SYBASE®

What's New

Sybase WorkSpace

1.5

[Windows]

DOCUMENT ID: DC00454-01-0150-01

LAST REVISED: June 2006

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Sybase WorkSpace

Sybase® WorkSpace 1.5 combines enterprise modeling, database and mobile development, service assembly and orchestration, and web application development into a seamless environment.

Through the enhancement of the existing features and the addition of new features, such as Web Application Development, Sybase WorkSpace provides a fully integrated design and development platform.

Features are highlighted by component:

- General Features
- Database Development
- Enterprise Modeling
- Mobile Development
- Service Development
- Process Orchestration
- Web Application Development

General Features

Eclipse 3.1.2	Supports the latest version of the Eclipse framework.
Dynamic online help	Provides context-sensitive, embedded help. You simply use the Help menu item to dynamically display the help you need to guide you through the task at hand.
Generic JMS	Supplies a Generic JMS driver definition that enables the use of external JMS providers and user-defined connections.
Multiple database access	Provides a single database connection profile that supports multiple databases within a server.

Tutorials and Samples

Provides two types of tutorials and samples: end-to-end and component-based. End-to-end SybStore tutorials and samples span the complete feature set of Sybase WorkSpace. Component tutorials and samples guide you through using the Web Application Development feature and Adaptive Server Enterprise. All tutorials and samples are easily accessible through the Sybase CodeXchange Web site at http://workspace.codexchange.sybase.com/.

Database Development

This component streamlines the database development process with the following new capabilities and features:

Adaptive Server® Enterprise 15.0

Provides tooling for Adaptive Server Enterprise (ASE) 15.0 to handle medium to large data stores. With ASE 15.0, you can use new data types and SQL grammar in procedural objects and display graphical query plans.

Additionally, Database Development has enhanced support for ASE 15.0 features.

The SybStore end-to-end tutorials for Database Development are updated to include lessons on the new ASE 15.0 features. And the component tutorials highlight features for developing and debugging triggers and stored procedures in ASE 15.0.

Database creation

Allows you to create simple Adaptive Server Enterprise, Adaptive Server Anywhere, or Sybase IQ databases for use in Sybase WorkSpace application development.

Database server administration

Provides an external tool command in the GUI to start database servers.

Developer productivity enhancements

- *SQL Results View* – Adds new display options, including text/grid and single/multiple displays, user-defined delimiters, and an execution history filter.
- *Referenced Tables View and Table Data Editor* – Enables the viewing and editing of tables while debugging.
- *Temporary Tables* – Enables creation of the ASE nonsharable temporary tables referenced in procedural objects.
- *Connection-Level Options* – Enables the changing of database option values for launching procedural objects.

- *Tabbing support in creation wizards*– Facilitates navigating table cells with the TAB key while creating new resources.

Real-time Messaging Services	Provides support for Real Time Messaging Services (RTMS) and XML functions, enabling conversion between SQL results or statements and XML documents that can be used in messages. You can capture transactions in an Adaptive Server Enterprise database and deliver them as messages to external applications through a Java Message Service message bus.
Replication Server 12.6 and 15.0	Supports the latest version of the Sybase Replication Server®. Enables data replication and maintenance across multiple Adaptive Server Enterprise databases while ensuring integrity and consistency. You can create and manage replication definitions for databases, tables, and functions, and manage database subscriptions for the data replicated from primary databases.
Sybase® IQ 12.5 and 12.6	Enables a SQL portability check for Sybase® IQ.

Enterprise Modeling

PowerDesigner® 12.0 provides a powerful, feature-rich modeling component:

Business Process modeling	Provides support for Business Process Modeling Notation (BPMN) and better linking with Data Models.
Data modeling	Provides enhanced report generating, the latest RDBMS support including ASE 15.0 and additional features, such as ERwin and Embarcadero.
Meta-data mapping	Includes a new graphical mapping editor for all modeling types, including Information Liquidity Modeling.
Object modeling	Enables UML and Object-oriented modeling.
UML 2.0 support	Provides support for composite diagrams with additional diagram enhancements.
Visual Studio .NET 2005	Provides better integration with Visual Studio.

Mobile Development

This component uses the Unwired Accelerator 7.0 server to deliver the following new capabilities and features:

Developer productivity enhancements	Provides the following new editors and views in the Mobile Development perspective: • *Catalog editor* • *Composite Application editor* • *Page editor* • *Page Group editor* • *M-Business view* • *Personalization view* • *Users/Roles view*
SAP support	Supports data flowing from an SAP system.

Service Development

A new, expanded platform continues to support rapid application development in a service-oriented architecture. It includes the following new capabilities and features:

Adaptive Server Enterprise 15.0	Supports the latest version of the Sybase database to handle medium to large data stores.
Business Process service	Includes a new tutorial to instruct users in enhanced logging, Message service context, correlation sets, and compensation and exception handling.
EAServer 5.3	Supports the latest version of the Sybase application server.
Java Message Service	Supports connection to existing Java Message Service (JMS) providers that exist outside WorkSpace.
Java transformation Tester	Enables testing of transformations using an Xform editor.
Random containers	Support for random containers when defining messages for custom wire formats.

Referential integrity	Refactors all referenced files when you rename, copy and paste, move or delete WorkSpace project resources.

Process Orchestration

BPEL Export	Enables exporting of a business process service as BPEL and its associated WSDL, thus preserving user investigation in a non-proprietary format.
Enhanced logging	Provides centralized and improved logging through the Log view in the new Profiling and Logging perspective, which consumes and displays an Unwired Orchestrator log file.

Web Application Development

This powerful new component utilizes the JavaServer™ Faces (JSF) framework to enable the development, testing, debugging, and deployment of a Web application on a runtime server.

The component supports the building of JavaServer Pages (JSP) for JSF and HTML applications, enabling both visual and code-oriented development. Additionally, it provides an integrated environment for incorporating DataWindow® technology and building Web applications that interface with public SOAP service invocations.

The SybStore end-to-end tutorials are updated to include lessons on the Web Application Development features. And the component tutorials highlight features for developing web applications.

Automatic code generation	Available for artifacts that invoke public SOAP services in a Web page and for JavaServer Page layouts that are based on managed beans.
Data Binding view	Enables value and method binding to user interface components.
JSF Application Configuration editor	Enables creating and editing of JavaServer Faces (JSF) application configuration files. It provides the following additional features: • Graphical editor to facilitate the linking of Web pages.

	• Form-based editor to easily define and edit the parameters of the *faces-config.xml* file. • Source editor to view the code base of the *faces-config.xml* file.
Multi-tab properties view	Enables defining and editing Web page control properties and attributes.
Object creation wizards	Provide a complete set of wizards to facilitate the creation of Web pages and their components.
Resource Bundle editor	Enables resource bundle message file creation and editing.
Reuse of DataWindow libraries	Enable importing of existing DataWindow libraries into Sybase WorkSpace.
Testing and debugging tools	Enable Web page validation throughout the development life-cycle.
Troubleshooting tools	Assist in troubleshooting design and development problems. These include: • Problems view to identify if the Java source code in a JSP page has compilation errors. • Error markers on the Source page to identify the cause and solution for an error. A simple mouse-over the error marker displays the problem cause, and double-clicking the error marker displays possible resolutions. • Error logs to identify design time errors.
Web application development	Supports Web application development based on: • DataWindows • EJB managed beans • Java managed beans • Service managed beans
Web page editor	Supports both graphical and code-based design and editing with a design canvas in the upper half of the editor and a source view in the lower half. The Web Page editor allows you to: • Maximize the design canvas pane nd source pane using the resize icons on the main tool bar. • Enter and edit text directly on the design canvas. • Resize JSF HTML controls on the design canvas. • Manipulate all objects on the design canvas.

- Undo and redo all commands entered in the Web Page editor using the Edit menu in the main menu bar.
- Add CSS styles to any object by a simple right-click on the object.
- Drag and drop controls from a Palette directly onto the Web Page editor.
- Drag and drop properties and methods from the Data Bindings view onto the Web Page editor to automatically generate a JSP layout and bind business logic to controls.

XML editor

Enables *web.xml* file creation and editing for web page development.