

Prometheus Foundation

Software Development for the Insurance
Industry adhering to the COSAD Standards

Part II

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Eclipse and OSBF board member, CEO Innoopract

Current

- Fragmented market for broker software
- $n*m$ integration problem
- Process automation very expensive
- All market participants need to act due to regulatory / market pressure



Scope

- Broker software platform
- Process support
 - tariffs, inquiries, application, (damage)
 - data validation
 - data interchange
- CRM functionality



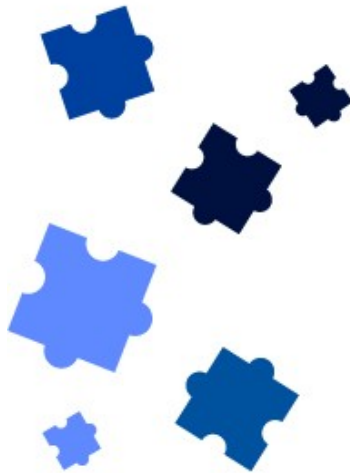
Ingredients

- Governance
- Open Source rules of engagement
- Extensible platform
- Development process
- Extensible data defs
- Ecosystem



Extensible platform

Multiple Component Producers



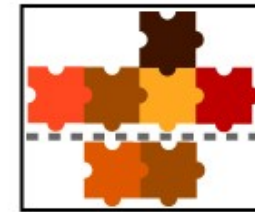
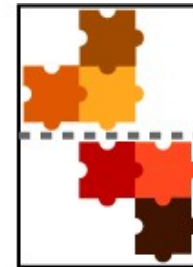
Create

Customize Components



Extend

Individual Solutions



Application
Runtime

Assemble

Eclipse Equinox (OSGi Ref. Impl.)

symbian



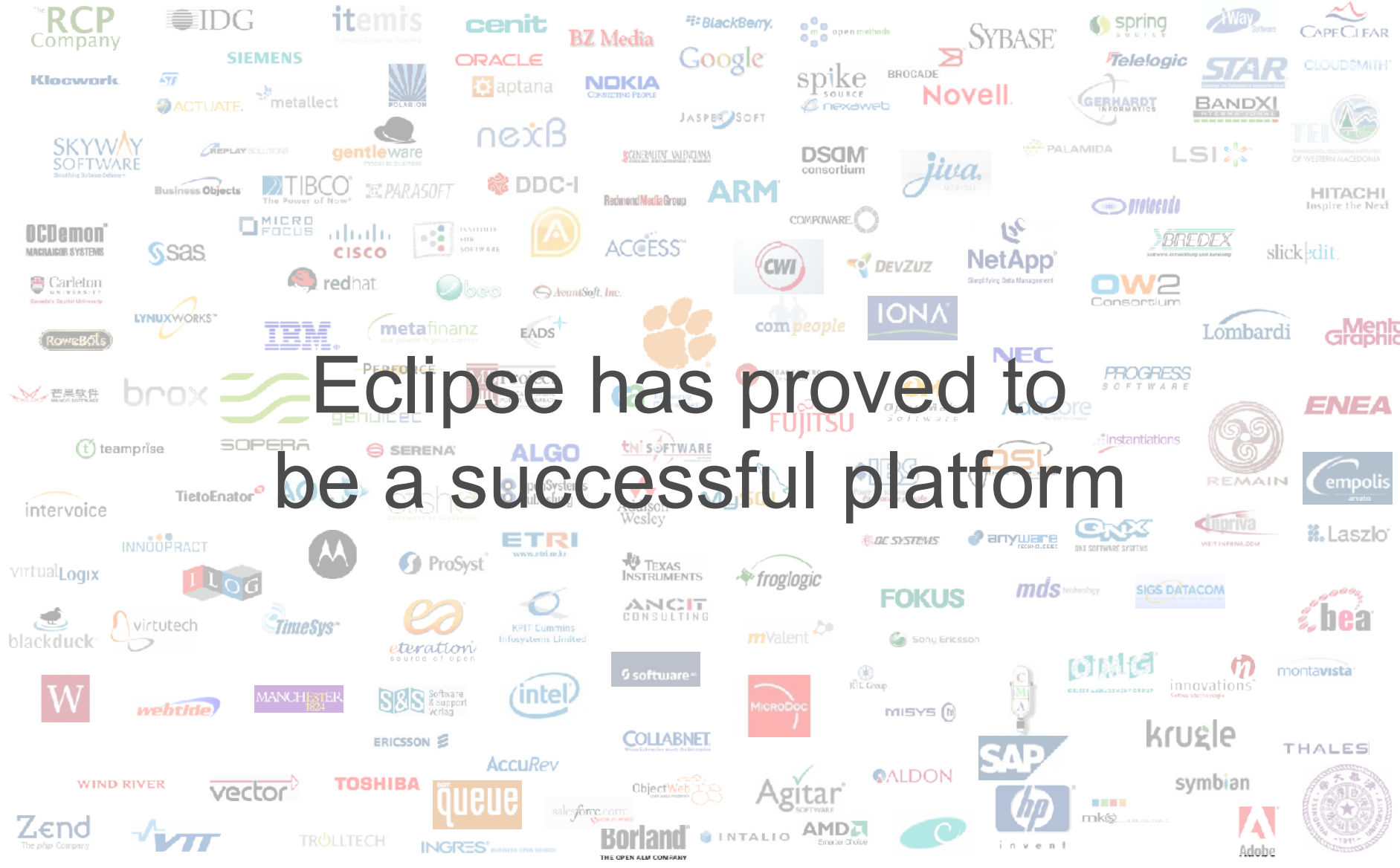
Mac



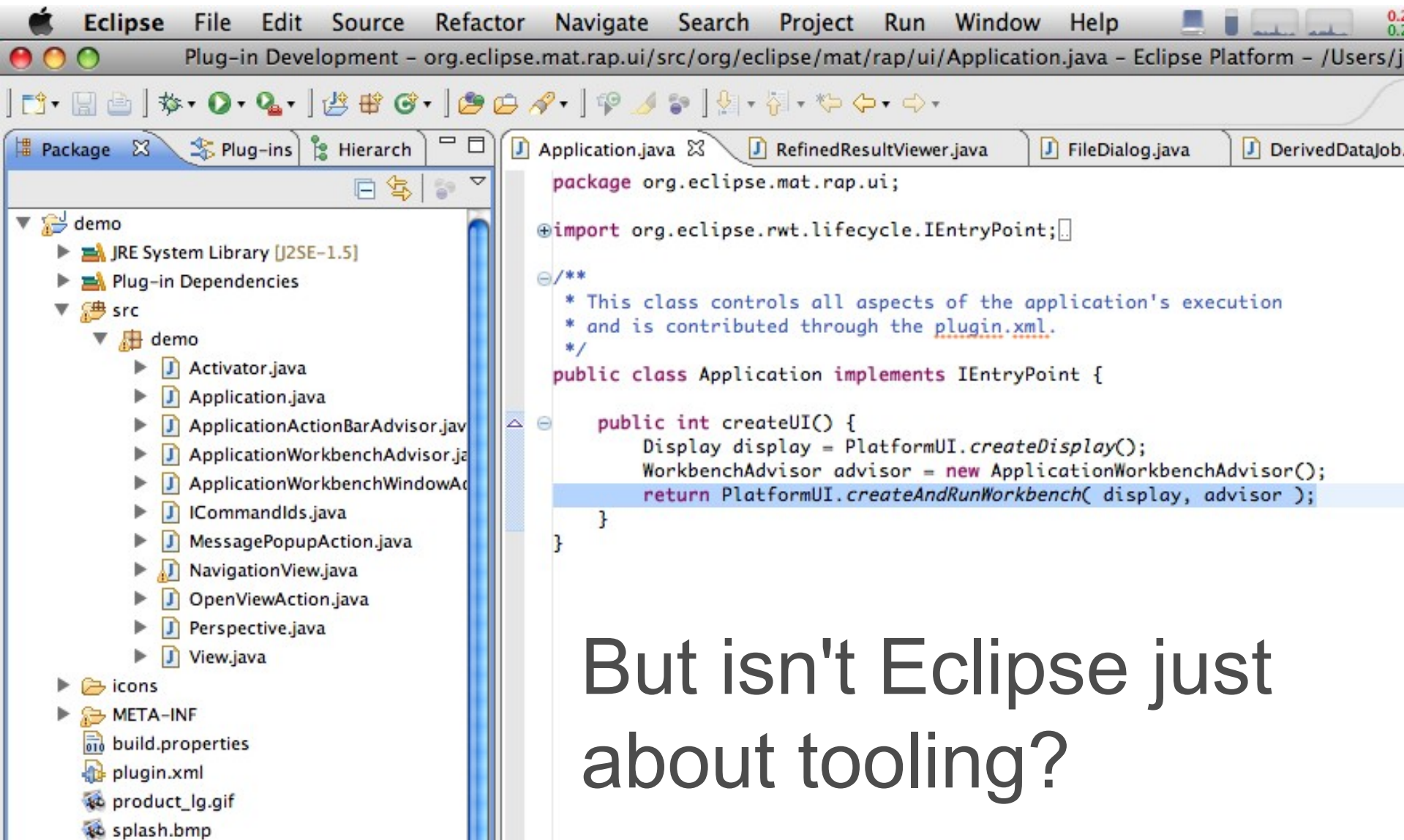
We intend to use Equinox / OSGi
(Eclipse) as platform for Prometheus



eclipse
GANYMEDE



Eclipse has proved to be a successful platform



The screenshot shows the Eclipse IDE interface. The top menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The title bar indicates the current project is 'Plug-in Development - org.eclipse.mat.rap.ui/src/org/eclipse/mat/rap/ui/Application.java'. The left-hand side shows a Package Explorer with a tree view of the project structure, including 'demo', 'JRE System Library [J2SE-1.5]', 'Plug-in Dependencies', and 'src'. The right-hand side shows the source code for 'Application.java'.

```
package org.eclipse.mat.rap.ui;

import org.eclipse.rwt.lifecycle.IEntryPoint;

/**
 * This class controls all aspects of the application's execution
 * and is contributed through the plugin.xml.
 */
public class Application implements IEntryPoint {

    public int createUI() {
        Display display = PlatformUI.createDisplay();
        WorkbenchAdvisor advisor = new ApplicationWorkbenchAdvisor();
        return PlatformUI.createAndRunWorkbench( display, advisor );
    }
}
```

But isn't Eclipse just about tooling?

Kontakte

Ansichten

- Alle Kontakte
- Alle Einzelkontakte
- Alle Organisationen
- Meine Kontakte
- Aktuelle Kontakte

Letzte Suchen

- cas

- Cockpit
- Suche
- Kontakte**
- Kalender
- Dokumente
- E-Mails
- Kampagnen
- Verkaufschancen
- Telefonate

Startseite | Suche in Kontakte | Karin Kruse

Speichern & schließen | Schließen | Löschen | Drucken | Dubletten | E-Mail senden | Telefonieren | Brief schreiben | Folgeaktion | Neue Verknüpfung | Verknüpfen mit

Die Briefanrede wurde automatisch eingetragen.

Allgemein | Details | Lageplan | Kampagnen | Akte | Journal

Person

Anrede: Frau | Name: Karin Kruse

Abteilung: Verwaltung

Funktion: Personal-Referentin

Kategorie: Keine Werte hinterlegt

Klassifikation

Kontakt

Geschäftlich | Zentrale | Privat | Messaging

Telefon (Geschäft): 0611 1234 22

Schlagworte

Anschriften

Geschäftlich | Besuch | Privat

Wilm-Schickard-Str. 16
53131 Köln
Deutschland

Standardanschrift

Die Anschrift wurde noch nicht geprüft.

Länderformat: Deutschland

Notizen

Plug-ins (Bundles) at runtime



Kontakte

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Speichern & schließen Löschen Datensatz

Speichern Schließen Drucken Dubletten Aktionen

E-Mail senden Telefonieren Brief schreiben Kontaktieren

Folgeaktion Neue Verknüpfung Verknüpfen mit Verknüpfung

Die Briefanrede wurde automatisch eingetragen.

Running on a server

Apple **Firefox** File Edit View History Bookmarks Tool

CA

https://login.cas-pia.com/eim/servletbridge/login

CAS PIA® cas

Abteilung Verwaltung

Funktion Personal-Referentin

Kategorie Keine Werte hinterlegt

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Länderformat Deutschland

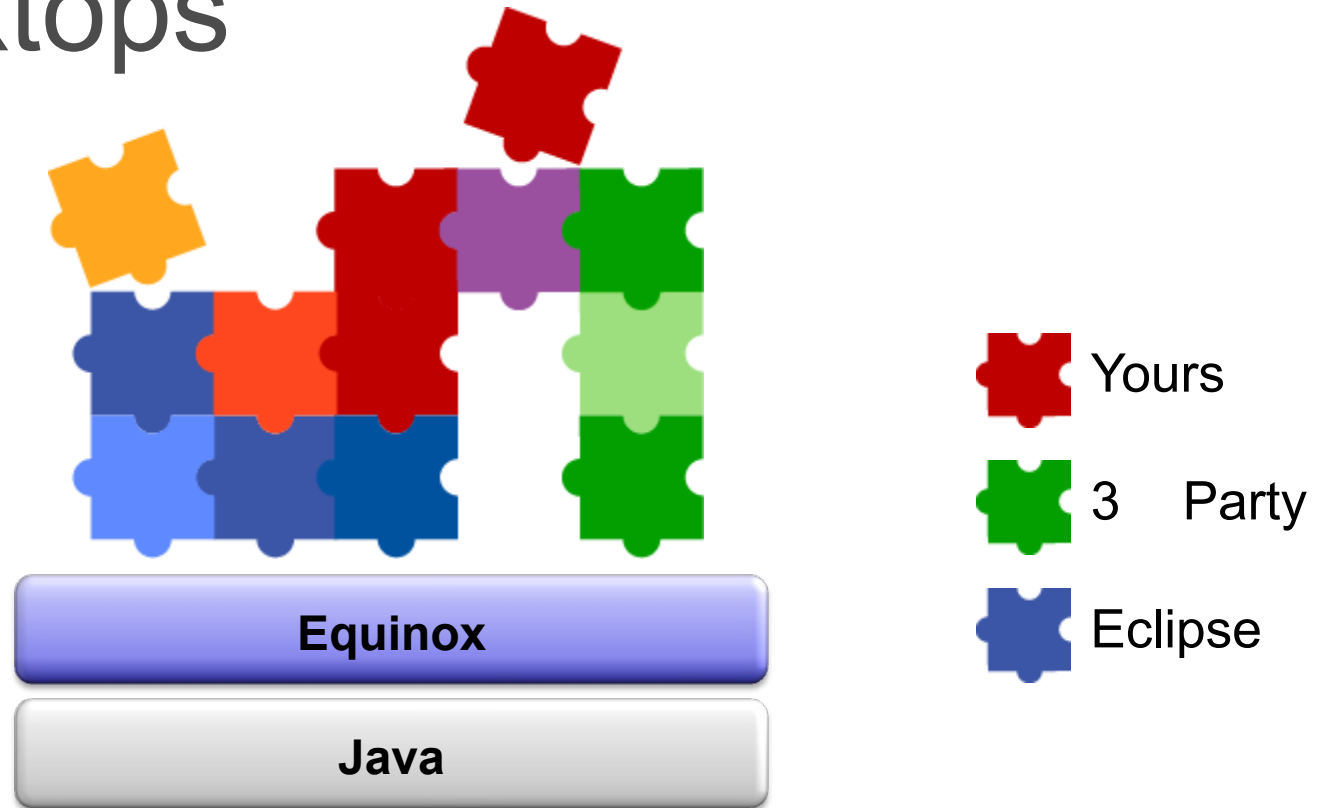
Kontakt Notizen

Geschäftlich **Zentrale** Privat Messaging

Telefon (Geschäftl) 0611 1234 22

Schlagworte

For desktops

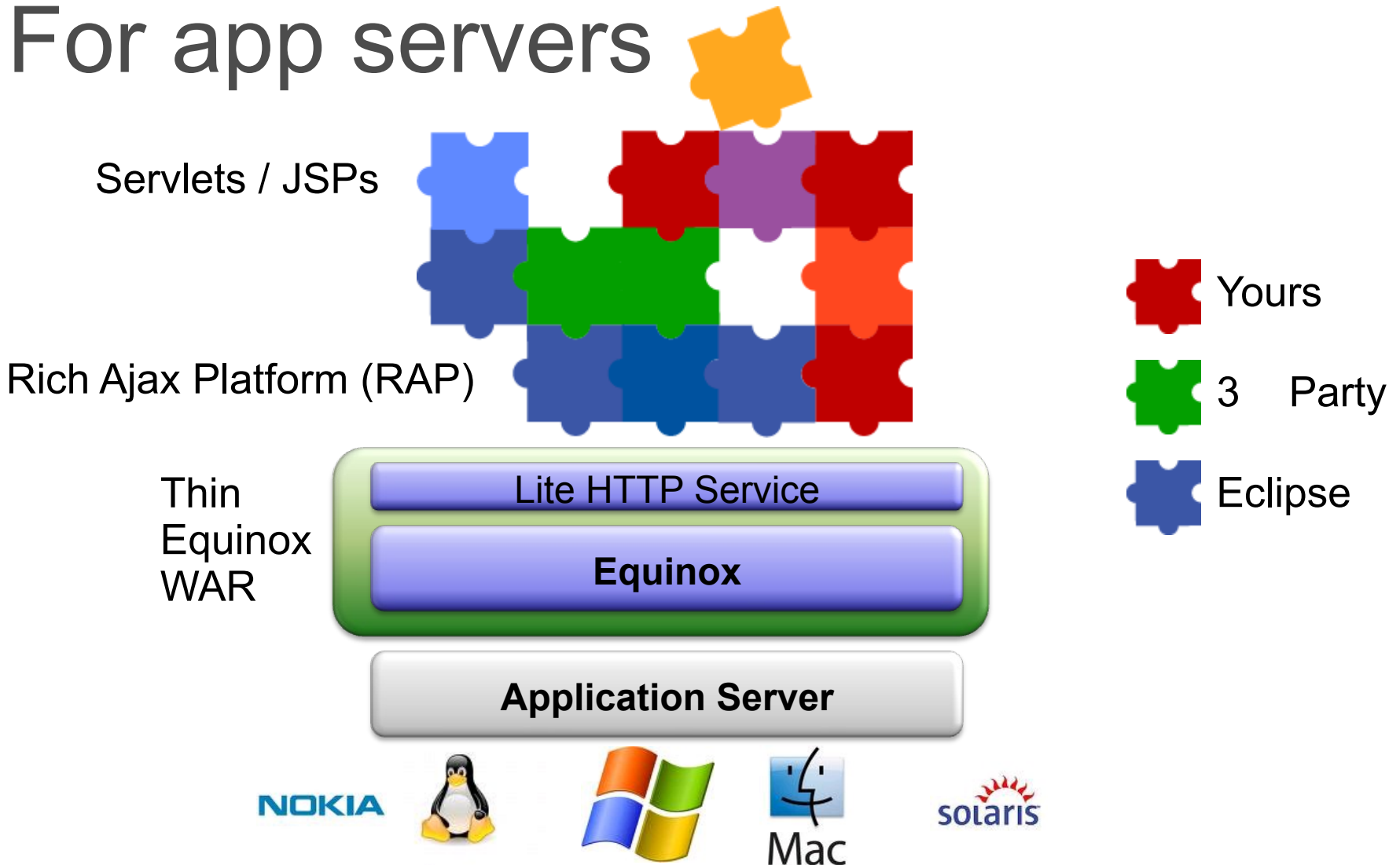


NOKIA



solaris

For app servers



Equinox platform summary

- Millions of successful deployments – Eclipse IDE
- Plug-in architecture enables product line approach, ecosystem approach
- Runtimes for desktop, server and mobile
- More plugins for modeling, reporting, search, o/r mapping, ...

Plug-ins help provide a platform that allows differentiation in code – but we also need differentiation in data

Data definitions - Insurance industry standards



= %%%%

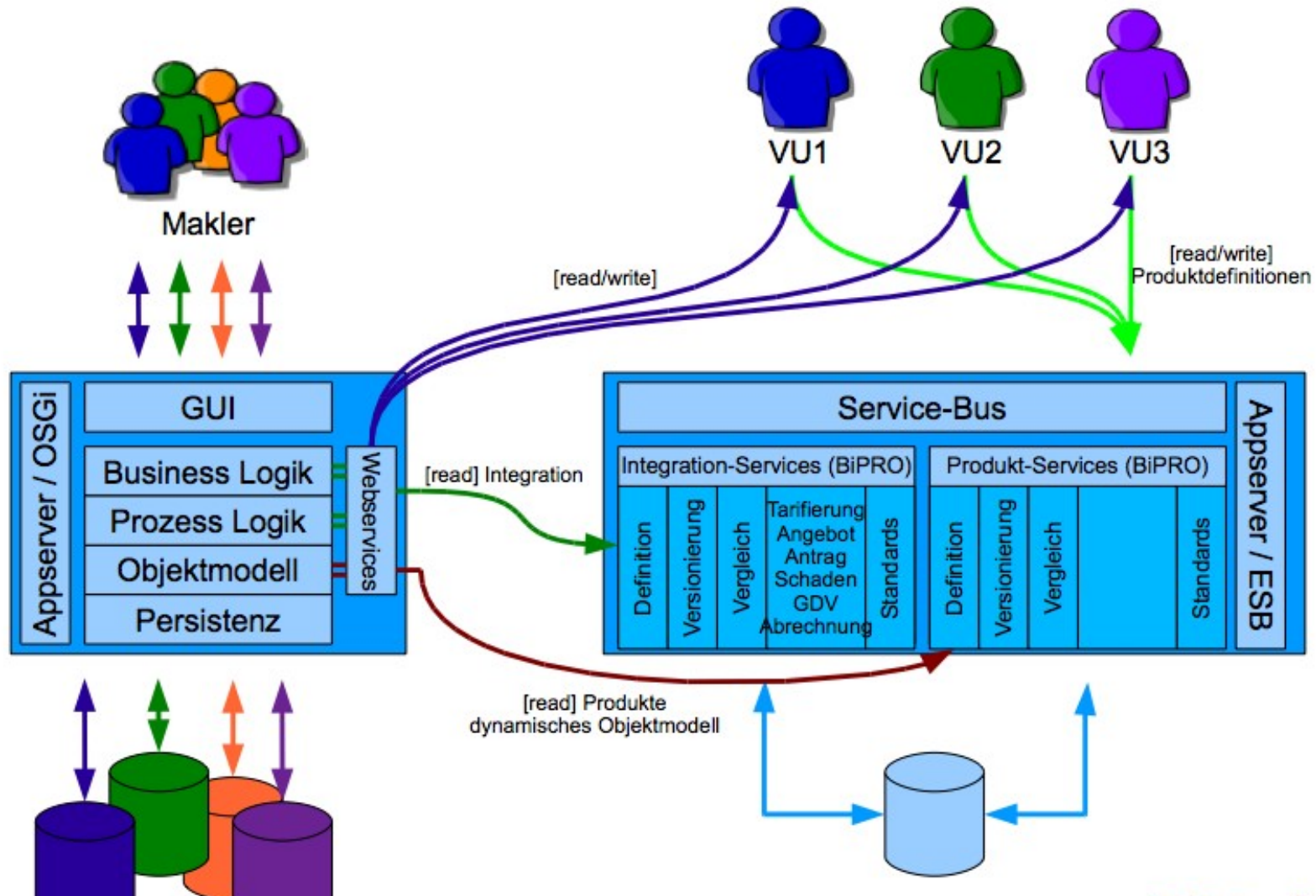
New: AllianTS introduces tariff
(%%%) for sunday walkers



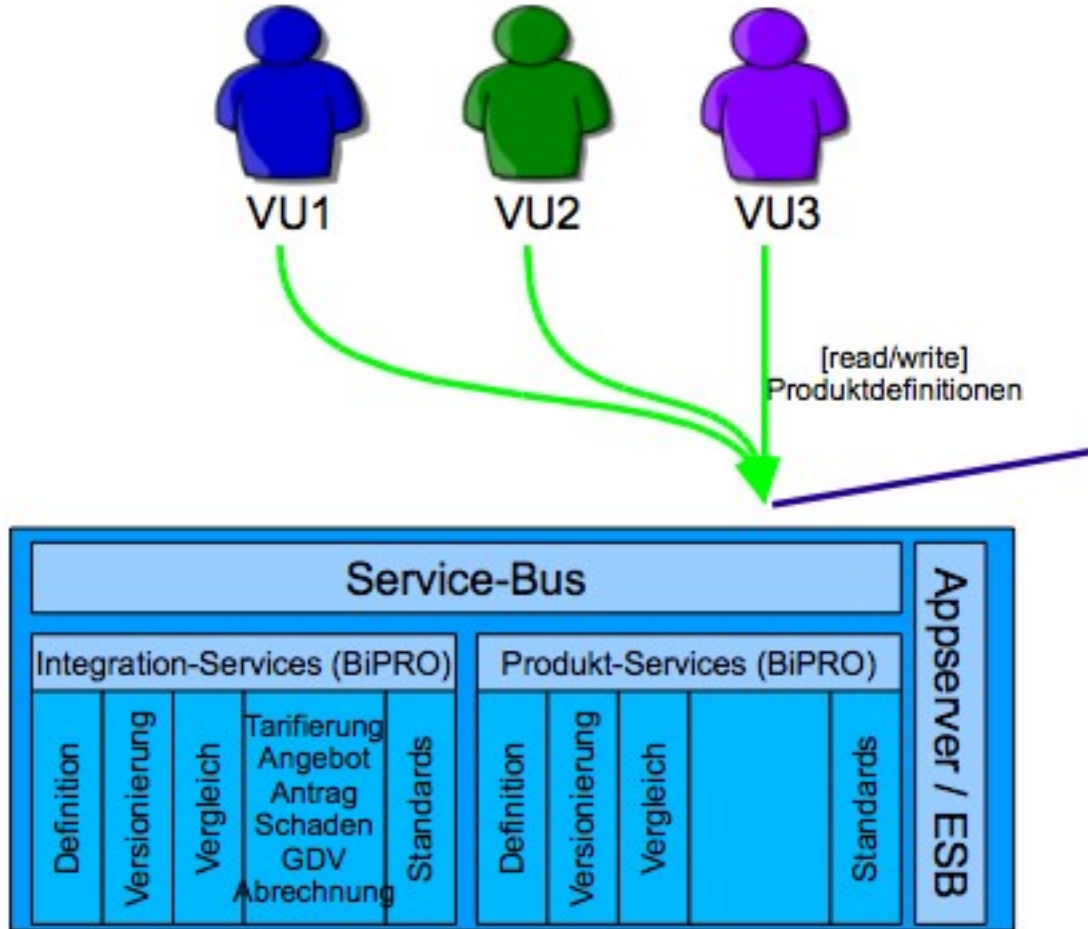
Standards and differentiation

- BIPRO data model – defined as XML Schema (xsd)
- Communication based on web services (wsdl)
- Declarative description of differences with xsd:redefine
- ws:policies - linking element between standardized services and customized data structures
- Implementation based on „properties pattern“

Technical architecture

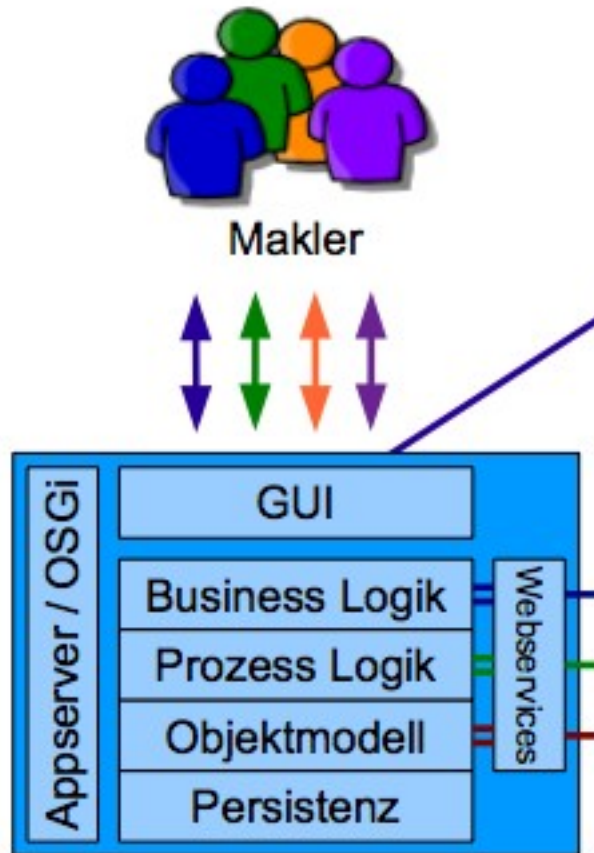


Defintions – centrally hosted



Trust
 Product data structure
 Service definition
 GUI definition (optional)

Ecosystem for production



- ISVs
- Broker networks
- 3rd party integration (e.g. tariff comparison)

System largely determined by Service Bus definitions

- Products (data)
- Processes

References

- Open Source Business Foundation – COSAD <http://osbf.de/en/node/39>
- BIPRO <http://bipro.net/>
- Equinox platform <http://www.eclipse.org/equinox-portal/>
- Property pattern:
<http://steve-yegge.blogspot.com/2008/10/universal-design-pattern.html>
- Images
 - http://en.wikipedia.org/wiki/File:Heinrich_fueger_1817_prometheus_brings_fire_t
 - <http://de.wikipedia.org/w/index.php?title=Datei:Afrodi6.jpg> (Hans Weingartz)
 - <http://en.wikipedia.org/wiki/File:Skier-carving-a-turn.jpg>
 - http://commons.wikimedia.org/wiki/File:Carl_Spitzweg_036.jpg