

Unisys Agile Business Suite

Agile Business Suite Developer 2.0

Product Information Sheet



Unisys Agile Business Suite is a model-driven development toolset that enables IT organizations to rapidly build, deploy, run and maintain business-critical applications that respond to changing business requirements. You can use Agile Business Suite Developer to define and maintain complete solutions or services that can interact with other applications. Generated applications can run in Microsoft .NET, Java Enterprise Edition or Unisys ClearPath MCP operating environments.

Product Overview

Agile Business Suite Developer is a powerful tool that enables developers to work collaboratively with business users to create transaction-oriented solutions. Built as a package within Microsoft Visual Studio 2008, Agile Business Suite Developer leverages the strengths of this industry-popular development tool. It adds model-driven techniques along with the ability to generate a complete software solution for multiple deployment environments. Agile Business Suite Developer offers flexibility and built-in traceability that ensures high-quality deployed solutions.

Product Highlights

Agile Business Suite Developer 2.0 includes components that

- Can build complete applications or unique services defined in a platform-independent model
- Use industry-standard tools and technologies
- Enable developers to specify business actions in business terms using a powerful scripting language
- Generate all solution elements—online transactions, reports, database schema and numerous end-user interface options from a single model

- Can be configured for large multiuser development groups
- Interact through a SQL Server 2008-based repository that stores information about all aspects of the solution

Key Product Components

The key product components are the System Modeler, version control, Debugger, Builder, Automated Test Tool and client generators.

System Modeler

With System Modeler, developers can work within a sophisticated development environment to

- Create scalable, platform-independent applications using well-known, object-oriented concepts
- Work side-by-side with end users to define application functionality in business terms
- Graphically define the elements (objects) of an application and their relationships using a Unified Modeling Language class diagram and make changes to the diagram that are automatically incorporated into the model
- Design end-user screen presentations that can then be generated to a number of different formats including ASP .NET Web forms, graphical forms or independent Visual Basic .NET client applications

- Exchange information with other application development tools using standard XMI formats

Version Control

Agile Business Suite Developer offers flexibility in the area of configuration management as well. You can choose to use either Borland StarTeam 2008, which is packaged with Developer, or a third-party configuration management tool that supports the SCC application programming interface. With StarTeam, you can specify which types of elements are versioned. From System Modeler, developers can check-in and check-out these elements, maintain multiple versions and group them for release by label. Agile Business Suite Developer also includes utilities to compare different versions of an application and report on the differences.

Debugger

Using the debugging capabilities of Visual Studio 2008, Agile Business Suite Developer enables you to perform unit and functional testing without having to generate the complete application. Moreover with the Debugger, you can emulate the characteristics of the targeted deployment platform, whether that is Microsoft .NET, Java EE or MCP. Key capabilities include:

- Setting breakpoints
- Setting and changing data values
- Watching the code as it is interpretively executed
- Editing the logic and continuing debugging
- Emulating the MCP data sequencing order and accessing DMS II databases remotely
- Accessing external components

Builder

As the engine in Agile Business Suite Developer, you use Builder to generate and deploy a solution or individual services from the defined model. With Builder, you can define multiple configuration sets that identify a target

deployment platform and a specific location for the deployed solution elements. Once you define the configuration sets, you can store them for reuse or modify them as needed. You can generate and deploy solutions in one step, or you can generate them and then deploy them at a later time. After you have generated a solution the first time, Builder analyzes the changes and then generates only what is required to implement them. The generated solution is automatically optimized for the target platform environment.

Automated Test Tool

For many IT organizations, testing is the most costly and least favorite development activity. With the Automated Test Tool, developers can

- Capture test steps for later replay
- Compare results from different test sessions
- Modify test steps using an easy-to-use graphical interface

With the Automated Test Tool, you can be sure that a high-quality solution is deployed each time changes are made.

Client Generators

Agile Business Suite Developer includes client generators that produce sophisticated end-user interfaces designed using the graphical screen painter. It also includes Web Services generators that provide all the necessary interface files to support a Service-Oriented Architecture environment. Agile Business Suite Developer 2.0 can generate

- Presentation client forms (graphical forms that you can download to desktops as a client application or that you can display in a browser)
- ASP pages
- ASP .NET Web forms
- Visual Basic .NET clients
- ASP .NET Web Services
- Web Services

Hardware Requirements

Single Workstation Configuration (Minimum)

- 2 x Intel Pentium IV 2.0 GHz processor
- 2 GB RAM or more
- 2 GB disk space

Note: Additional disk space, on the order of 10 GB or more, is required for Agile Business Suite prerequisite software (for example, Visual Studio 2008, SQL Server 2008, and Borland StarTeam 2008). Check the prerequisite software documentation for disk space requirements and recommendations.

Multuser Server Configuration (Minimum)

Because it controls all interactions with the SQL Server-based development repository, the Agile Business Suite Developer Server must be a powerful machine in a multiuser environment.

- Intel Pentium IV 2.0 GHz processor
- 2 GB RAM or more
- 2 GB disk space

Note: Additional disk space, on the order of 10 GB or more, is required for Agile Business Suite prerequisite software (for example, Visual Studio 2008, SQL Server 2008, and Borland StarTeam 2008). Check the prerequisite software documentation for disk space requirements and recommendations.

Software Requirements

Developer

- Microsoft Visual Studio 2008 Professional with SP1
- SQL Server 2008 Express or higher
- Windows Vista with SP1, Windows XP with SP3, Windows 2003 Server with SP2, or Windows 2008

Client Tools

- Visual Studio 2008 (for customization)
- Java clients (Presentation Client) require
 - Java Runtime Environment version 1.4.2 or higher
 - Java Software Development Kit version 1.4.2 or higher
- .NET clients (ASP .NET Web Forms, ASP .NET Web Services and Visual Basic .NET client) require
 - .NET Framework 2.0 or higher
 - Generated ASP .NET Web Forms and ASP .NET Web Services require IIS 6 on Windows 2003 or IIS 7 on Windows Server 2008
 - Generated ASP .NET Web forms require Internet Explorer version 6 or higher

Optional Software Compatibility

- Unisys Enterprise Output Manager 7R1
- Agile Business Suite Generator Customization Kit 2.0
- Rational Rose 2003 or Telelogic Tau 2.6 or Rational Software Modeler 6.0
- For version control, your choice of any SCC-compatible, source-control tool. Borland StarTeam 2008 is included with Agile Business Suite Developer.

Note: Please consult the readme file included with each Agile Business Suite product for any additional configuration requirements.

Summary

Agile Business Suite Developer is an industry-leading, model-driven development software product that leverages industry-popular tools and industry-standard technologies to provide maximum business agility. With Agile Business Suite Developer, IT organizations can provide both flexibility and long-term investment protection.

For more information, contact your Unisys representative.

Or call Unisys today at: 1-800-874-8647, extension 840 (U.S. and Canada)
00-1-585-742-6780, extension 840 (Other countries)

If you're in a hurry to learn more, visit our Website at: <http://www.unisys.com/AgileBusinessSuite>

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