



# SMARTEAM® – OA Adapter (OAA)

## Highlights

- **Integrating the latest product data across engineering, manufacturing, sales and service**
- **Universal EAI platform adapter**
- **Bi-directional product data exchange between SMARTEAM and Oracle Applications product definition modules**
- **Item data transfer**
- **Bill of Materials data transfer**
- **Engineering Change Order exchange**
- **Open interfaces to be used in Business Process Modeling applications and tools**
- **Customization and enhancements**
- **Benefits of an enterprise Gateway**
- **Oracle Applications Support Packaging**

### **Integrating the latest product data across engineering, manufacturing, sales and service**

Bringing the benefits of product lifecycle collaboration solutions to Oracle Applications, the SMARTEAM – OA Adapter tightly integrates product processes and development from conceptual drawings and CAD designs, and all the way through to realization, support and obsolescence, enabling a higher level of business efficiency and profitability throughout the extended enterprise. SMARTEAM – OA Adapter exchanges mission-critical data via two-way data linkage between SMARTEAM product data repository and Oracle Applications, eliminating human error, speeding time-to-market and reducing manufacturing costs.

Working seamlessly with the SMARTEAM family of products and best-practices, the SMARTEAM – OA Adapter serves as the glue that ties the value chain together, enabling businesses to share and exchange the most updated product data, including information about Parts, Bills of Material, Change Processes and Documents, across engineering design,

manufacturing logistics, customer service and other legacy systems - benefiting the entire extended enterprise.

### **Universal EAI platform adapter**

Supporting universal EAI technologies, such as BizTalk® Server, SMARTEAM – OA Adapter is SmarTeam Corporation's adapter to Oracle Applications, sold as an Add-On to SMARTEAM® – Gateway.

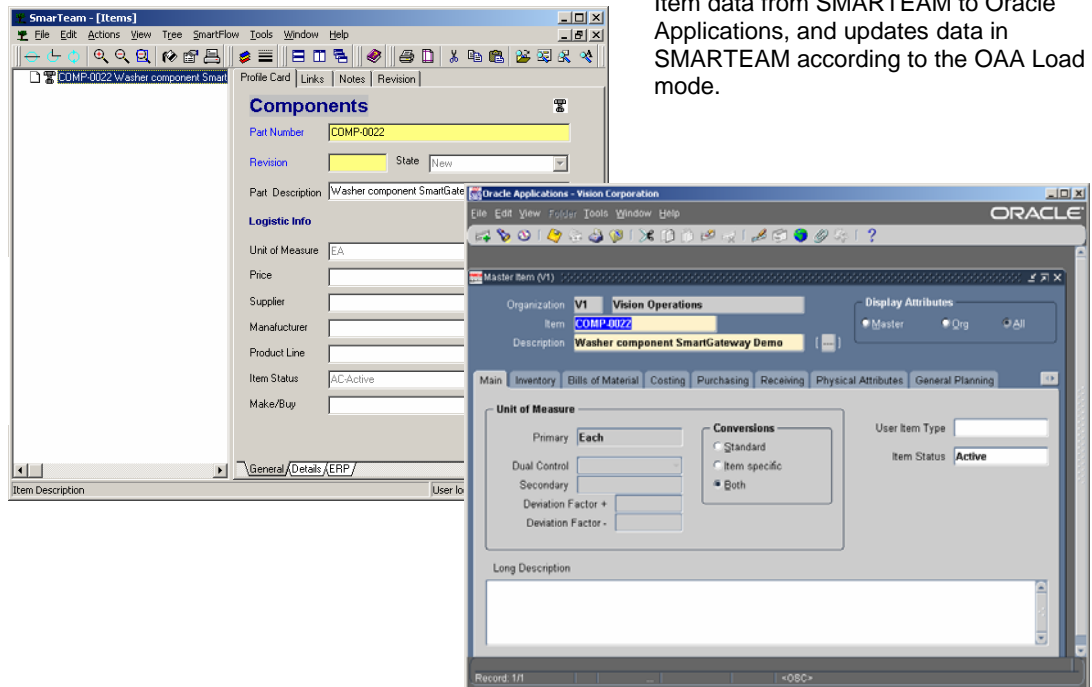
### **Bi-directional product data exchange between SMARTEAM and Oracle Applications product definition modules**

Providing built-in integration capabilities to be used in concert with SMARTEAM - Gateway services, the SMARTEAM - OA adapter supports the transfer of Documents, Items, Bills of Material and Engineering Change Orders (ECO), supporting Catalog, Categories and more, using SMARTEAM - Gateway Outbound and Inbound channels. The OA Adapter can be configured to support different options of transferring data (i.e. create new items, only update, with ECO, without ECO, etc.)

### **Item data transfer**

SMARTEAM – OA Adapter transfers Item data from SMARTEAM to Oracle Applications, and updates data in SMARTEAM according to the OAA Load mode.

Viewing SMARTEAM Objects updated in Oracle Applications as a result of the mapping



### Bill of Materials data transfer

Bill of Materials (BOM) can be transferred in both directions using the Outbound and Inbound Gateway channels. Different BOM creation options, such as new/add/update/delete, as well as "overwrite", are available. In addition, BOM-related operations may be attached to an Engineering Change Order (ECO) process.

### Engineering Change Order (ECO) exchange

The SMARTEAM - OA Adapter can be configured to manage ECO processes, by which it can transfer and update ECO parameters.

### Open interfaces to be used in Business Process Modeling applications and tools

SMARTEAM - OA Adapter interfaces, which can be exposed using COM, can be used for automation of complex business processes and tasks using BizTalk Orchestration.

### Customization and enhancements

SMARTEAM - OA Adapter functionality can be enhanced using the internal SMARTEAM - Gateway Integration Manager capabilities (business logic, filtering, triggering of events) and by leveraging EAI platform capabilities (mapping tools, business process modeling, etc.).

### Benefits of an enterprise Gateway

Information is available across the enterprise:

- Speeding time-to-market
- Enabling efficient change processes
- Eliminating human errors
- Increasing product quality
- Reducing manufacturing costs
- Streamlining information flow between engineers and manufacturers
- Complying to universal EAI standards
- Enabling business process modeling

### Oracle Applications Support

The SMARTEAM - OA Adapter is leveraged on top of Oracle Applications 11i Open Interface, Web Server and APIs.

### Packaging

SMARTEAM – OA Adapter is available as an Add-on to SMARTEAM – Gateway. SMARTEAM – Gateway is available only in the SMARTEAM – Gateway Administration Configuration (SGA).

For more information, check our web site at:

[www.smarteam.com](http://www.smarteam.com)

Or

[www.ibm.com/solutions/plm](http://www.ibm.com/solutions/plm)

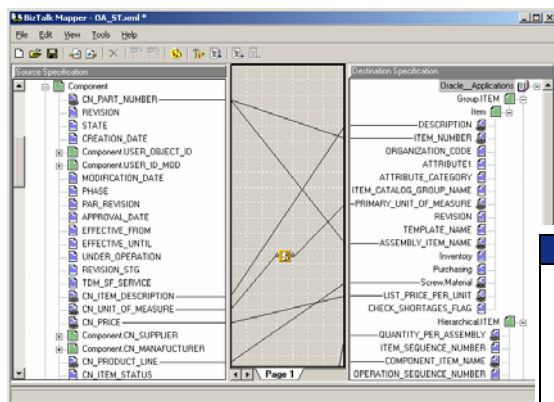
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Mapping the SMARTEAM – Gateway Schema to Oracle Applications Schema using Microsoft BizTalk.

Hardware Requirements	Software Requirements
<ul style="list-style-type: none"> <li>• Dual Processor Pentium III 700Mhz or higher</li> <li>• Memory: 1 GB or higher</li> <li>• Free disk Space: 750 MB</li> <li>• Network adapter card 100 MB/sec NIC or higher</li> </ul>	<ul style="list-style-type: none"> <li>• Microsoft Windows 2000 Server SP3 or 4, or Windows 2003 Enterprise Edition, or Standard Edition</li> <li>• SMARTEAM – Gateway V5R14</li> <li>• SMARTEAM - Gateway Oracle Applications packages</li> <li>• Middleware Integration: Microsoft BizTalk Server 2002 SP1 Standard Edition or Partners Edition</li> <li>• Oracle Applications 11i patch 11.5.4 to 11.5.8</li> <li>• Oracle Application client system requirements</li> </ul>

- The SMARTEAM – OA Adapter is applicable only on the Microsoft BizTalk Server platform.
- Please be aware of minimal Oracle Applications 11i system requirements.
- System administrator and/or Oracle Applications 11i administrator is required for implementation and maintenance.
- Please refer to the SMARTEAM – Gateway Functional Spec and SmartGateway Installation Guide for additional information.
- Different variables may affect system requirements. Specific configuration will be defined per customer.