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WSO2

- Founded in 2005 by acknowledged leaders in XML, Web Services Technologies & Standards and Open Source
- Producing entire middleware platform 100% open source under Apache license
- Business model is to sell comprehensive support & maintenance for our products
- Venture funded by Intel Capital
- Global corporation with offices in USA, UK & Sri Lanka
- 100+ employees and growing

Upcoming webinars

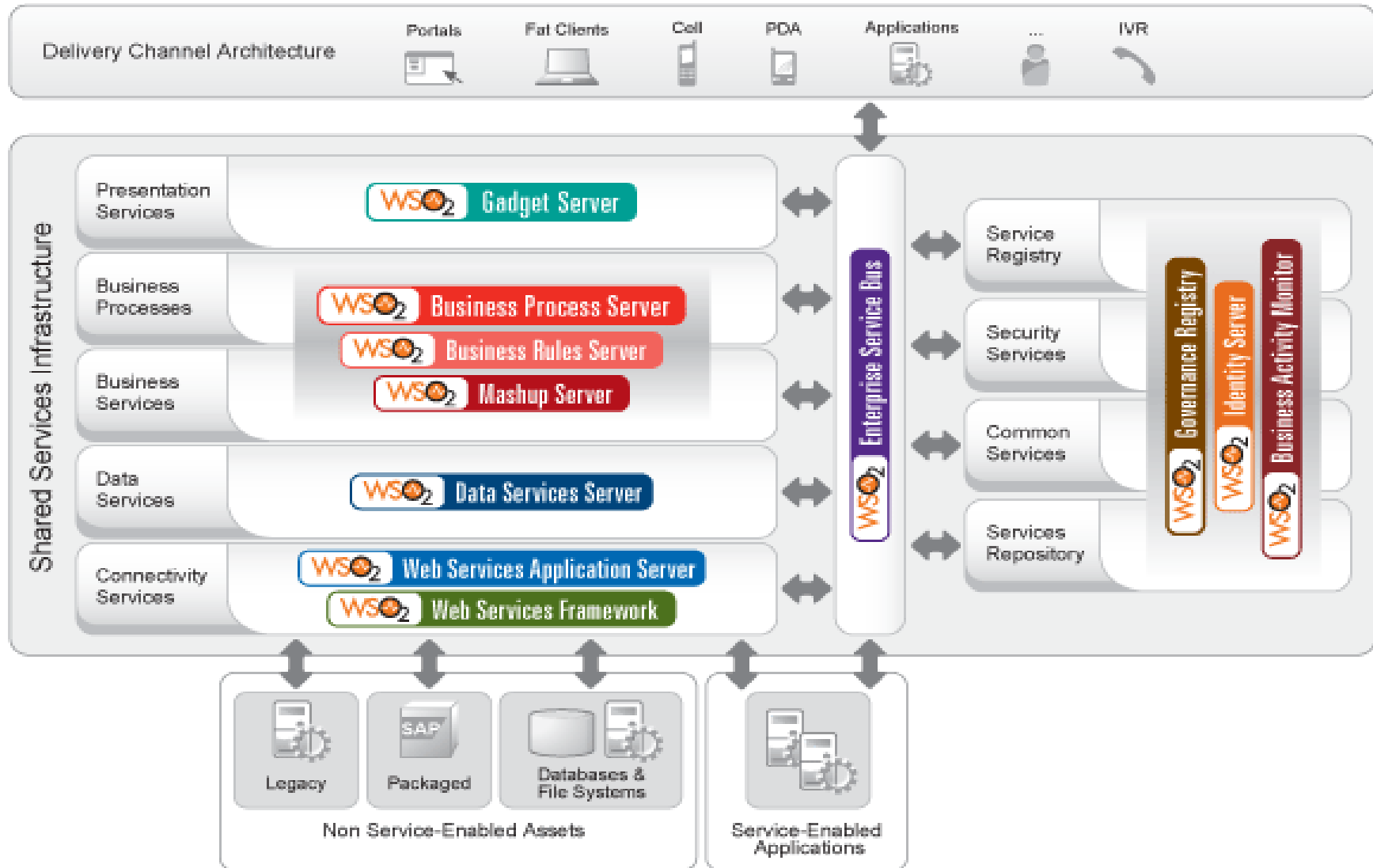
<http://wso2.org/library/webinars>

- **SOA Security Patterns – Tuesday, 26th October**

Outline of today's webinar

- Little bit about our complete SOA Platform
- WSO2 Carbon Studio
 - Introduction
 - Features
 - “Carbon Application”
 - Future development

WSO2 SOA Platform



WSO2 Carbon Studio

- WSO2 Carbon Studio is the development tool for writing applications that get hosted on one or more of carbon servers.
- This is based on the popular Eclipse IDE with all the familiar tools at hand
- Carbon Studio contains diverse set of tools vital for configuring your enterprise architecture
- But first things first, lets see how we can get it installed to your eclipse

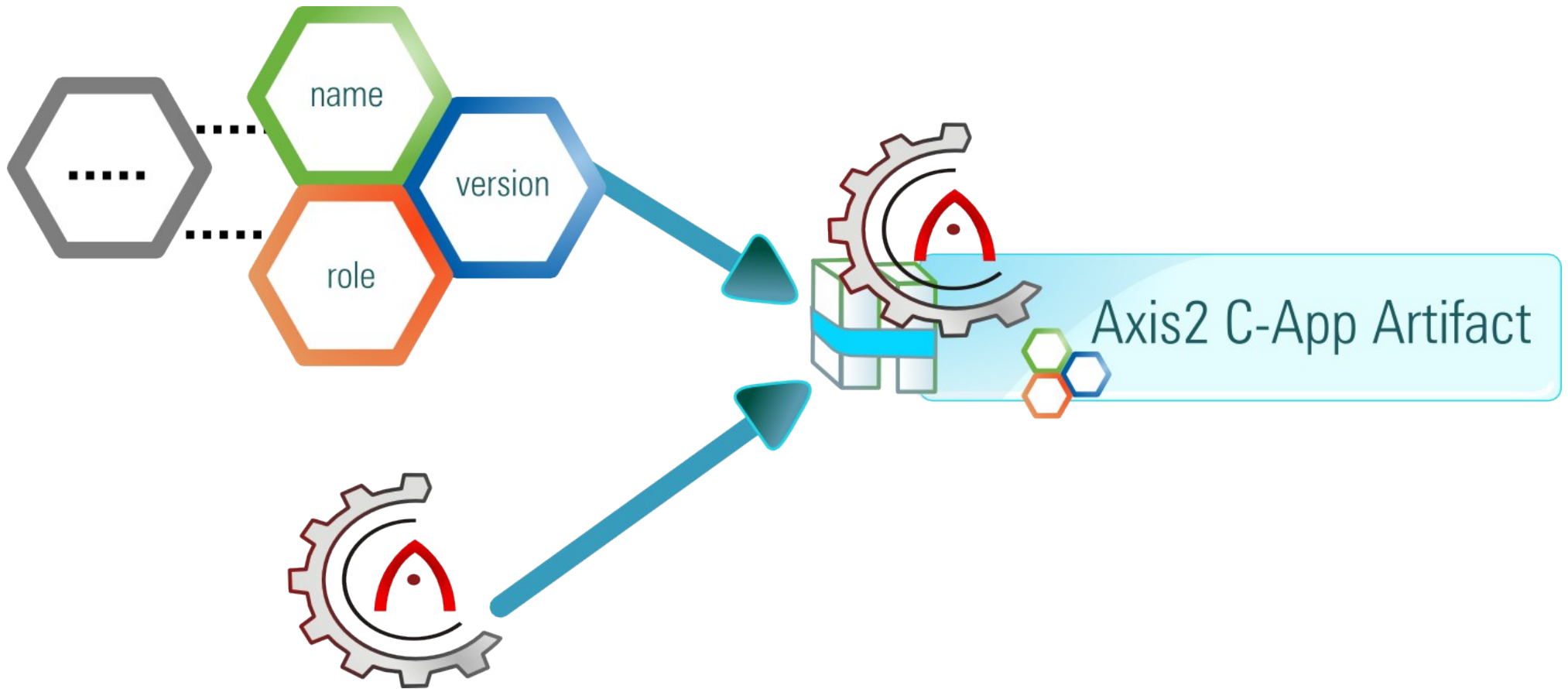
Demo – Installing Carbon Studio

Carbon Applications

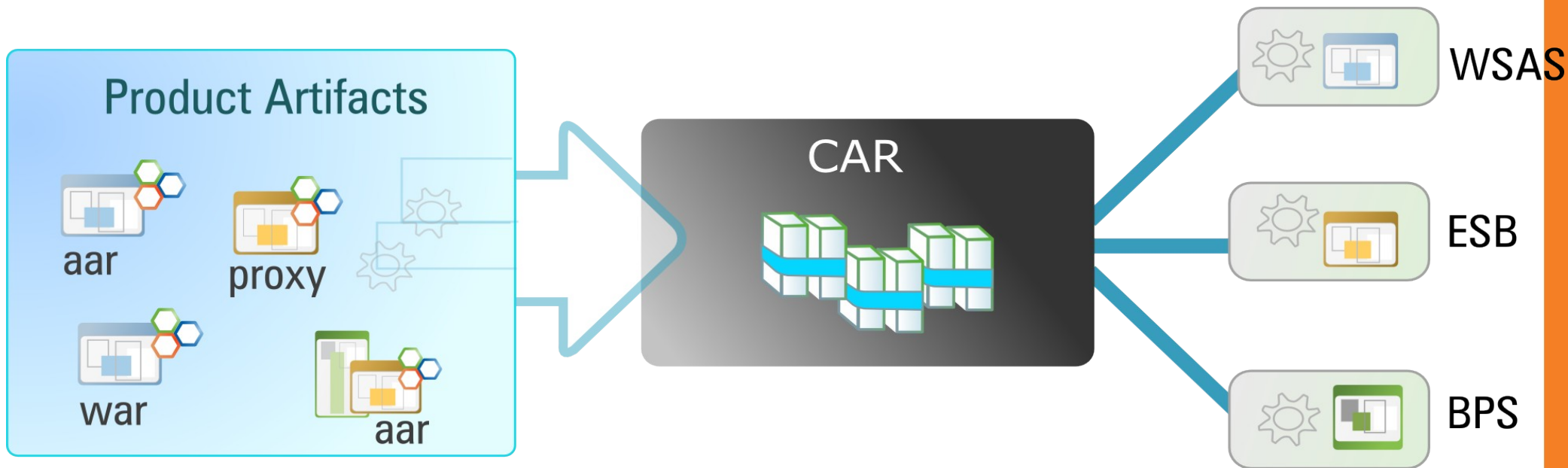
- What we deploy from Carbon Studio to a Carbon Product (say ESB Server) is called a Carbon Application (C-App)
- C-Apps consist of any combination of web services, mashups, data services, ESB configs, business processes, rules etc.
- We call these individual items as C-App artifacts
- Other than deployable itself, a C-App artifact has a name, a version, some set of dependencies and a server role.

Carbon Application Artifact

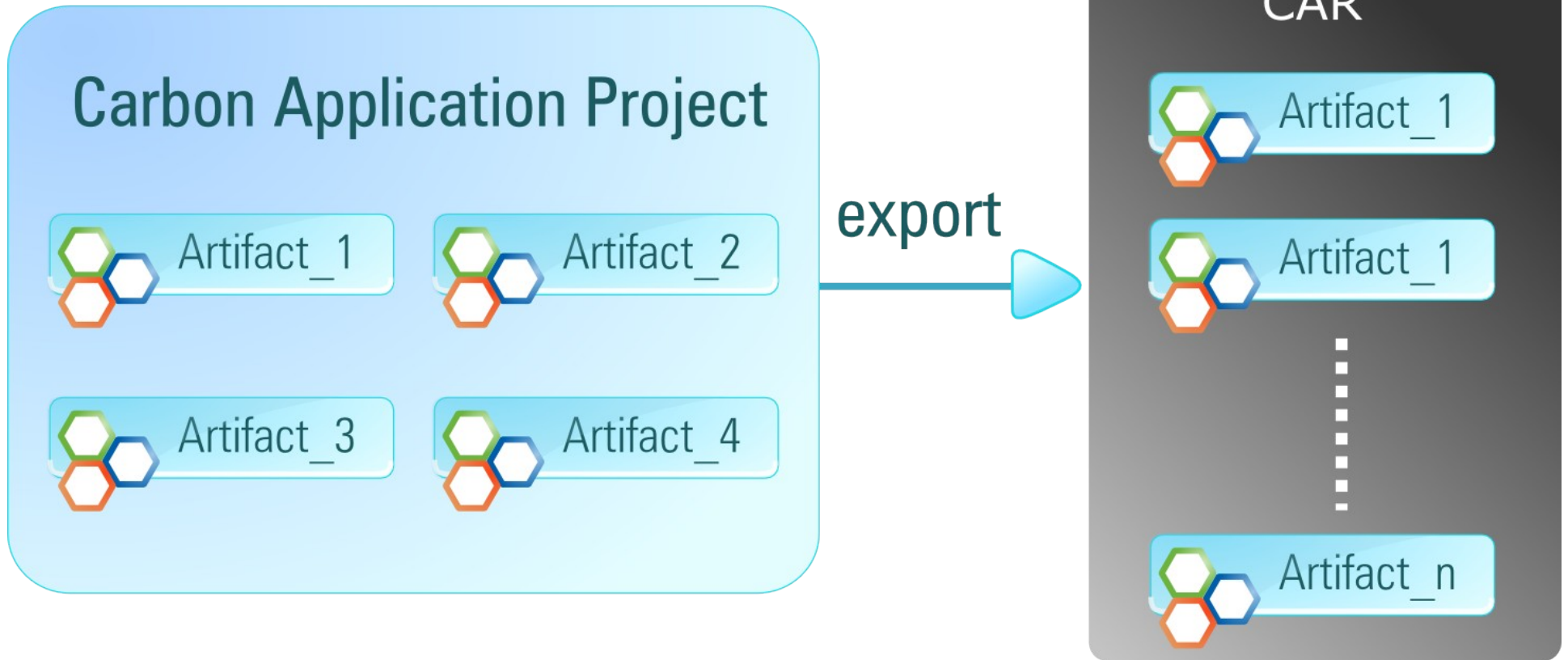
Lets take an example,



Carbon Application Archive (CAR)



Carbon Application Tools



Demo – Carbon Application Project & Axis2 Service

ESB Editor

- This is a tree view editor similar to the web console editor but with much more feasibility and improvements
- The editor supports creating or editing
 - An individual set of synapse configurations
(eg: endpoints, sequences, local entries etc.)
 - Or an entire synapse configuration containing
(just like creating a synapse.xml)
- Lets see how we can use the ESB editor to create a simple proxy service pointing to a dataservice.

Demo – Proxy services & Endpoints

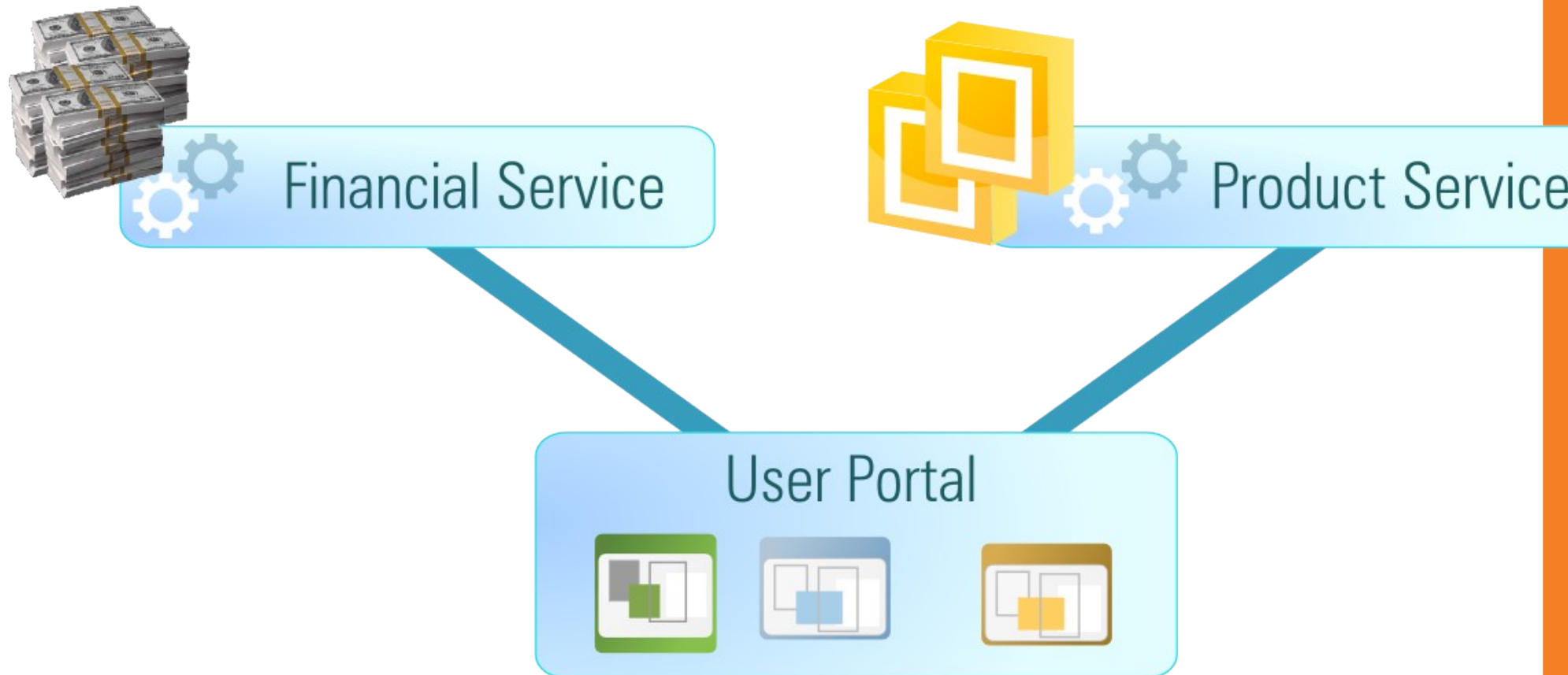
Building Front-end applications

- If you are sufficiently knowledgeable in html/jsp, creating web UIs is pretty simple using Carbon Studio.
- WSO2 Carbon platform allows you to host Carbon UI components in any of the carbon servers. And Carbon Studio allows users to create such UI Components right inside eclipse.
- We also support WAR deployment and testing.
- All these UI can be easily deployed & tested using the tools inside Carbon Studio. It is as simple as you executing and testing a simple “helloworld” java application inside eclipse.
- We have the additional support for creating gadgets & deploying them on the Gadget Server.

Demo – Acme User Portal

- In the above demos we've created 2 services.
 - A Service to handle financial transactions
 - A Service to view & retrieve product data
- Lets create a simple front-end application where these services are used in order to view and/or buy the products mentioned.
- Due to time constraints the code for the web ui is already present in the workspace.
- Lets see how we can configure it and deploy it as a web application to a carbon server using carbon studio tools.

Demo – Deploying WAR



Governance Registry Tools

- You can consider a registry as your simple and easy to use data repository.
- Every carbon product has one.
- A registry contains collections, resources & their metadata. All your data & many of the configurations are contained here.
- So eventually you'll need to start managing your registry.
- We have a set of G-Reg tools introduced to do just that. Lets see these tools in action.

Demo – G-Reg Tools

More features...

- Dataservice Editor
- Integrating
 - Eclipse BPEL editor tools
 - OpenSocial Development Environment Tools
- C-App support for
 - Registry Filters/Handler
 - Synapse Custom Mediators
 - Custom Dataservice Validators
 - Shared Libraries
 - ...

Future of WSO2 Carbon Studio

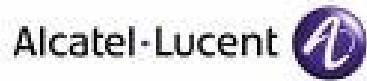
- Introducing new graphical editors for
 - ESB/Dataservice configurations
 - Simple but effective form editors for many configuration files
- Intercommunication among different artifact types.
- Stratos Tools
- Development Tools for Carbon

Questions

Engagement Model

- Quick Start
 - Combination of consulting, training and POC development in one week by WSO2 on-site team working hand-in-hand with customer team
- Development Support
 - On-going support for Customer's engineering teams
- Production Support
 - Full 24x7x365 enterprise support providing software maintenance and support

Selected Customers



Mercedes-Benz



Resources

- Community site
<http://wso2.org>
- Project Home:
<http://wso2.org/library/carbon-studio>
- Support : bizdev@wso2.com
- Company website: <http://wso2.com>
- Email:
 - Chathuri: chathuri@wso2.com
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