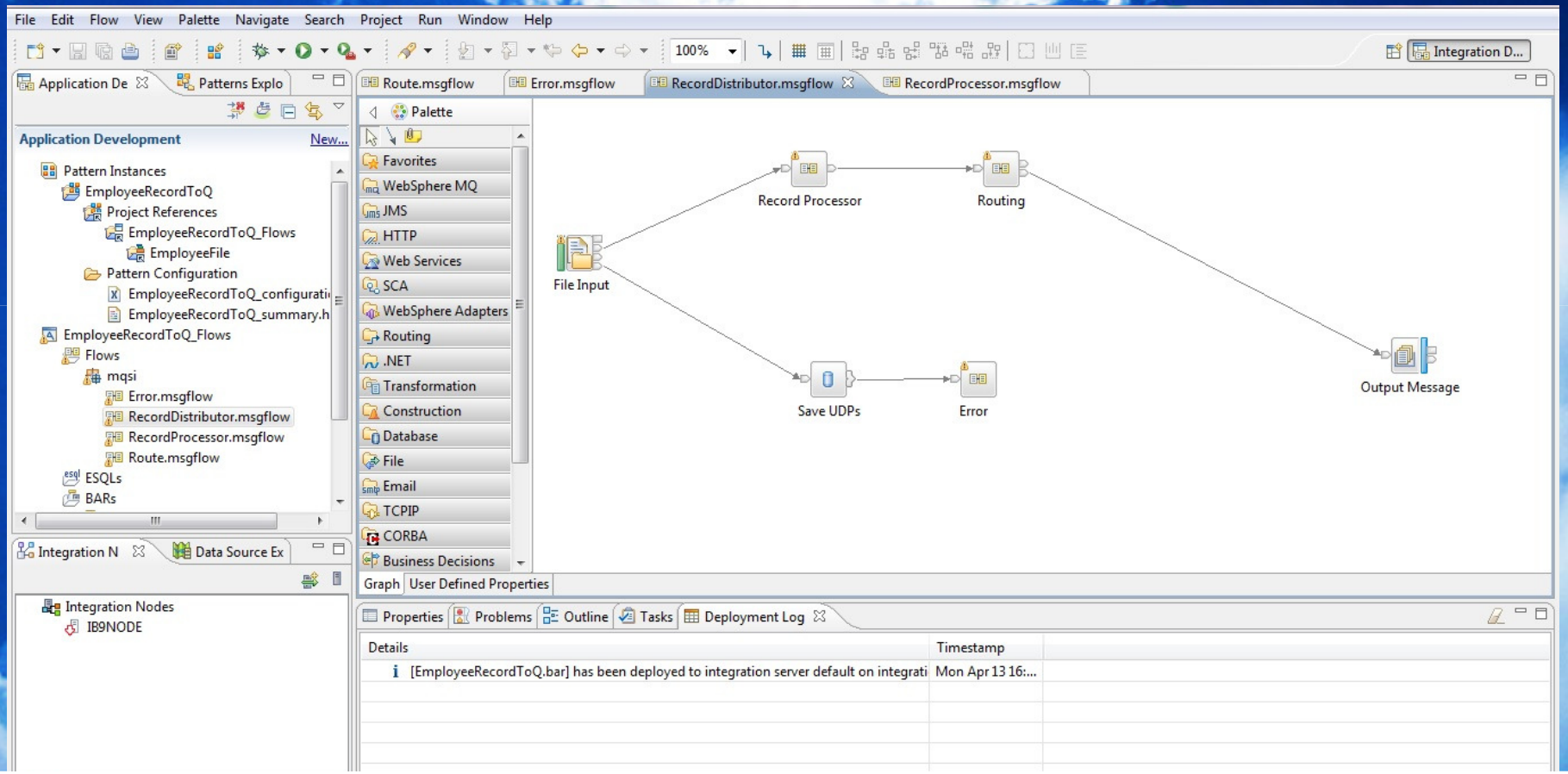
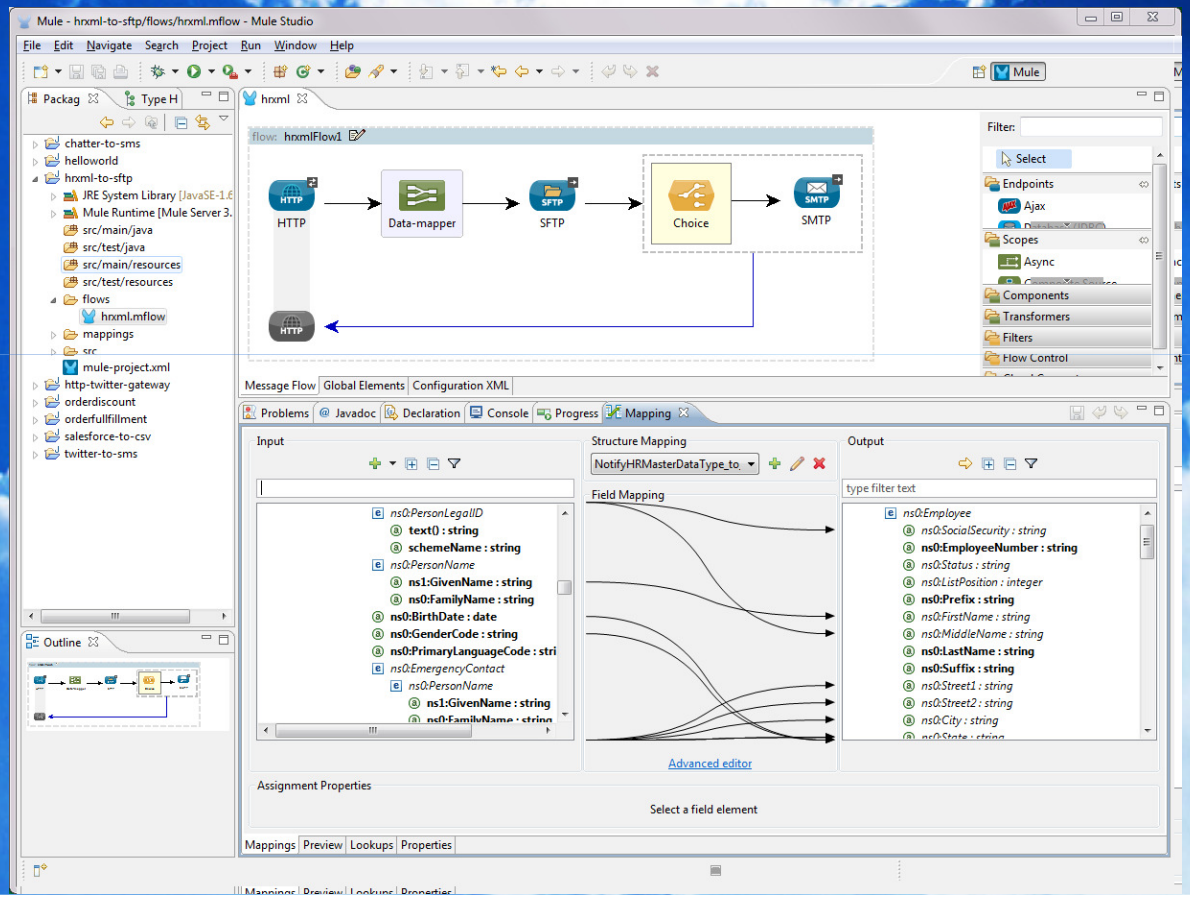
- Bazirani na Eclipseu ili Eclipse pluginovi
- *Drag and drop* i spajanje tokova podataka
- Predlošci gotovih komponenti
- *Custom* elementi (Java, .Net, ESQL....)
- Puno konfiguracije i predefiniranih vrijednosti

IBM Integration Toolkit



Mule studio


Mule - hrxml-to-sftp/flows/hrxml.mflow - Mule Studio
File Edit Navigate Search Project Run Window Help
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chatter-to-sms
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hrxml-to-sftp
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src/main/java
src/test/java
src/main/resources
src/test/resources
flows
hrxml.mflow
mappings
src
mule-project.xml
http-twitter-gateway
orderdiscount
orderfullfillment
salesforce-to-csv
twitter-to-sms
Outline
hrxml
flow: hrxmlFlow1
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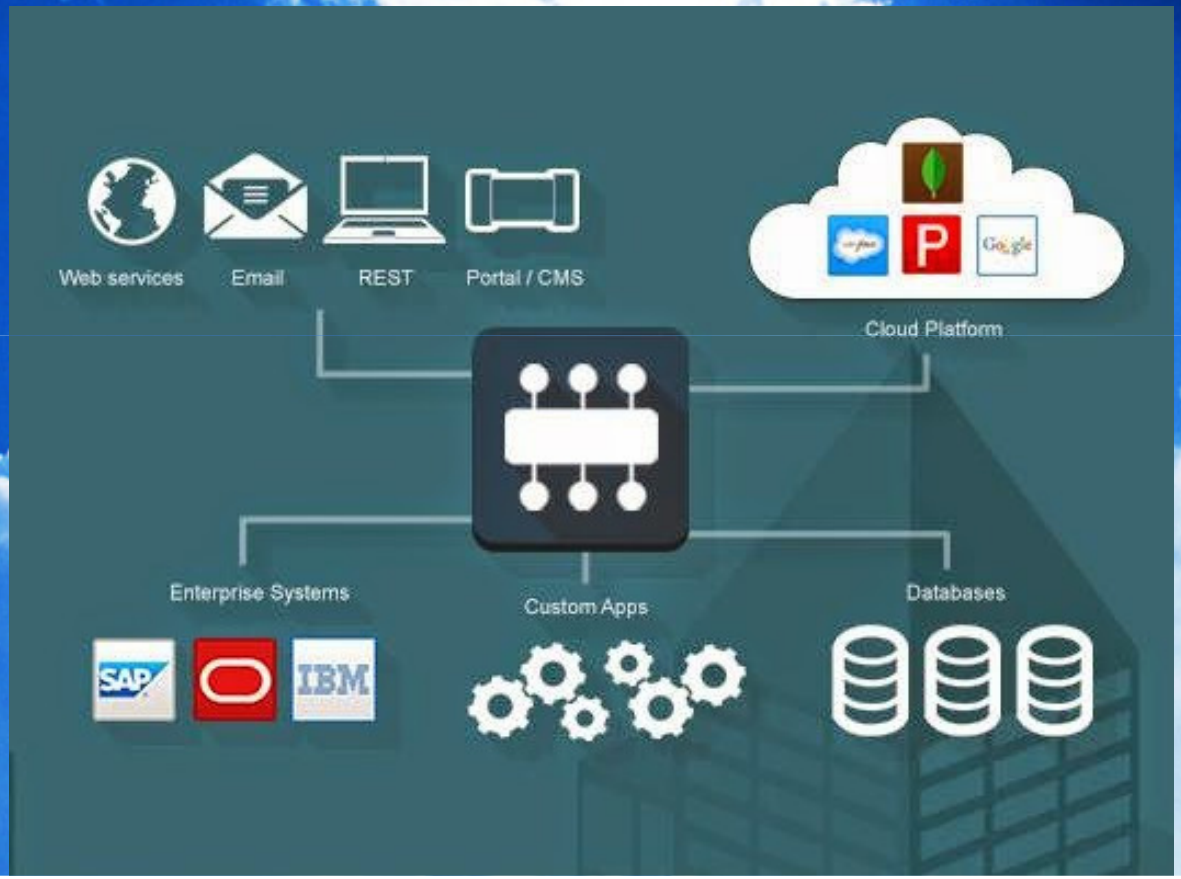
Data-mapper
SFTP
Choice
SMTP
HTTP
Filter:
Select
Endpoints
Ajax
Scopes
Async
Components
Transformers
Filters
Flow Control
Message Flow
Global Elements
Configuration XML
Problems
Javadoc
Declaration
Console
Progress
Mapping
Input
Structure Mapping
NotifyHRMasterDataType_to
Output
Field Mapping
type filter text
ns0:PersonLegalID
text() : string
schemeName : string
ns0:PersonName
ns1:GivenName : string
ns0:FamilyName : string
ns0:BirthDate : date
ns0:GenderCode : string
ns0:PrimaryLanguageCode : stri
ns0:EmergencyContact
ns0:PersonName
ns1:GivenName : string
ns0:Employee
ns0:SocialSecurity : string
ns0:EmployeeNumber : string
ns0:Status : string
ns0:ListPosition : integer
ns0:Prefix : string
ns0:FirstName : string
ns0:MiddleName : string
ns0:LastName : string
ns0:Suffix : string
ns0:Street1 : string
ns0:Street2 : string
ns0:City : string
Advanced editor
Assignment Properties
Select a field element
Mappings
Preview
Lookups
Properties

Open source

Commercial

Cloud connectivity

JavaCro'15



Summary

JavaCro'15

- 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 ...

JavaCro'15