

Baan Enterprise Solutions

OpenWorld Deployment guide

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About this document

This guide describes how to deploy the Baan Enterprise Solutions suite in your environment. This document provides a high-level view of the steps you must take to deploy the Baan Enterprise Solutions Suite.

This document applies to Service Pack 4 or higher of BaanERP. This Service Pack introduces the new DA package which provides netchange functionality.

For detailed information about installing and configuring individual components you are referred to the appropriate installation and configuration guides.

This guide contains the following chapters:

Chapter 1, "Deployment checklist," describes the high-level checks you must perform and some of the decisions you must make when deploying the Baan Enterprise Solutions suite.

Chapters 2, "BaanSCS-BaanERP integration," describes the main installation and configuration steps involved in setting up the BaanSCS-BaanERP integration.

These chapters refer to the documentation you must refer to when performing these steps. A list of all the required documentation is printed on the following page.

Appendix A, "Baan OpenWorld and BaanEAI," describes the differences between Baan OpenWorld and its predecessor (BaanEAI).

Appendix B, "Integration between BaanFOS and BaanERP," presents a quick summary of the integration between BaanFOS and BaanERP.

Appendix C, "Integration between BaanSCS and BaanERP," presents a quick summary of the integration between BaanSCS and BaanERP.

Required documentation

The following table lists the books you need to properly install and configure the Baan OpenWorld components. The table also indicates which documents are required for either the BaanFOS-BaanERP integration or the BaanSCS-BaanERP integration.

We recommended that you print and review these documents prior to the installation process.

| Installation and configuration guides | | | |
|--|--------------------|----------------|----------------|
| Title | Document ID | FOS-ERP | SCS-ERP |
| <i>Baan OpenWorld Adapter Installation and Configuration Guide</i> | (3) U7304D US | X | X |
| <i>Baan OpenWorld Adapter for BaanERP Installation and Configuration Guide</i> | (4) U7305E US | X | X |
| <i>Baan Openworld Domains for BaanERP Installation Guide</i> | U7334B US | X | X |
| <i>BaanConnector 5 Implementer's Guide</i> | (1) | X | |
| <i>Baan OpenWorld Broker Installation Guide</i> | U7358D US | X | |
| <i>BaanSCS Integration Toolkit 2.1 Installation Guide</i> | (2) | | X |

- (1) Document included on the BaanFOS CD-ROMs
- (2) Document included on the BaanSCS CD-ROMs
- (3) Document included on the Baan OpenWorld Adapter 2.0 CD-ROM
- (4) Document included on the Baan OpenWorld Adapter 2.0 for BaanERP CD-ROM

Depending on the type of message transport that you use, the following documents on the Baan OpenWorld Adapter 2.0 CD-ROM are required:

- *MQSeries for Baan OpenWorld Adapter Configuration Guide (U7307B US)*
- *MSMQ for Baan OpenWorld Adapter Configuration Guide (U7308B US)*

Related documentation

For information on background and concepts, refer to the following documents on the Baan OpenWorld Adapter 2.0 CD-ROM:

- *Baan OpenWorld Positioning White Paper (P3090B US).*
- *Baan OpenWorld Adapter Conceptual White Paper (D1021B US).*
- *Baan OpenWorld BOI Whitepaper (P3186A US).*

1 Deployment checklist

This chapter describes the high-level checks and decisions you must make to deploy the Baan Enterprise Solution.

Overview

The following are the principal checks and decisions you must make:

- Make sure that the enterprise applications are deployed.
- Identify the Baan OpenWorld components required to integrate these applications.
- Make sure that you printed the required installation and configuration documents.
- Check and record the operating system, network, and hardware characteristics of all servers and clients in the Baan OpenWorld environment.
- Identify the prerequisites for each client and server in the environment.

Enterprise applications

Any or all of the following Baan Enterprise Solutions applications can be included in your integration environment:

- BaanERP 5.0c SP4 or later.
- BaanFOS 98.4 SP2 or later
- BaanSCS Planner 2.0 or later.
- BaanSCS Scheduler 6.3 or later.
- BaanSCS Order Promising Server 2.0 or later.

Baan OpenWorld components

Some or all of the following Baan OpenWorld components will be included in your configuration:

- Baan OpenWorld Domains for BaanERP 1.1.
- Baan OpenWorld Adapter 2.0.
- Baan OpenWorld Adapter 2.0 for BaanERP.
- BaanSCS Integration Toolkit 2.1.
- BaanConnector 5.0.

Baan OpenWorld Domains and Baan OpenWorld 2.0 Adapter for BaanERP

The Baan OpenWorld Adapter 2.0 for BaanERP must be installed on the BaanERP server. In addition, the Baan OpenWorld Domains 1.1 and BaanOpenWorld Adapter 2.0 must be installed for each Baan Enterprise Solutions server application that acts as a client or server in your configuration.

BaanSCS Integration Toolkit (ITK)

The BaanSCS server applications need the BaanSCS Integration Toolkit 2.1 to interact with other enterprise applications. BaanSCS Integration Toolkit 2.1 can either be installed on the same machine the BaanSCS server applications or on a separate machine. In this version of the software, BaanSCS interacts with BaanERP only.

Hardware/operating system checklist

Before deploying your Baan OpenWorld environment, make a list of each server and client machine in your configuration. In this list, make sure that you register the following data:

- Host name.
- Operating system.

Network connection characteristics (for example, LAN, WAN, remote access using modem connection).

2 BaanSCS–BaanERP integration

This chapter outlines the main steps involved in integrating BaanSCS with BaanERP. The following BaanSCS components are covered:

- BaanSCS Planner 2.0 or later.
- BaanSCS Scheduler 6.3 or later.
- BaanSCS Order Promising Server 2.0 or later.

For more information on the integration between BaanSCS and BaanERP, refer to the specific installation and configuration guides.

Prerequisites

Collect and read the relevant installation and configuration guides to identify all the prerequisites for the installation.

To install BaanSCS ITK and OpenWorld Adapter, the following hardware and software is required for the server and for each client system:

- Hardware platform: an Intel Pentium processor.
- Operating system: Microsoft Windows NT version 4.0, with Service Pack 5 or later.
- Web browser: Internet Explorer (version 5.0 or later).
- Java Virtual Machine (version 5.00.3165 or later).
- Database Server: Microsoft SQL Server 7.0.

NOTE This is a list of minimum requirements. Refer to the specific installation guides for a comprehensive list of hardware and software requirements.

NOTE If the SQL Server is not started by an NT domain user, the installation process can fail because an NT domain user does not have authorization to access a temporary share that is created on the installation machine and to import the database.

Procedure overview

The main steps involved in installing and configuring the BaanSCS – BaanERP integration are as follows:

- 1 Make sure that BaanERP is installed.
- 2 Make sure that BaanSCS applications are installed.
- 3 Install OpenWorld Adapter for BaanERP.
- 4 Install OpenWorld Adapter.
- 5 Install OpenWorld Domains.
- 6 Install BaanSCS ITK 2.1.

Each of these steps is described separately in the following sections.

Step 1: Make sure that BaanERP is installed

Make sure that BaanERP 5.0c and SP4 are installed.

Install Baan Windows (the BaanERP client program, version 7.1b.132 or later) on the machine on which the integration server will run.

Step 2: Make sure that BaanSCS applications are installed

Make sure that you have properly installed the BaanSCS applications (refer to the appropriate installation guides for BaanSCS).

You can integrate one or many of the following BaanSCS applications:

- BaanSCS Planner 2.0 or later.
- BaanSCS Scheduler 6.3 or later.
- BaanSCS Order Promising Server 2.0 or later.

Step 3: Install Baan OpenWorld Adapter for BaanERP

Install Baan OpenWorld Adapter for BaanERP on the BaanERP server.

For more information on the installation, refer to the following document:

- *Baan OpenWorld Adapter for BaanERP Installation and Configuration Guide* (U7305E US).

Step 4: Install Baan OpenWorld Adapter

Install Baan OpenWorld Adapter on the machine that hosts the ITK server.

NOTE

If you install BaanERP 5.0c, the installation program automatically installs OpenWorld Adapter on the BaanERP server.

For more information on the installation, refer to the following document:

- *Baan OpenWorld Adapter Installation and Configuration Guide* (U7304D US).

Step 5: Install Baan OpenWorld Domains

Install Baan OpenWorld Domains on the machine that hosts the ITK server.

NOTE

The OpenWorld Domains installation program offers you the choice to install COM DLLs, Java Classes, or both. For the BaanSCS – BaanERP integration, you must install the COM DLLs. If you use the online ATP, the Java Classes are also required.

For more information on the installation, refer to the following document:

- *Baan OpenWorld Domains Installation Guide* (U7334B US).

Step 6: Install BaanSCS ITK 2.1

If BaanSCS is included in your Baan OpenWorld environment and you want to exchange data between BaanERP and BaanSCS, you must install the BaanSCS Integration Toolkit 2.1. You can either install ITK on the same machine as the SCS server applications or on a separate machine.

For more information on the installation, refer to the following documents:

- *BaanSCS Integration Toolkit 2.1 Installation Guide* .
- *BaanSCS Integration Toolkit User Guide*.

Appendix A Baan OpenWorld and BaanEAI

The Baan OpenWorld concept is an extension of the Baan Enterprise Application Integration (BaanEAI) concept. This chapter describes how the BaanEAI components are mapped onto the components of the Baan OpenWorld Integration Framework, and are linked together to integrate the Baan Enterprise Solutions.

BaanEAI components

This is the list of the former BaanEAI components:

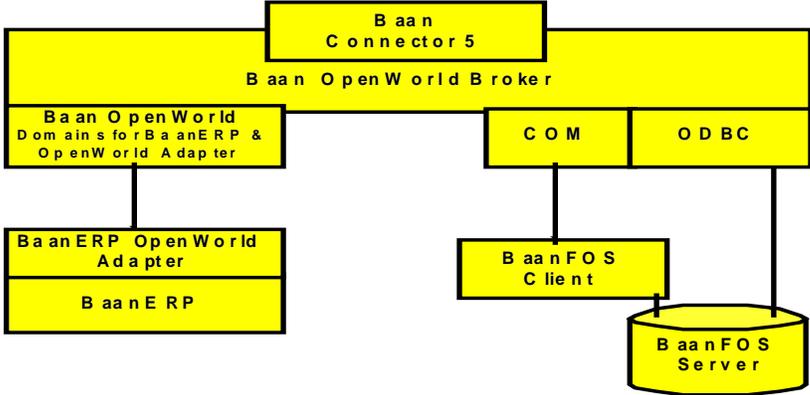
- BaanEAI BOI Pack 1.0.
- BaanEAI Enterprise Connector 1.0.
- Baan OpenWorld Integration Server 1.0.
- BaanSCS Integration Toolkit 2.0 (ITK).
- BaanConnector 5.0.

These components are mapped as follows onto the OpenWorld Integration Framework components:

| BaanEAI | Baan OpenWorld |
|--|--|
| BaanEAI BOI Pack 1.0 BaanEAI Enterprise Connector 1.0 | Baan OpenWorld Domains for BaanERP 1.1 Baan OpenWorld Adapter 2.0 |
| Baan OpenWorld Integration Server 1.0 BaanSCS Integration Toolkit 2.0 (ITK) | Baan OpenWorld Broker 1.0 BaanSCS Integration Toolkit 2.1 (ITK) |
| BaanConnector 5.0 | BaanConnector 5.0 |

Appendix B Integration between BaanFOS and BaanERP

The following figure illustrates the integration between BaanFOS and BaanERP:



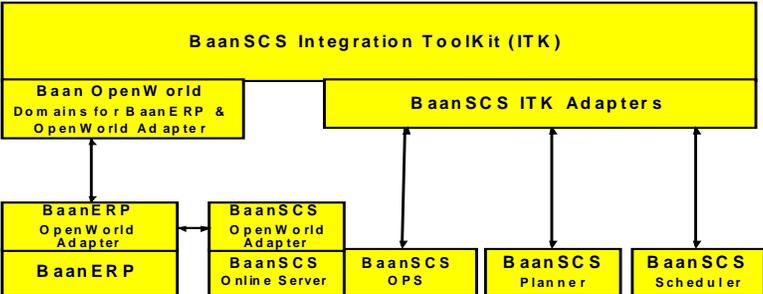
For the integration between BaanFOS and BaanERP, Baan OpenWorld Broker plays the role of transformation and synchronization service.

Baan OpenWorld Broker is equipped with COM- and ODBC-connectors to gain access to BaanFOS. As such, they fulfill the role of OpenWorld Adapter for BaanFOS. The BaanFOS client-side objects play the role of Baan OpenWorld Domains for BaanFOS. The Baan Openworld Domains for BaanERP together with the Baan OpenWorld Adapters, provide access to BaanERP.

The BaanConnector 5 contains the integration scripts and accompanying types that describe the synchronization between BaanFOS and BaanERP and vice versa. During installation of the BaanConnector 5, the ODBC data-sources required to access the BaanFOS Server database will be created. Baan OpenWorld Broker executes the scripts provided by BaanConnector 5 to actually synchronize data between these components.

Appendix C Integration between BaanSCS and BaanERP

The following figure illustrates the integration between BaanSCS and BaanERP:



For the integration between BaanSCS and BaanERP, the BaanSCS Integration Toolkit 2.1 (ITK) plays the role of transformation and synchronization service.

The BaanSCS ITK Adapters play the role of OpenWorld Adapter by providing the direct link to the BaanSCS applications. The Baan OpenWorld Domains for BaanERP together with the Baan OpenWorld Adapters, provide access to BaanERP.

The installation of the BaanSCS Integration Toolkit 2.1 contains the ITK adapters that are used to access to the Baan OpenWorld Domains (and the OpenWorld Adapter), and to open BaanSCS Planner, BaanSCS Scheduler, and BaanSCS Order Promising (OP). The BaanSCS Integration Toolkit 2.1 also contains the integration scripts (also known as profiles) that describe the interaction between BaanSCS and BaanERP, as well as the run-time engine that executes these profiles.

