



## Elements Repository Version 3.0 – What’s New

### Oracle 10g Support

The Elements Repository can now be installed on either Oracle 9i Enterprise or Oracle 10g Enterprise.

### Internet Explorer Version 7 Support

The Elements Repository Web user interface has been tested with Microsoft Internet Explorer version 7.

### Template-Based Form, Report and Portal Customization

Enterprise Elements has developed an XML-based markup language that allows customers to create custom forms, reports and portal desktops in HTML and insert standard Elements data display and input components as desired.

### Data Transformation Engine

It has always been possible to use conventional Oracle-based approaches to copy and/or transform information from one Class in Elements to another.

In version 3.0, Elements supports the ability to define and store migration transformation rules as migration “jobs” and run the jobs from within the Elements user interface.

### Government-audited Section 508 Compliance

The US Department of Veterans Affairs Section 508 compliance team has extensively reviewed the Elements Repository user interface and provided detailed input to our Development team. As a result, Elements Repository is now in strict compliance with the Section 508 requirements.

### Export/Import Additions

#### ***Computer Associates ERwin Version 7***

A metamodel supporting the native ERwin version 7 XML import/export format can now be activated within the Elements Repository.

This allows import of entire ERwin models into Elements for archiving, reporting, metadata management functions, and association with Enterprise Architecture or other data.

#### ***Troux Metis***

Metis models can now be imported into the Elements Repository

#### **Automatic metamodel configuration**

Upon import, the appropriate Elements Class structure is built on the fly to allow for import of the model information.



## **Portal arrangement aligned to Metis “containers”**

Metis uses a graphical containment object to help organize information hierarchically within models.

The Elements Metis import process transforms this containment organization into an Elements Folder structure.

## ***Microsoft Project***

Microsoft Project XML files can now be imported into Elements, creating the appropriate eTask Elements.

## **Extended DBA Portal Desktop**

An extensive Portal Desktop has been created containing a variety of reports and listings that allow Elements Administrators and Oracle DBAs to monitor database performance in general and in the context of the multitude of tuning parameters present in the database.

These views provide the feedback necessary to optimize performance on a given server with a given amount of memory and CPU capacity and to indicate when the hardware is in need of upgrading to maintain minimum acceptable performance.

## **Extended Portal Configurability**

### ***Folder Access Control***

Access control rules can now be set at the Folder level.

### ***Individualized Settings***

Folder “Layout” settings can now be optionally applied to either all users or individual users.

## **Pre-Loaded Standards**

### ***FEA Reference Models***

The December 2006 versions of the FEA Reference Models are pre-loaded into Elements, if the “EA” installer pack is selected.

Elements also support import of new reference model information published in the current XML standard format.

“Principle” listings have also been imported from the FEA documentation.

### ***US Census Standard Lists:***

- Country
- Gender
- Occupation
- Race



## **eDiagram Manager Enhancements**

### ***Diagram-based text find***

Symbols within an eDiagram can be found and visually indicated based on a text search of the underlying Elements.

### ***Visual Indicator-based selection***

A new function has been added that will select any visually-indicated symbols within an eDiagram. This makes it easy to use Find- or Filter-based techniques to identify Elements for removal or editing.

### ***Expand Wizard***

The “Expand” feature now presents a wizard that allows users to preview all Elements that could be brought into the diagram and select from them only those desired.

### ***Circular Layout***

A new layout style

## **Class Manager Enhancements**

### ***Oracle Synonym Management***

Public or Private synonyms within the EE schema owner can now be specified from within Class Manager.

### ***Attribute String-to-PickList Wizard***

It is now possible to convert an existing String attribute to a Pick List. A wizard will assist the user in mapping the appropriate existing string values to new Pick List items.

### ***Attribute Boolean-to-Number Wizard***

Boolean attributes can now be converted to Number, mapping “Yes” to 1 and “No” to 0.

### ***Attribute String-to-Hyperlink Wizard***

If a String attribute contains URLs, it can be converted to Hyperlink, exposing the URLs as active links.

### ***Package-based organization***

Classes can now be organized in a hierarchical, UML-like Package structure. This allows for fully-qualified naming of different Classes that have the same name but different definitions and also easy organization of Classes that relate to one-another in some way.

The Class Manager now has an optional tree view that shows the Package structure.



### ***SQL Pick List Extended Types***

SQL Pick List Attributes can now reference records in any non-Element table (non-ELEMENT\_ATTR\_C# table) that contains a unique key, such as Class, Named\_Text or Attribute.

SQL Pick List Attributes can also be used to reference information in other Classes without requiring links (ie. ELEMENT\_RELATION table entries) to be created as a side-effect.

### ***Class Export/Import v1.0***

Elements has defined an XMI format that supports representation of the majority of Class definition characteristics. Class information can be exported in this format and imported into the same or another instance of the Elements repository.

Version 1.0 includes all “General” Class information, all Relationships, and all Attribute types with the exception of SQL Pick Lists.

## **Element Explorer Enhancements**

### ***Addition of Export/Import options***

The new Element export/import capabilities described above are available in the File menu of the Elements Explorer user interface.

### ***Sub-Filter Option added to SQL Pick List Control***

The Java presentation of SQL Pick List Attributes (found in the “Properties” of an Element) now includes a pop-up grid that allows easier selection from large lists of items as well as sub-filtering within that list.