



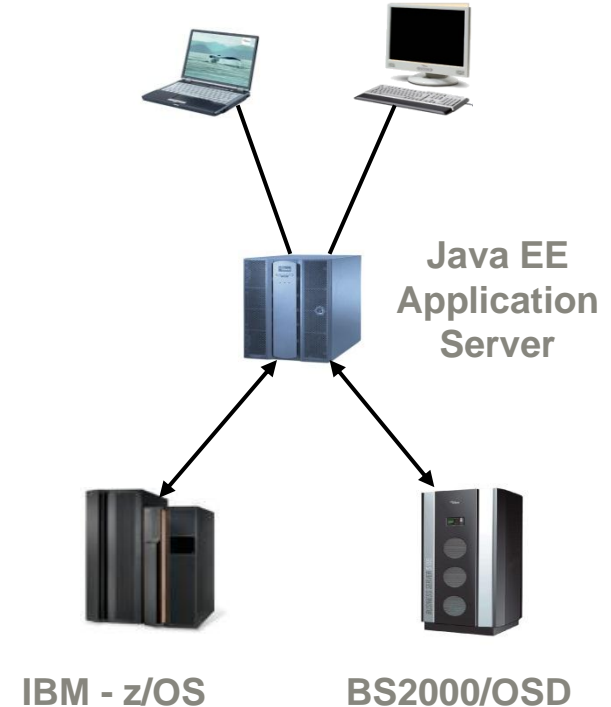
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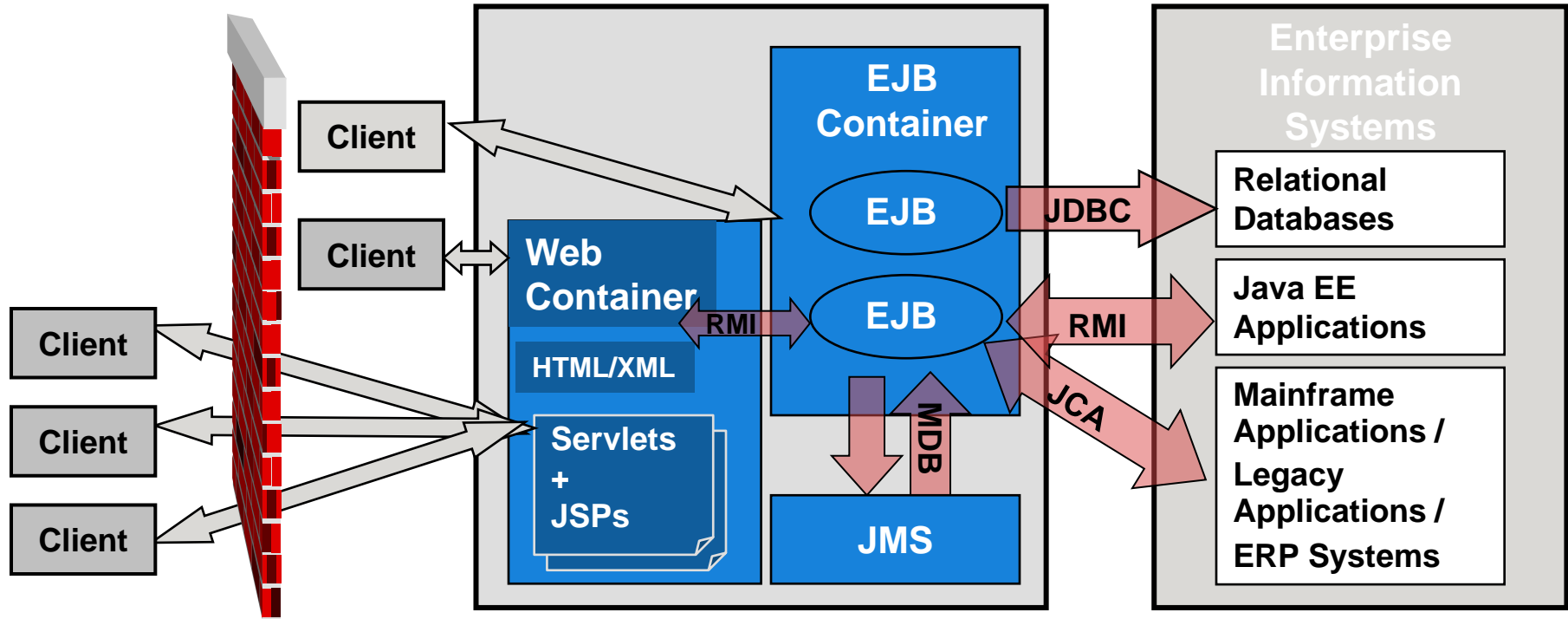
Fujitsu BeanConnect™ V3.0 Software

The challenge: Interoperability

- Many enterprises have mainframe and legacy applications, so called Enterprise Information Systems (EIS), that store > 70% of all business logic)
- These enterprises also employ Java EE technology
- Their comprehensive business processes require interoperability between applications
- bi-directional
- transaction oriented
- secure



Java EE Architecture

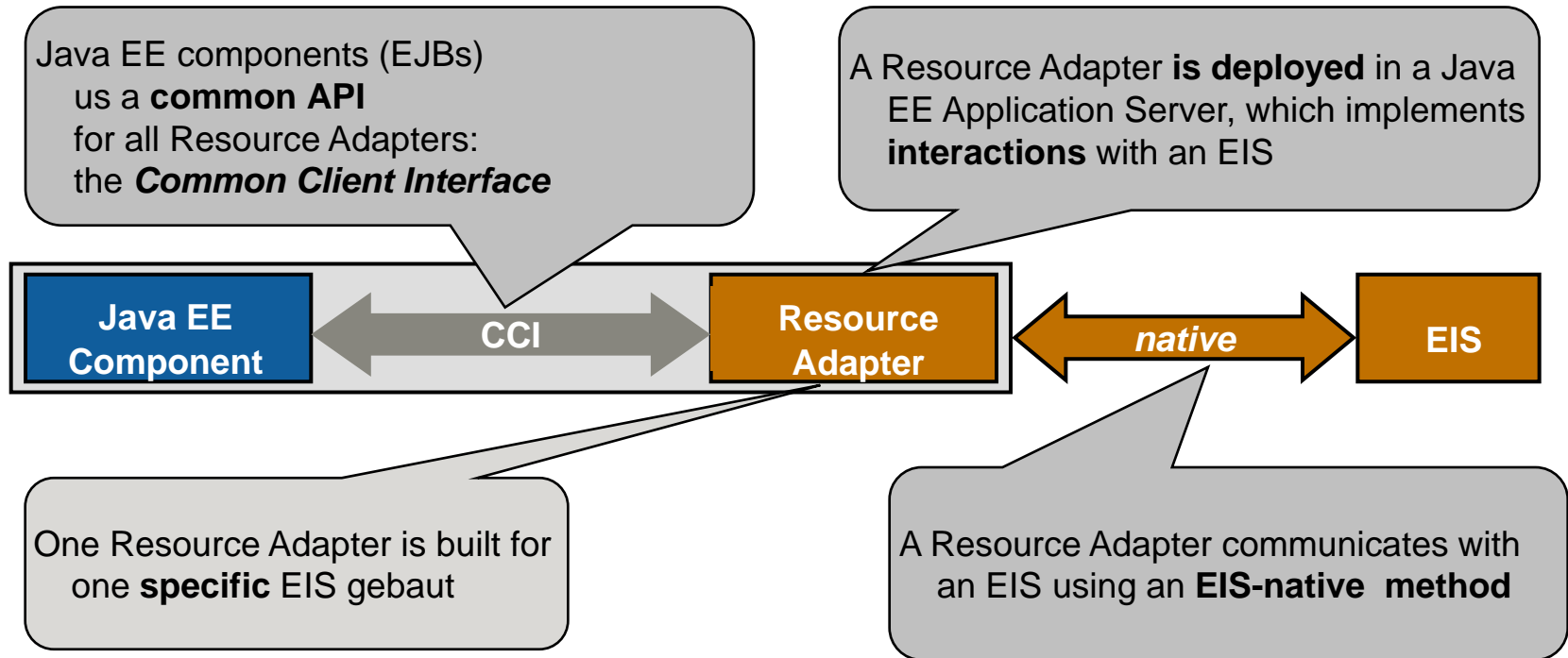


JCA – Java EE Connector Architecture

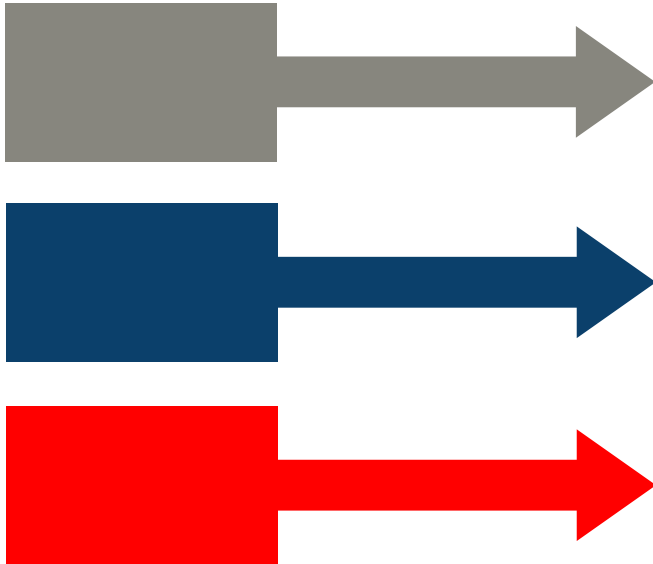
- JCA is part of the *Java 2 Enterprise Edition (Java EE)* specification and defines connectors called **Resource Adapters (RA)**.
- A RA provides an **uniform and easy to use API** to and from heterogeneous Enterprise Information Systems (EIS).
- **JCA 1.0** (part of J2EE 1.3) defines outbound connectivity only.
- **JCA 1.5** (part of J2EE 1.4 and Java EE 5) defines outbound and inbound connectivity, both transaction secure.
- **JCA 1.6** (part of Java EE 6) offers enhanced features, e.g. Security Inflow.
 - With version 1.6 of the JCA specification „J2EE“ was changed to „Java EE“.

outbound:	from Application Server to EIS
inbound:	from EIS to Application Server

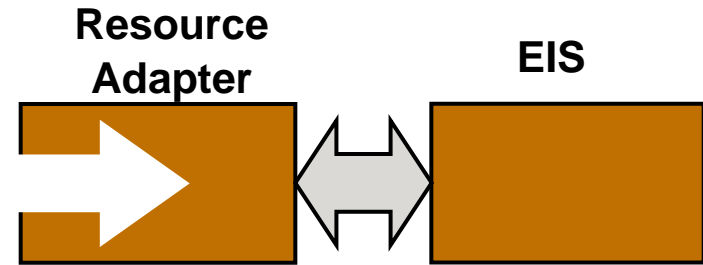
JCA – Overview



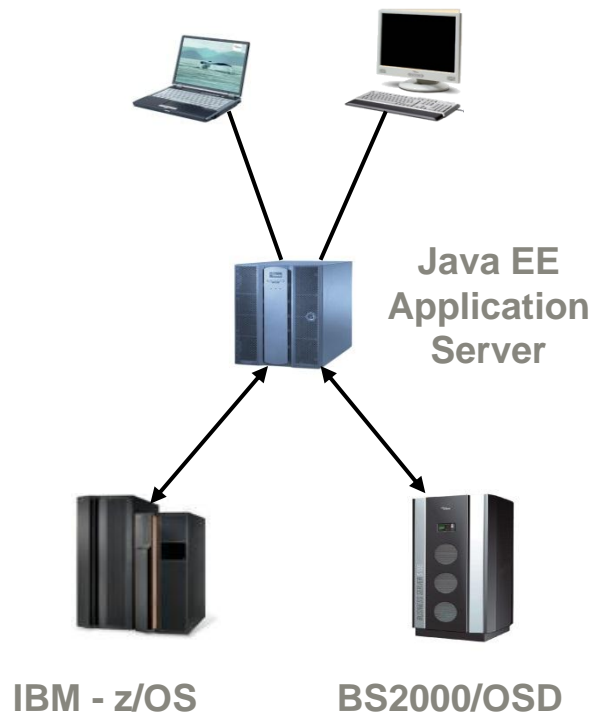
Java EE Application Server



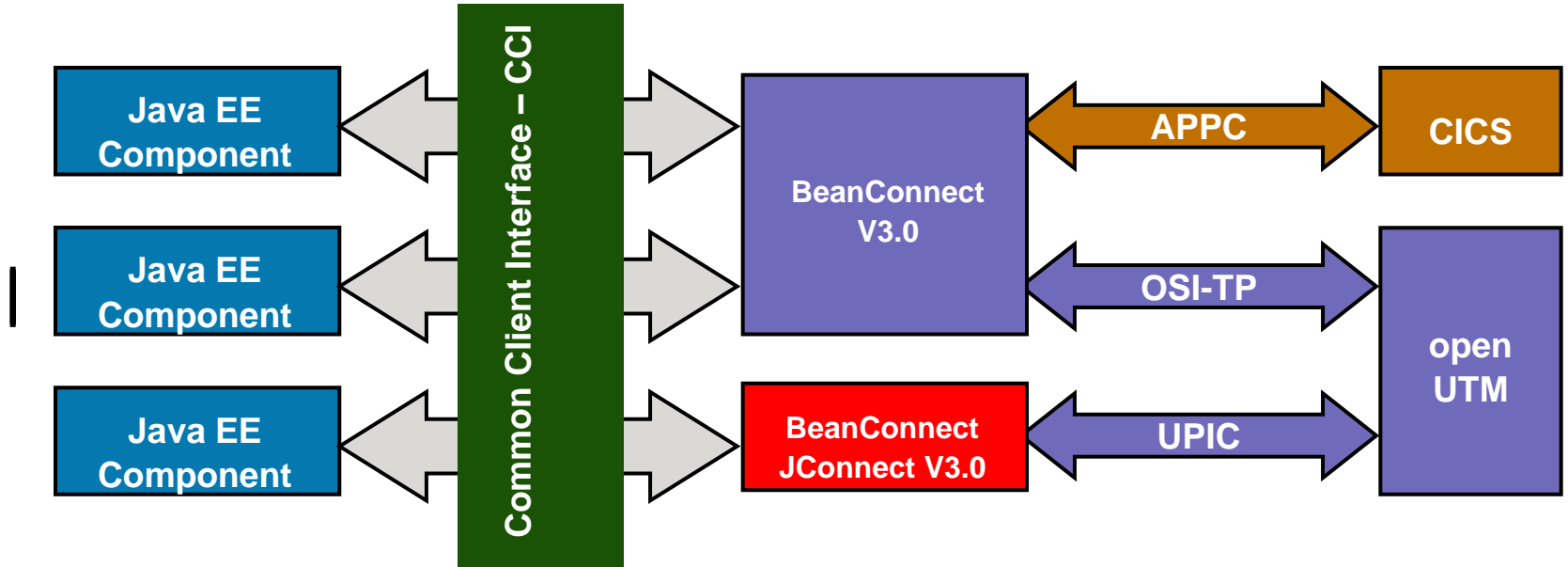
A vendor provides **one** standard Resource Adapter to **one** EIS that fits into **any** Application Server that supports JCA.



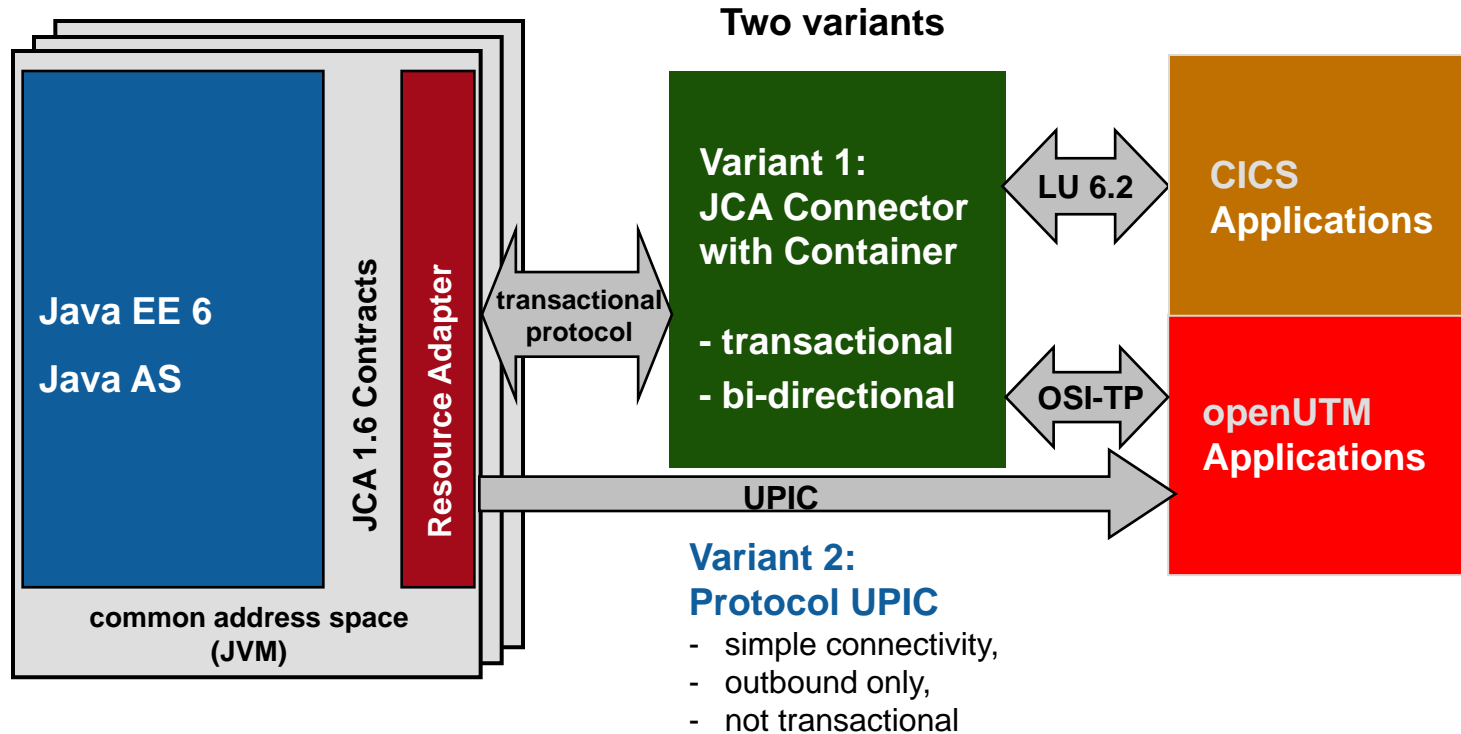
- **BeanConnect™ 3.0** is JCA 1.6 compliant and offers different levels of functionality:
 - simple one way access from Application Server to an EIS
 - supports cluster configurations
 - bi-directional access w/o transactional security
 - different protocols to EIS
 - OSI-TP
 - FSC openUTM-specific UPIC
 - IBM APPC



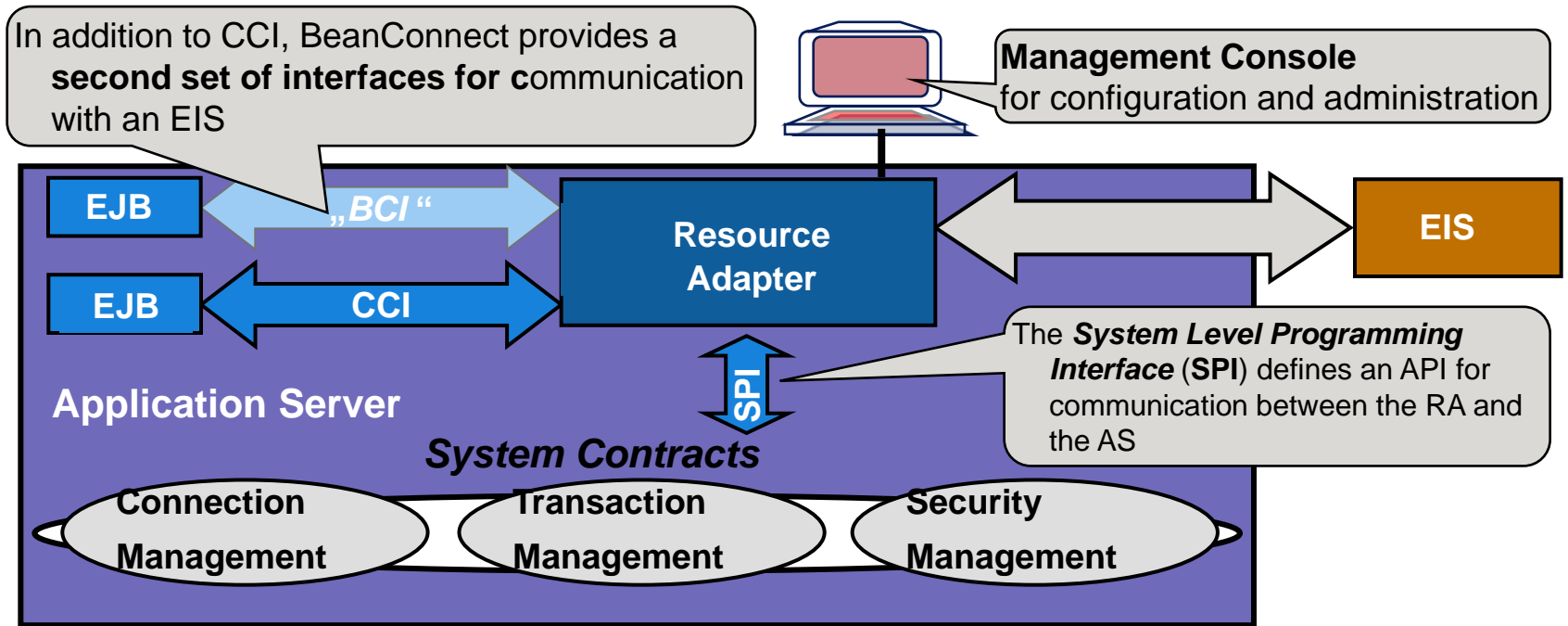
Product Scheme BeanConnect



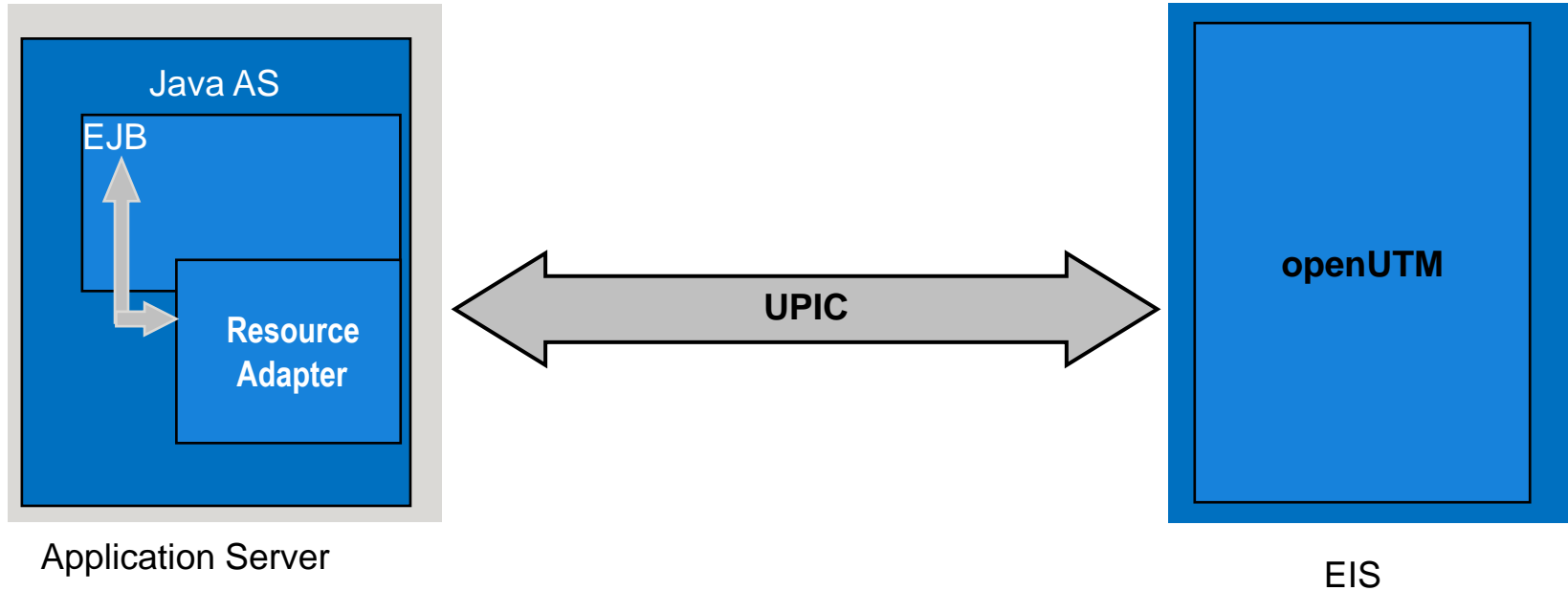
BeanConnect V3.0 – Architecture



JCA Interfaces Overview

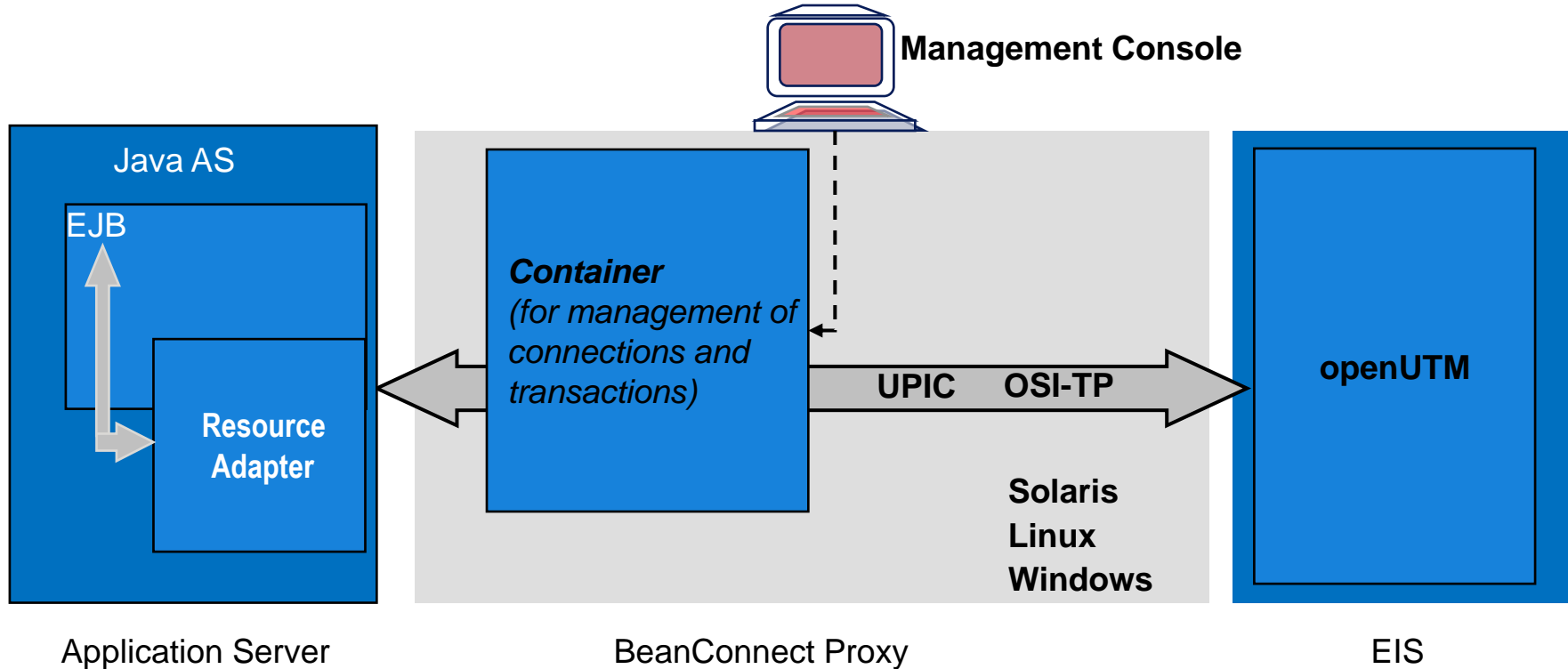


BeanConnect for UTM Applications

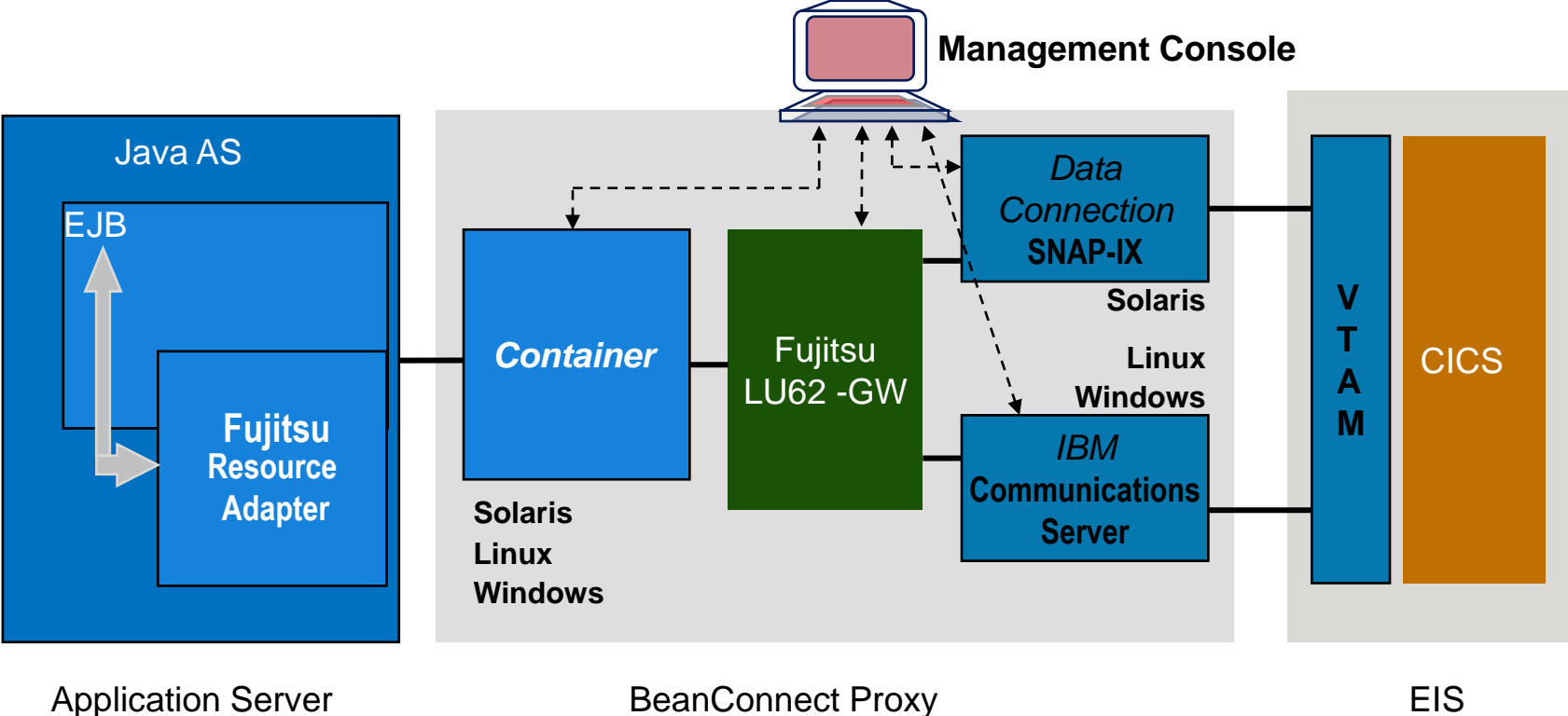



JCA Connector

with Container Architecture for openUTM Applications



BeanConnect für CICS Applications





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