

CollabraSuite BEA Edition®

Installation Guide

Version 5.1

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Introduction

CollabraSuite BEA Edition software offers a metaphorical representation of a physical workplace. The virtual environment is made up of rooms, which can be arranged into a virtual floor of unlimited rooms, thus allowing for the grouping of like rooms by functionality or other common means. The floors can then be arranged within a virtual building, and numerous buildings can be grouped to create a virtual campus. Within this campus and its encompassing buildings, floors, and rooms, users can communicate seamlessly. CollabraSuite BEA Edition provides a means of hosting private meetings, group communications, or seminar style conferences for an entire enterprise.

When a user logs into the CollabraSuite BEA Edition system, they are entering a virtual room where they can meet other users, chat with users and share documents. Not only can users collaborate with others in their current room, but presence awareness capabilities enable them to see users working in other virtual rooms. Users can instantly join other users in any room by simply clicking a button. As users move around the collaborative environment, they can bring their virtual briefcase with them—a portable repository filled with documents that only they can see. Documents in a user's briefcase can easily be shared with other users by dropping a document into a room filecabinet. In addition to storing private documents in a user's briefcase, CollabraSuite BEA Edition provides the ability to store public documents in virtual file cabinets. These documents can then be viewed by users within the room the file cabinet is located.

The metaphorical representation of a physical workspace provided by CollabraSuite BEA Edition software also offers security aspects of the physical environment. Strong security features make it possible to permit or deny access to all areas of the collaborative environment and its contents. Individual rooms can be locked with Access Control Lists (ACLs). Read and write ACLs control access to documents stored in rooms as well. The CollabraSuite BEA Edition environment

Introduction

provides the flexibility and the security of the physical work environment, all while having the freedom to connect users in any location.

CollabraSuite BEA Edition is developed completely in Java utilizing the Java 2 Enterprise Edition (J2EE) application model, making it deployable to multiple J2EE servers, existing applications or system frameworks such as portals or other suite products as a complementary technology. CollabraSuite BEA Edition components can be deployed using a flexible HTTP-style interface or by using the CollabraSuite BEA Edition custom tag library.

This version of CollabraSuite BEA Edition is specifically designed for deployment to a BEA WebLogic Server®. However the media does contain all of the necessary software and scripts to deploy to other application servers. CollabraSpace recommends that you deploy CollabraSuite BEA Edition in a development domain prior to performing a deployment into an existing production environment.

The rest of this document will guide you through the process of installing the CollabraSuite BEA Edition software. If you are upgrading an existing installation of CollabraSuite BEA Edition, see the appendix Upgrading CollabraSuite. It is assumed that the installer has some familiarity with J2EE applications and the BEA Weblogic application server.

For additional assistance and information visit us at www.collabraspace.com

Prerequisites

The following prerequisites must be satisfied before installing CollabraSuite BEA Edition. Please refer to the Supported Configurations Guide for supported versions of WebLogic and database systems.

- Install WebLogic Server, WebLogic SIP Server, or WebLogic Platform.
- Install a database accessible by the WebLogic server machine.
- Create a database user for CollabraSuite BEA Edition that has permissions to connect to the database and create tables and indexes.
- Install AquaLogic User Interaction (ALUI), if CollabraSuite BEA Edition is to be integrated into an ALUI environment.



Installing CollabraSuite BEA Edition

The CollabraSuite BEA Edition software installs as a component inside of the WebLogic install directory.

Install CollabraSuite BEA Edition

Begin by running the installer. If upgrading from a previous version of CollabraSuite, first uninstall the previous version before installing the new verion of CollabraSuite. The installer should start automatically when the installation CD is placed in a Windows machine. If the installer does not launch or you are running on a different platform, the installer can be started manually:

- For Windows, run installer\WebLogic\CollabraSuite-511-windows.exe.
- For Solaris, run installer/WebLogic/CollabraSuite-511-solaris.bin.
- For Linux, run installer/WebLogic/CollabraSuite-511-linux.bin.

Note: On Linux and Solaris, the installer can also be run in text mode by appending -i console to the command line parameters.

1. Launch the installer and click **Next** on the Introduction Page.

Figure 2-1 Introduction

🖳 CollabraSuite BEA Edition	
the 1	Introduction
	You are about to install CollabraSuite BEA Edition.
and the second s	This installation requires that WebLogic Server or WebLogic Platform be installed on your machine. Please make sure this software is installed before you continue.
	It is strongly recommended that you quit all programs before continuing with this installation.
«be ar	
InstallAnywhere by Macrovision - Cancel	Previous Next

2. Read and accept the terms of the license agreement and click Next.

Figure 2-2 License Agreement

🖫 CollabraSuite BEA Edition	
4	License Agreement
X	Installation and Use of CollabraSuite BEA Edition Requires Acceptance of the Following License Agreement:
	BEA SYSTEMS, INC. SOFTWARE LICENSE AGREEMENT
	USE OF SOFTWARE ORDERED FROM BEA SYSTEMS, INC. ("BEA") IS PROVIDED ONLY UNDER LICENSE FROM BEA. PLEASE READ THE FOLLOWING LICENSE CAREFULLY AND INDICATE YOUR ACCEPTANCE BY CLICKING THE ACCEPTANCE BOX. CERTAIN CAPITALIZED TERMS ARE DEFINED IN SECTION 11. 1. LICENSE TERMS
(be ar	a. Evaluation Use. The terms of this Section
InstallAnywhere by Macrovision - Cancel	Previous Next

3. Choose the BEA home directory and click **Next**. For example: C:\bea or /opt/bea.

Figure 2-3 Locate BEA Home

🖫 CollabraSuite BEA Edition	
the state	Locate BEA Home Directory
0-0-	Locate the BEA home directory of your WebLogic Server or WebLogic Platform installation (i.e. C:\bea or /opt/bea). CollabraSuite BEA Edition components will be installed in the weblogic directory.
	Enter the BEA home directory name or click 'Choose'
	Restore Default Folder Choose
C bear	
InstallAnywhere by Macrovision - Cancel	Previous Next

4. Review the pre-installation summary and click Install.

Figure 2-4 Pre-Install Summary

🖫 CollabraSuite BEA Edition	
the state	Pre-Installation Summary
	Please Review the Following Before Continuing:
1 and 1	Product Name: CollabraSuite BEA Edition 5.1
4	Install Folder: C:\bea
	Disk Space Information (for Installation Target): Required: 73,571,112 bytes Available: 29,770,186,752 bytes
¢be a	
InstallAnywhere by Macrovision · Cancel	Previous

5. At this point the CollabraSuite BEA Edition software has been successfully installed in the WebLogic home directory. Click **Done** to exit the installer.

Figure 2-5 Install Complete

🖫 CollabraSuite BEA Edition	
to 1	Install Complete
1	Congratulations! CollabraSuite BEA Edition has been successfully installed to:
4	Press "Done" to quit the installer.
bea r	
InstallAnywhere by Macrovision – Cancel	Previous Done

Uninstalling CollabraSuite BEA Edition

Uninstalling CollabraSuite BEA Edition removes the software from the WebLogic installation directory. It does not affect any WebLogic domains containing CollabraSuite BEA Edition. Uninstalling CollabraSuite BEA Edition can be accomplished by running the following scripts:

- For Windows, run WL_HOME\collabrasuite-511\uninstall\Uninstall CollabraSuite 511.exe.
- For Solaris, run WL_HOME/collabrasuite.511\uninstall\Uninstall CollabraSuite 511
- For Linux, run WL_HOME/collabrasuite.511\uninstall\Uninstall CollabraSuite 511

Note: On Linux and Solaris, the uninstaller can also be run in text mode by appending -i console to the command line parameters.

1. Launch the uninstaller and click **Uninstall** on the Confirmation Page.

Figure 2-6 Uninstall



2. The software will be uninstalled.

Installing CollabraSuite BEA Edition



Configuring CollabraSuite BEA Edition

Create the Domain

While CollabraSuite BEA Edition may be successfully deployed into any type of WebLogic domain, a portal domain is required if CollabraSuite BEA Edition is to be deployed inside a WebLogic Portal. If a WebLogic domain has not yet been created at your site, use the WebLogic Configuration Wizard to create one.

In this document, the directory where WebLogic is installed will be referred to as WL_HOME. For example, WL_HOME=C:\bea\weblogic81

The WebLogic domain directory will be referred to as DOMAIN_HOME. For example, DOMAIN_HOME=C:\bea\user_projects\domains\portalDomain

WebLogic 8.1

For WebLogic 8.1, domains must first be created and later extended with CollabraSuite BEA Edition. Consult BEA's website for directions on Creating a New WebLogic 8.1 Domain. (http://edocs.bea.com/platform/docs81/confgwiz/newdom.html).

WebLogic 9

In WebLogic 9, CollabraSuite BEA Edition can be installed into a domain at creation time, or added later by extending the domain. Refer to the section **Extend WebLogic 9/10 Domain** below for instructions on configuring CollabraSuite BEA Edition when creating or extending the domain.

WebLogic 10

In WebLogic 10, CollabraSuite BEA Edition can be installed into a domain at creation time, or added later by extending the domain. Refer to the section **Extend WebLogic 9/10 Domain** below for instructions on configuring CollabraSuite BEA Edition when creating or extending the domain.

WebLogic SIP Server 3.0

In WebLogic SIP Server 3.0, CollabraSuite BEA Edition can be installed into a domain at creation time, or added later by extending the domain. Refer to the section **Extend WebLogic SIP Server Domain** below for instructions on configuring CollabraSuite BEA Edition when creating or extending the domain.

Consult BEA's website for directions on Creating a New WebLogic SIP Server Domain. (http://edocs.bea.com/wlcp/wlss30/install/quickstart.html#wp1089865)

Extend the Domain

CollabraSuite BEA Edition is installed into a WebLogic server instance by adding the appropriate configuration to the server's domain. This domain configuration is automated using an extension template containing the CollabraSuite BEA Edition software. The template can also be used to create the necessary database tables for CollabraSuite BEA Edition. If you're upgrading an existing installation of CollabraSuite BEA Edition, refer to the **Upgrading CollabraSuite** appendix.

Be sure to shut down WebLogic and backup your entire domain directory before applying the extension template to an existing domain. The Configuration Wizard will overwrite all scripts in the domain, removing any local modifications. One strategy for updating an existing domain with local customizations is to first make a copy of the domain. You can then apply the extension template to the copy. When finished with the template, copy the config.xml and the CollabraSuite.ear file back into the original domain. This will allow you to update a domain with CollabraSuite BEA Edition while preserving any local modifications.

WebLogic 8.1 Domain

The following section describes extending a WebLogic 8.1 domain. If you are using WebLogic 9, skip this section and refer to the next section titled Extend WebLogic 9 Domain.

1. Run the BEA WebLogic Configuration Wizard.

- a. In Windows, you can use the Start menu to run the Configuration Wizard. For other platforms, you can execute the Configuration Wizard script located in the WebLogic installation directory:
 - % cd \$WL_HOME/common/bin
 - % ./config.sh &
- 2. Extend an existing WebLogic configuration.
 - a. Choose Extend an existing WebLogic configuration.
 - b. Click Next.

Figure 3-1 Create or Extend Domain

🝺 BEA WebLogic Configuration Wizard	
Create or Extend a Configuration	2000;
Choose between creating and extending a configuration. Based on your selection, the Configuration Wizard quides you through the steps to generate a new or extend an existing configuration.	i head
	~ 10U
O Oraște a nere Michi a de canfirmation	
Start here to create a WebLogic configuration in your projects directory.	
Extend an existing WebLogic configuration	
Start here to extend an existing WebLogic configuration.	
Use this option to add applications and services, including Database access (JDBC) and Messagir	ng (JMS).
This option also enables you to extend functionality by enabling WebLogic Workshop.	
	Previous Next

- 3. Select the configuration.
 - a. Use the tree to select the top level directory of domain you wish to extend with CollabraSuite BEA Edition functionality.
 - b. Click Next.

Figure 3-2 Choose Configuration Directory

BEA WebLogic Configuration Wizard	
Choose a WebLogic Configuration Directory	
Select the WebLogic configuration you wish to add applications and/or services into.	(hoo
	> Uta
Select a WebLogic configuration directory:	
🖂 🖾 Desktop	
E 😼 My Computer	
🗄 📄 Shared Documents	
🖃 🥪 Local Disk (C:)	
🗄 📄 bea	
🖃 🧰 bea-8.1.4	
E Components	
🗄 📄 🕀 🛅 jdk142_05	
🗄 📄 jrockit81sp4_142_05	
🗉 🗈 🛅 logs	
🖂 📄 user_projects	
🖃 🧰 domains	
🛨 📴 portalDomain	
🕀 🛅 utils	
🕀 📄 weblogic81	
🗉 🛅 cygwin	
🗉 📄 Documents and Settings	
🗄 📄 🕀 🔁	
🛨 🛅 I386	v
Evit Help	Dravious Next
	FICTIOUS MEXT

- 4. Select the CollabraSuite BEA Edition extension template.
 - a. Check CollabraSuite Extension under Configuration Extensions. Click Next.

Figure 3-3 Select Template

BEA WebLogic Configuration Wizard	
Select a Configuration Extension Template Select an extension template if you wish to add its applications and	d services to the existing WebLogic configuration.
Configuration Extensions Configuration Extensions CollabraSpace CollabraSuite 5.1 Extension CollabraSuite 5.1 Portlets for ALUI BEA DefaultWebApp WebLogic Integration Extension WebLogic Vortal Extension WebLogic Workshop Extension	Description Extends an existing WebLogic Server domain to add or update CollabraSuite functionality. Use this template to deploy CollabraSuite 5.1 into an existing domain. Author CollabraSers Inc.
Template Locations Current View: C:\bea-8.1.5\weblogic81\common\templates\a	pplications
	Previous Next

- 5. Define JDBC Components.
 - a. Click Yes when asked to define JDBC components.

- b. Click Next.
- **Note:** If using Pointbase, see the **Special PointBase Instructions for WebLogic 8.1**. If using MySQL, see the **Special MySQL Instructions**.

Figure 3-4 Database Options

BEA WebLogic Configuration Wizard	_ 🗆 ×	
Database (JDBC) Options	· · · · ·	
Configuration of Database components is optional.	bea	
Do you want to define JDBC components, such as Connection Pools, Data Sources, and MultiPools?		
Most WebLogic applications require database access. The wizard will let you specify attributes and properties for JDE components; these will then be available to deploy to servers and clusters. You can:	BC	
 Create or modify Connection Pools and/or MultiPools Create or modify Data Sources Specify how Data Sources are bound to Connection Pools or MultiPools 		
If you want to skip this section, select "No" and click "Next". The wizard uses settings for your database configuratio that are identical to the settings in the configuration source that you selected earlier.	n	
If you want to customize these settings, select "Yes" and click "Next" to go through the configuration setup.		
⊖ No		
Exit Help Previous	Next	

- c. The template provides example CollabraSuite BEA Edition JDBC connection pools for Pointbase, Oracle, Sybase, MS SQL Server and MySQL. Choose the CollabraSuite BEA Edition connection pool for the database you will be using and delete the remaining CollabraSuite BEA Edition pools (those beginning with csuite).
 - **Note:** If they exist, cgPool, cgJMSPool-nonXA and the portalPool should not be deleted.

- d. Fill in the correct values for **DBMS name**, **DBMS host**, **User name** and **User password**. **Supports Local Transactions** should not be checked.
- e. Click Next.

Figure 3-5 Connection Pools

BEA WebLogic Configuration	1 Wizard	_ _ ×
Configure JDBC Connect A JDBC connection pool contains a from the connection pool, uses it,	tion Pools group of JDBC connections. Your application borrows a connection then returns it to the connection pool by closing it.	<i>i bea</i>
📴 Add 🗙 Delete 💍 Discar	d Changes	🔛 Switch Display
cgPool cgJMSPc	ol-nonXA portalPool csuiteOraclePool	
*Name:	csuiteOraclePool	
*Vendor:	Oracle	▼
*Driver:	*BEA's Oracle Driver (Type 4) Versions:8.1.7,9.0.1,9.2.0	▼
*Class name:	weblogic.jdbc.oracle.OracleDriver	
*DBMS name:	databasename	
*DBMS host:	databasehost	
*DBMS port:	1521	
*JDBC URL;	jdbc:bea:oracle://databasehost:1521	
*User name:	databaseuser	
*User password:	*****	
*Confirm user password:	*****	
Known properties:	$user = database user; port {\tt Number} = 1521; {\tt SID} = database name; server {\tt Name} = database host$	
	·	
E <u>x</u> it <u>H</u> elp	<u> </u>	revious <u>N</u> ext

Configuring CollabraSuite BEA Edition

- f. Click **Next** to skip the Configure JDBC MultiPools page.
- g. For the csuitePool Data Source, select the csuite Connection Pool from the drop down menu.
- h. Click Next.

Figure 3-6 Data Sources

ebLogic Configuration Wi	izard	
ure JDBC Data Sourd lete configuration information	C es 1 for JDBC data sources.	<i>i be</i> a
d 💥 Delete 💍 Discard Ch	langes	Switch Display
Name*	JNDI name*	Pool name* H
p13n_trackingDataSource	p13n.trackingDataSource	cgJMSPool-nonXA 👻
p13nDataSource	p13n. sequencer DataSource; p13n. dataSyncDataSource; p13n. entitlementsDataSource and p13n. sequencer DataSource and p13n. sequence and	cgJMSPool-nonXA 🔻
cgDataSource	cgDataSource;cgSampleDataSource	cgPool 🗸 🗸
cgDataSource-nonXA	cgDataSource-nonXA;weblogic.jdbc.jts.ebusinessPool	cgJMSPool-nonXA 🔻
portalFrameworkPool	portalFrameworkPool;contentDataSource;weblogic.jdbc.jts.commercePool	portalPool 🗸 🔻
csuitePool	weblogic.jdbc.jts.csuitePool	T
		cgPool cgJMSPool-nonXA portalPool csuiteOraclePool
		csulteoratieroor
	ure JDBC Data Source ete configuration information Name* p13n_trackingDataSource p13nDataSource cgDataSource cgDataSource cgDataSource cgDataSource csuitePool	ure JDBC Data Sources ete configuration information for JDBC data sources. Image: Delete Image: Discard Changes Name* JNDI name* p13n_trackingDataSource p13n.trackingDataSource p13n_trackingDataSource p13n.trackingDataSource p13n_trackingDataSource p13n.sequencerDataSource;p13n.dataSyncDataSource;p13n.entitlementsDataSource cgDataSource cgDataSource;cgSampleDataSource cgDataSource-nonXA cgDataSource-nonXA;weblogic.jdbc;its.ebusinessPool portalFrameworkPool portalFrameworkPool;contentDataSource;weblogic.jdbc;its.commercePool csuitePool weblogic.jdbc;its.csuitePool

- 6. Test JDBC Connection Pools and Settings.
 - a. To test the pool, select the csuite Connection Pool and click **Test Connection**. You should see a successful connection test in the right hand panel.

Figure 3-7 Setup Database

BEA WebLogic Configuration Wizard		
Test JDBC Connection Pools and Setup JDBC Test your JDBC connection pools and set up the database contre your configuration. Be sure to start your database before testi	C Database ent used by applications in ng.	<i>i bea</i>
Available JDBC Connection Pools cgPool cgJMSPool-nonXA portalPool csuiteOraclePool	Results Testing Connection Driver=weblogic.jdbc.oracle.OracleDriver URL=jdbc:bea:oracle://dbhost:1521	
Test Connection	User=csuite Password=******* SQL Test=SELECT 1 FROM DUAL Result=1 Test Successful!	
drop.sql create.sql		
DB Version: Any v Load Database	Log File: C:\BEA-81~1.4\WEBLOG~1\common\lib\jdbc.log	Browse
Exit Help		Previous Next

- 7. Create the CollabraSuite BEA Edition Database Schema
 - a. If the database schema does not already exist, click on Load Database.
 - **Note:** In WebLogic 8.1, all database scripts are run contrary to the BEA documentation. This will result in any existing CollabraSuite BEA Edition tables being dropped and recreated, removing any previous CollabraSuite BEA Edition environment. If

upgrading an existing CollabraSuite BEA Edition environment, please refer to the **Upgrading CollabraSuite** appendix.

b. Click Next.

Figure 3-8 Setup Database

BEA WebLogic Configuration Wizard	
Test JDBC Connection Pools and Setup JDB ⁴ Test your JDBC connection pools and set up the database cont your configuration. Be sure to start your database before test	C Database ent used by applications in ing.
Available JDBC Connection Pools	Results
cgPool cgJMSPool-nonXA portalPool csuiteOraclePool Test Connection Available SQL Files and Database Loading Options drop.sql create.sql	CREATE UNIQUE INDEX CS_SKILL_PK ON CS_SKILL(ID) CREATE UNIQUE INDEX CS_SKILL_PK ON CS_SKILL(ID) CREATE UNIQUE INDEX CS_SKILL_IDX_NAME ON CS_SKILL(CAMPUS_ID, NAME) CREATE TABLE CS_USER (ID NUMBER(20) NOT NULL, CAMPUS_ID NUMBER(20) NULL, CREATE INDEX CS_USER_IDX_LOGIN ON CS_USER(CS_LOGIN) CREATE TABLE CS_USER_SKILL (USER_ID NUMBER(20) NOT NULL, SKILL_ID NUMBER CREATE TABLE CS_ASSOCIATE (ID NUMBER(20) NOT NULL, USER_ID NUMBER(20) NC CREATE TABLE CS_ASSOCIATE (ID NUMBER(20) NOT NULL, USER_ID NUMBER(20) NC CREATE TABLE CS_PRIORITY (ID NUMBER(20) NOT NULL, CAMPUS_ID NUMBER(20) N
DB Version: Any V Load Database	Database Load Successful!
E <u>x</u> it <u>H</u> elp	Previous Next

- 8. Define JMS Components.
 - a. Click **No** when asked to define JMS components. The JMS configuration should not have to be modified.
 - b. Click Next.

Figure 3-9 Messaging Options

🛐 BEA WebLogic Configuration Wizard	_
Messaging (JMS) Options Configuration of Messaging components is optional.	<i>i bea</i>
Do you want to define JMS components, such as Stores, Topics, and Queues?	
The wizard allows you to change JMS attributes, especially those affected by changes to the JDBC configurat can:	ion. You
 Create and/or customize JMS Connection Factories Create JMS Templates Create JMS Destination Keys and assign to JMS Templates Designate Destinations and Persistent Stores Create and/or customize Distributed Destinations Create and/or customize JMS Servers and Target to specific WebLogic Server instances 	
If you want to skip this section, select "No" and click "Next." The wizard uses settings for your JMS configuration are identical to the settings in the configuration source that you selected earlier.	tion that
If you want to customize these settings, select "Yes" and click "Next" to go through the configuration setup	
● No O Yes	
Exit Help	evious <u>N</u> ext

- 9. Target Components to Servers.
 - a. Click **No** when asked to target components to servers. The components will be targeted to the server.
 - b. Click Next.

Figure 3-10 Target Options

🛐 BEA WebLogic Configuration Wizard	
Applications and Services Targeting Options	
Targeting of applications and services to servers or clusters is optional. However, if you added applications or configured services for a distributed environment, you should hardet them to servers or clusters.	<i>i hea</i> l
	~ 10u
Do you want to target servers and clusters onto which Applications, JMS component ser JDBC component services, and other services are deployed?	vices,
You can specify the servers and clusters onto which you want to deploy Applications, Messaging (JMS) compor services, Database (JDBC) component services, and other services (Startup/Shutdown classes, etc.).	nent
If you want to skip this section, select "No" and click "Next." The wizard uses settings for your applications and services targeting that are identical to the settings in the configuration source that you selected earlier.	i
If you want to customize these settings, select "Yes" and click "Next" to go through the configuration setup.	
Exit Help	vious <u>N</u> ext

10. Configure Application Security.

- a. Click **No** when asked to configure the application's security. The correct groups and roles have already been defined.
- b. Click Next.

Figure 3-11 Security Options

BEA WebLogic Configuration Wizard			_ 🗆 ×
Security Configuration Options Configuration of advanced security is optional.			<i>i.</i> bea
Do you want to configure the application	n's security	?	
Security configuration options include:			
 Creating Users, Groups, and Global Roles Assigning Users and Groups to Groups Assigning Users and Groups to Global Role 	95		
If you want to skip this section, select "No" and cli that are identical to the settings in the configuration	ick "Next." Th on source tha	e wizard uses settings for your security con t you selected earlier.	figuration
If you want to customize these settings, select "Ye	es" and click '	Next" to go through the configuration setu	μр.
۲	No	⊖ Yes	
Exit Help			Previous <u>N</u> ext

- 11. Extend the configuration.
 - a. If desired, use **Browse** to select the directory to place the CollabraSuite.ear.
 - **Note:** If you want to place the EAR under the applications directory located in the domain you may have to create the directory first.
 - b. Click Import.

Figure 3-12 WebLogic Configuration

BEA WebLogic Configuration Wizard			
Create WebLogic Configuration Specify the directory in which you want to create a WebLogic summary and make any corrections by returning to the associ	conf ated	iguration. Please rev section in the Config	iew the Jona Contract of the State of the St
Configuration Summary		Configuration Detai	ls
Template Server Summary View: Deployment Template Template Service Template Template		Attribute Name Description Author Location	Value C:\bea\user_projects\domains\portalDomain
Configuration Domain Location			
Configuration Applications Location Browse C:\bea\user_projects\applications			
Exit Help			Previous Import

- 12. A successful import is indicated in the screen below.
 - a. Click **Done** to exit the Configuration Wizard.

Figure 3-13 Creating Configuration

BEA WebLogic Configuration Wizar		×
Creating Configuration		<i>i bea</i>
	Preparing Extracting Configuration Extension Contents Saving the Configuration Information Updating Domain Information Updating Domain Information String Substituting Configuration Files Performing OS Specific Tasks Configuration Extension Applied Successfully! Configuration Location: C:\bea\user_projects\domains\portalDomain	
E <u>x</u> it		Previous Done

WebLogic 9/10 Domain

This section describes extending a WebLogic 9 or WebLogic 10 domain. If you are using WebLogic 8.1, skip this section and proceed to the next section titled **Finish Extending the Domain**.

- 1. Run the BEA WebLogic Configuration Wizard.
 - a. In Windows, you can use the Start menu to run the Configuration Wizard. For other platforms, you can execute the Configuration Wizard script located in the WebLogic installation directory:
 - % cd \$WL_HOME/common/bin

Configuring CollabraSuite BEA Edition

% ./config.sh &

- 2. Extend an existing WebLogic domain.
 - a. Choose Extend an existing WebLogic domain.
 - b. Click Next.

Figure 3-14 Create or Extend Domain

BEA WebLogic Configuration Wizard		
Welcome Choose between creating and extending a domain. Based on your selection, the Configuration Wizard guides you through the steps to generate a new or extend an existing domain.	&bea r	P
○ Create a new WebLogic domain		
Create a WebLogic domain in your projects directory.		
● Extend an existing WebLogic domain		
Extend an existing WebLogic domain.		
Use this option to add applications and services, or to override existing database access (JDBC) an messaging (JMS) settings. You can also incorporate additional functionality in your domain, for exa including AquaLogic Service Bus.	d mple, by	
	Previous	Next

- 3. Select the existing configuration.
 - a. Use the tree to select the top level directory of the domain you wish to extend with CollabraSuite BEA Edition functionality.
 - b. Click Next.

Figure 3-15 Choose Domain

🛐 BEA WebLogic Configuration Wizard	
Select a WebLogic Domain Directory Select the WebLogic domain to which you want to add applications and/or services.	(bear
Select a WebLogic domain directory:	
🖃 🖳 My Computer	
🗉 🛅 Shared Documents	
🖃 🥪 Local Disk (C:)	
🖃 🧰 bea	
🖃 🛅 user_projects	
applications	
🖃 🛅 domains	
🕀 📷 base_domain	
🕀 🛅 bea-8.1.4	
🕑 🕀 🛅 bea-8.1.5	
🕀 🧰 bea-9.1.0	
🖅 🛅 cygwin	
🕀 🛅 Data	
Documents and Settings	
🗉 🕀 🛅 hp	
🗄 🖻 I386	
🗄 🛅 j2sdk1.4.2_08	
E Contracte	
🛛 🕀 🛅 PointBase	•
·	
E <u>x</u> it <u>H</u> elp	Previous Next

- 4. Select the extension source.
 - a. Select the appropriate CollabraSuite BEA Edition template. Choose the **CollabraSuite BEA Edition for ALUI** if CollabraSuite BEA Edition is to be used with AquaLogic User Interaction (ALUI)
 - b. Click Next.

Figure 3-16 Select Extensions

BEA WebLogic Configuration Wizard			
Select Extension Source Select the source from which the domain will be exten on the required components or by selecting from a list	ded. You can extend the domain by clicking of existing extension templates.	% bea	P
⊙ Extend my domai	n automatically to support the following added BEA pro	oducts:	
VebLogic Serve	er (Required)		
Workshop for V	VebLogic Platform		
WebLogic Porta	al de la constante de la const		
WebLogic Porta	I GroupSpace Framework		
WebLogic Porta	I GroupSpace Application		
CollabraSuite 5.	.1		
CollabraSuite 5	.1 Portlets for ALUI		
○ Extend my domai	n using an existing extension template		
Template location:	C:\bea-9.2.0\weblogic92\common\templates\applications	Browse	
E <u>x</u> it <u>H</u> elp		Previous	Next

5. Customize JDBC Settings

a. Click Yes when asked to modify JDBC data sources.

b. Click Next.

Note: If using MySQL, see the Special MySQL Instructions.

Figure 3-17 Customize JDBC

BEA WebLogic Configuration Wizard			
Customize JDBC and JMS File Store Se Your extension template may include certain preconfig	ettings ured services.		«bea [.]
Do you want to mo	dify any of the fo	bllowing, if defined?	
JDBC data source	tes		
JMS file store d	rectories		
To proceed to creat leave No selected.	e a domain using	g the settings define	d in the template,
	⊖ No	● Yes	
E <u>x</u> it <u>H</u> elp			Previous Next

- 6. Configure JDBC Data Sources.
 - a. Leave the Name and JNDI name fields unchanged.

b. Fill in the appropriate **Database type** and **Driver**.

Note: Refer to the Supported Configurations Guide for supported databases and drivers.

- c. Fill in the appropriate values for **DBMS name**, **DBMS host**, **DBMS port**, **User name** and **User password**.
- d. Check Supports global transactions, then select Emulate two phase commit.

Figure 3-18 Data Source

BEA WebLogic Cor	figuration Wiza	ard			
Configure JDBC Data Sources Edit the configuration information for the JDBC data sources. A data source contains a pool of database connections. Your application for looks up a data source in the JNDI tree, requests a connection, uses it, then returns it to the connection pool in the data source.					
💍 Discard Changes					Test Connections
csuiteDataSource					
*Name:	csuiteDataSou	ce			Supports global transactions
JNDI name:	weblogic.jdbc.j	ts.csuitePool		-	⊖ Two phase commit
*Database type:	Oracle			-	 Logging last resource
*Driver:	*BEA's Oracle	Driver (Type 4) Versions:9.0.	1,9.2.0,10	-	Emulate two phase commit
*Class name:	weblogic.jdbc.o	oracle.OracleDriver			○ One phase commit
*DBMS name:	databasename		*User name:	csuite	
*DBMS host:	databasehost		*User password:	****	
*DBMS port:	1521]	*Confirm user password:	****	*
*JDBC URL:	jdbc:bea:oracle	://databasehost:1521			
Knov	vn properties: [al properties: [user=csuite;portNumber=152	21;5ID=databasename;serverf	lame=data	basehost
E <u>x</u> it <u>H</u> elp					Previous

- e. Test the data source by clicking Test Connections.
- f. In the **Test Data Source Connections** dialog, click the **Test** button next to the csuiteDataSource. You should see a successful connection test in the lower panel.
- g. Click **OK** to dismiss the dialog.
- h. Click Next.

Figure 3-19 Test Data Source

ebata 5	ource connections		
	Data Source	JDBC URL	Statu
Test ▶	csuiteDataSource	jdbc:bea:oracle://localhost:1521	<i>✓</i>
Connectio	n Result Log weblogic.jdbc.oracle.OracleDriver		
URL=jd User=c: Passwo SQL Tes	bc:bea:oracle://localhost:1521 suite rd=********* it=SELECT 1 FROM DUAL		
Result=	1		
Test Su	ccessful!		
			•
			OK

- 7. Run Database Scripts
 - a. If the CollabraSuite BEA Edition database schema does not already exist, click **Run Scripts**.
 - **Note:** Any existing CollabraSuite BEA Edition tables will be dropped and recreated, removing any previous CollabraSuite BEA Edition environment. If upgrading CollabraSuite BEA Edition, please refer to the Upgrading CollabraSuite appendix.
 - b. Click Next.

Figure 3-20 Setup Database

BEA WebLogic Configuration Wizard	
Run Database Scripts If your connections tested OK, you may now run database scri select the desired database loading options and database vers	ipts. For each JDBC data source, sion, and click Run Scripts.
Available JDBC Data Sources p13nDataSource portalDataSourceAlwaysXA portalDataSourceNeverXA csuiteDataSource Available SQL Files and Database Loading Options ✓ Drop/Create CollabraSuite Database Objects	Results
DB Version: Any Run Scripts	Log File: C:\BEA-92~1.0\WEBLOG~1\common\lb\jdbc.log Browse
E <u>x</u> it <u>H</u> elp	Previous Next

- 8. Review WebLogic Domain.
 - a. Click Next.

Figure 3-21 Review Domain

BEA WebLogic Configuration Wizard Review WebLogic Domain Review the summary to verify the contents of your domain. You displayed in the Domain Summary pane by selecting a filter from Domain Summary Summary View: Deployment	u can limit the type of in the View drop-down lis Click on an item in th Details pane below. ' prior panel. If every!	formation t. Domain Summary pane on the left to inspect its attributes in the /ou can make limited adjustments by clicking Previous to return to a hing is satisfactory, click Next.
in Template	Details	Uslug
AdminServer	Name Description Author Location	C:\bea\user_projects\domains\base_domain
Exit Help		Previous Next

- 9. Extend WebLogic Domain.
 - a. Select the desired Application location. This is where the CollabraSuite.ear file will be installed.

- **Note:** If you want to place the EAR file under the applications directory in the domain you may have to create the directory first.
- b. Click Extend.

Figure 3-22 Extend the Domain

BEA WebLogic Configuration Wizard			
Extend WebLogic Domain Specify the application location for the selected doma	in.		őbea:
Enter the applic	ation location for the selected domain:		
Domain name:	base_domain		
Domain location:	C:\bea\user_projects\domains		
Application location:	C:\bea\user_projects\applications	Browse	
E <u>x</u> it <u>H</u> elp			Previous Extend

10. A successful domain extension is displayed in the screen below.

a. Click **Done** to exit the Configuration Wizard.

Figure 3-23 Create Domain

BEA WebLogic Configuration Wiza	rd and a second	
Creating Domain		(be ar
(bear	Progress:	
	Preparing Extracting Domain Extension Contents Saving the Domain Information Updating Domain Information String Substituting Domain Files Performing OS Specific Tasks Domain Extension Applied Successfully!	
	Domain Location: C:\bea\user_projects\domains\base_domain	
Exit		Previous Done

WebLogic SIP Server 3.0 Domain

This section describes extending a WebLogic SIP Server domain. If you are using WebLogic server (without SIP support), skip this section and proceed to the next section titled **Finish Extending the Domain**.

- 1. Follow all instuctions in the WebLogic 9 Domain section above
 - a. In step 4a (Select Extensions), ensure SIP server is also selected
- 2. Edit the startWebLogic script located in DOMAIN_HOME/bin
 - a. For Windows, add the following to the end of the file

```
set JAVA_OPTIONS=%JAVA_OPTIONS% -Dwlss.udp.listen.on.ephemeral=false
```

b. For Linux, add the following to the end of the file

```
JAVA_OPTIONS=%JAVA_OPTIONS% -Dwlss.udp.listen.on.ephemeral=false
export JAVA_OPTIONS
```

Finish Extending the Domain

After extending a WebLogic 8.1 or 9 domain, complete the installation via the WebLogic console.

1. Start the WebLogic server

For Windows:

- > cd %DOMAIN_HOME%
- > startWebLogic.cmd

For Unix:

- % cd \$DOMAIN_HOME
- % ./startWebLogic.sh
- **Note:** Startup will take some time because the CollabraSuite BEA Edition JSPs are precompiled the first time the server is started after CollabraSuite BEA Edition has been deployed.
- 2. Verify the following groups exist; creating the groups if they are not present:
 - CollabraSuiteAdministrators
 - CollabraSuiteUsers
 - CollabraSuiteRemote
 - **Note:** If using an LDAP, create the groups in the LDAP and add users to the appropriate groups within the LDAP manually.
- 3. Add any existing WebLogic users to the appropriate CollabraSuite groups:
 - Users must belong to the CollabraSuiteUsers group in order to login to the CollabraSuite environment.
 - **Note:** Users belonging to the 'wlcs_customer' and 'users' groups also have access to CollabraSuite.
 - Users belonging to the CollabraSuiteAdministrators group can create a new CollabraSuite campus and administer any existing campus.

- **Note:** Users belonging to the 'Administrators' and 'PortalSystemAdministrators' groups also belong to the CollabraSuiteAdministrators group.
- A user account used to initialize a remote campus connection must belong to the CollabraSuiteRemote group. This is the user account listed on the Remote Campus Admin Details page.
- **Note:** Prior to the 4.2 release, the group names were CollabraSuiteGroup, CollabraSuiteAdmin, and CollabraSuiteRemoteAPI. These group names are still supported in later releases, though new installations will use the updated group names.
- 4. For WebLogic 8.1, increase the size of the Default Execute Queue if necessary. CollabraSuite BEA Edition requires an available thread for every user logged in concurrently. Threads are also consumed by remote campus connections, depending on the settings in the **Remote Campus Details** page. The Default Execute Queue can be modified in the WebLogic Administration Console under Servers->ServerName->Configuration->General->Advanced Options-> Configure Execute Queues. Select the default execute queue and modify the Thread Count setting as appropriate.
- 5. Modify the mail settings.
 - a. Some CollabraSuite BEA Edition components generate email and therefore require a Mail Session. The mail session is created by the template and can be edited from the WebLogic Administration Console under **Services->Mail->csuiteMailSession.** Important properties of the mail session include:
 - mail.host: SMTP mail server hostname; default=localhost
 - mail.user: The user name used to connect to the mail server; default=empty
 - **mail.from**: The return email address used when the sending user has not filled in their email address; default=collabraSuite@localhost
 - **Note:** For further details on the JavaMail API, refer to http://java.sun.com/products/javamail.
 - b. Advanced Mail options: CollabraSuite BEA Edition contains advanced mail formatting options that can configure email headers and footers; a bcc recipient list to be used; and a standard from address to be used. In order to configure these advanced mail settings, the ejb-jar.xml file within the csuite-ebj.jar in CollabraSuite.ear must be updated and the jars repackaged. The individual options are documented within the ejb-jar.xml file.

- 6. For WebLogic 9/10, configure Virtual Content Repository (VCR) support if necessary:
 - a. Enable Library Services in the VCR to enable support for versioning documents. This can be modified via the Portal Administration console.
 - b. Modify the VCR data source (named portalDataSource by default) to Support Global Transactions using Logging Last Resource. This can be modified via the WebLogic Administration console under Services-> JDBC-> Data Sources-> portalDataSource-> Configuration-> Transaction.
 - c. Users need to have permission to write into the VCR. Adding the users to the **Administrators** group addresses this.
- 7. Verify the HTTP timeouts. CollabraSuite BEA Edition requires an HTTP timeout of at least 30 seconds.
 - a. The WebLogic default of 10 minutes is well within the requirements for CollabraSuite BEA Edition. If necessary, this setting can be modified from the WebLogic Administration Console under Servers->ServerName->Tuning->Stuck Thread Max Time.
 - b. This timeout also applies to any HTTP proxies between the client and WebLogic. The HTTP proxy timeout must be greater than or equal to WebLogic's timeout. Again, most defaults are much larger than 30 seconds, so these settings should not have to be modified to accomodate CollabraSuite BEA Edition.
- 8. CollabraSuite BEA Edition licenses must be obtained from BEA. An evaluation license is available on the CollabraSuite BEA Edition download page. The existing BEA license should be updated via the BEA UpdateLicense tool.

Create the Collaborative Environment

Once the CollabraSuite BEA Edition software has been successfully installed, all other documentation and administration capabilities are available via the deployed CollabraSuite BEA Edition application. An list of all available documentation and links to the documents can be found deployed in the WebLogic server at http://host:port/csuite/docs

- 1. Create the initial collaborative environment by using the CollabraSuite BEA Edition administration web application.
 - a. If necessary, create a CollabraSuite BEA Edition administration user in WebLogic that belongs to the CollabraSuiteAdministrators group.

- b. Bring up the CollabraSuite BEA Edition administration web application at http://host:port/csuite/ria/admin and log in as an administrative user.
- c. Create the desired campus, buildings, floors, and rooms.
- d. Create the desired users
- e. In a portal environment, create corresponding WebLogic users in the Portal Administration. Otherwise, create the WebLogic users in the WebLogic Administration Console. The WebLogic user name must match the CollabraSuite BEA Edition user login ID. Alternatively, you can use the <setUserInfo> JSP tag inside a portlet to automatically create a CollabraSuite user that corresponds to the WebLogic user. See CollabraSuite.jspf in the sample portlets for an example of using the <setUserInfo> JSP tag.
- **Note:** Refer to the **CollabraSuite BEA Edition Administration Guide** for more information on creating a collaborative environment.

Create the Portal

CollabraSuite can run inside either a WebLogic Portal or ALUI environment. If a portal already exists or is not needed, creating the portal may be skipped.

For details on creating a WebLogic Portal application, consult BEA's website on Getting Started with Portal Development. (http://edocs.bea.com/wlp/docs81/startdev/index.html)

For details on creating an ALUI portal, consult BEA's ALUI Documentation (http://edocs.bea.com/alui/index.html)

Extend the Portal

The following sections describe integrating CollabraSuite BEA Edition into a portal environment. They can be skipped when portal integration is not required.

WebLogic 8.1 Portal

This section describes CollabraSuite BEA Edition integration with WebLogic Portal 8.1.

- 1. Start BEA WebLogic Workshop.
- 2. Open an existing portal application or create a new one via File->New->Application...
- 3. Select an existing web project or create a new one via File->New->Project...

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- 4. Right-click on the web project in the left-hand tree and select Install->CollabraSuite
- 5. Sample CollabraSuite BEA Edition portlets are available in the Data Palette. Simply select a portal page and drag the portlets onto the page in the desired location.
- 6. CollabraSuite BEA Edition provides a JSP tag library for creating custom CollabraSuite BEA Edition portlets. The CollabraSuite BEA Edition tags are available under the JSP Palette in WebLogic Workshop.
- 7. Edit the portlets/CollabraSuite/collabrasuite.jspf file as necessary:
 - a. Set the campusName variable to the correct campus name.
 - b. Uncomment the <setuserinfo> JSP tag to automatically create CollabraSuite BEA Edition user accounts if desired.
- **Note:** This requires Auto Account Creation to be enabled on the campus. See the CollabraSuite BEA Edition Administration Guide for details.

WebLogic 9.2/10.0 Portal

This section describes CollabraSuite BEA Edition integration with WebLogic Portal 9.2 and 10.0.

- 1. Start BEA WebLogic Workshop.
- 2. Open an existing portal EAR project or create a new one via File->New->Portal EAR Project...
- 3. Select an existing portal WAR project or create a new one via File->New->Portal Web Project...
 - a. Select the following project facets:
 - CollabraSuite->CollabraSuite Taglibs
 - WebLogic Portal Collaboration->CollabraSuite Portlets
 - b. Choose to "Use Shared J2EE Libraries."
- 4. Create a new Portal by right clicking on the portal webproject and selecting New->Portal
 - Note: There is a known issue in WebLogic 9.2/10.0 concerning the proper ordering of library modules. As a workaround, open the WebContent/WEB-INF/weblogic.xml file in the web project and re-order the library module references so that the first two

library modules are: **collabrasuite-portlets-web-lib** and **collabrasuite-web-lib** in that order.

- 5. Sample CollabraSuite BEA Edition portlets are available in the Data Palette. Simply select a portal page and drag them onto the page in the desired location.
- 6. CollabraSuite BEA Edition provides a JSP tag library for creating custom CollabraSuite BEA Edition portlets. The CollabraSuite BEA Edition tags are available under the JSP Design Palette in WebLogic Workshop.
- 7. Access the portlets/CollabraSuite/collabrasuite.jspf:
 - a. Go to the Merged Projects View (Window->Show View->Merged Projects)
 - b. Select the collabraSuite.jspf file
 - c. Right click and select "Copy To Project"
- 8. Edit the portlets/CollabraSuite/collabrasuite.jspf file as necessary:
 - a. Set the campusName variable to the correct campus name.
 - b. Uncomment the <setuserinfo> JSP tag to automatically create CollabraSuite BEA Edition user accounts if desired.
- **Note:** This requires Auto Account Creation to be enabled on the campus. See the CollabraSuite BEA Edition Administration Guide for details.

WebLogic 9.2/10.0 GroupSpace Portal

This section describes CollabraSuite BEA Edition integration with WebLogic 9.2 and 10.0 GroupSpace portals. Please refer to the GroupSpace Guide (http://edocs.bea.com/wlp/docs92/groupspace/index.html) for details on creating a GroupSpace portal.

When creating a domain, select the following products:

- Workshop for WebLogic Platform
- WebLogic Portal
- WebLogic Portal GroupSpace Framework
- CollabraSuite BEA Edition

Configuring CollabraSuite BEA Edition

- 1. Start BEA WebLogic Workshop.
- 2. Open an existing portal EAR project or create a new one via File->New->Portal EAR Project...
 - a. In addition to the **WebLogic Portal** and **WebLogic Portal Collaboration** facets, select the **CollabraSuite GroupSpace Library Support** facet.
- 3. Select an existing portal WAR project or create a new one via File->New->Portal Web Project...
 - a. In addition to the **WebLogic Portal** and **WebLogic Portal Collaboration** facets, select the following:
 - CollabraSuite/CollabraSuite Taglibs
 - WebLogic Portal Collaboration/CollabraSuite GroupSpace Support
 - WebLogic Portal Collaboration/CollabraSuite Portlets
 - b. Choose to "Use Shared J2EE Libraries"
 - Note: There is a known issue in WebLogic 9.2/10.0 concerning the proper ordering of library modules. As a workaround, open the WebContent/WEB-INF/weblogic.xml file in the web project and re-order the library module references so that the first three library modules are: collabrasuite-groupspace-web-lib, collabrasuite-portlets-web-lib and collabrasuite-web-lib in that order.
 - **Note:** Once the CollabraSuite GroupSpace Support facet has been applied to a Web Project, that Web Project can only be used for GroupSpace portals. However, there can be multiple Web Projects deployed into a single domain, some of which support GroupSpace and some that do not.
- 4. Publish the EAR to the WebLogic server.
- 5. Open the portal administration console.
- 6. Create a new portal or select an existing portal.
- 7. Create a community template based on the groupspace.ctmeta file.
 - **Note:** There are other ways to create a community such as directly from a .community file. However, the only way currently supported is via a template based on the groupspace.ctmeta file.

- 8. Create an initial community based on the template created in the previous step.
 - Note: The following CollabraSuite BEA Edition location is automatically created: GroupSpace Campus/GroupSpace Building/GroupSpace Floor. All GroupSpace communities will use this location

AquaLogic User Interaction (ALUI) Portal

This section describes CollabraSuite BEA Edition integration with BEA's ALUI product.

When using WebLogic 8.1, the domain must first be extended using the **CollabraSuite BEA Edition** template as described above in the **Extend the Domain** section. The WebLogic Configuration Wizard must be run again to extend the domain with the **CollabraSuite BEA Edition for ALUI** template.

When using WebLogic 9.2, both templates can be applied at the same time, either during domain creation, or later by extending the domain.

- 1. Update the CollabraSuite_ALUI_Portlets deployment descriptors.
 - a. In order to automatically create WebLogic users corresponding to ALUI users, the name of a WebLogic administrative user is contained in the weblogic.xml file of the csALUI web application. The default username is weblogic. If the weblogic user doesn't exist in the domain or it is not in the Administrators group, the weblogic.xml must be modified. Change the following XML in <a href="mailto:<a href="mailto: (CollabraSuite_ALUI_Portlets.ear/csALUIWeb.war/WEB-INF/weblogic.xml">weblogic.xml to reflect the name of an administrative user in your domain:

```
<security-role-assignment>
```

<role-name>SSO_ROLE</role-name>

<principal-name>weblogic</principal-name>

```
</security-role-assignment>
```

```
<run-as-role-assignment>
```

```
<role-name>SSO_ROLE</role-name>
```

```
<run-as-principal-name>weblogic</run-as-principal-name>
```

```
</run-as-role-assignment>
```

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- b. By default, CollabraSuite BEA Edition will create new users with the same user name that is used to log into ALUI, with a default homeroom of SampleCampus/SampleBuilding/SampleFloor/SampleRoom. If you would like to change any of these defaults, you need to modify the Servlet parameters in the CollabraSuite_ALUI_Portlets EAR. These are found in the web.xml file of the csALUI web application.
- **Note:** Remember to redeploy this EAR if you make any modifications to the deployment descriptors.
- 2. Import the sample CollabraSuite BEA Edition portlets
 - a. If necessary, start up the server that is running the ALUI application.
 - b. Navigate to http://host:port/portal/server.pt
 - c. Log in as the Administrator. The default is 'Administrator' with no password.
 - d. Click on the Administration tab.
 - e. Under the Select Utility... tab, choose Migration Import.
 - f. Click **Browse...** under File Path, and select the following file: <WL_HOME>/collabrasuite-511/ALUI/QuickStart/csALUISample.pte
 - g. Click Load Package.
 - h. Click **Finish** in the upper-right-hand corner of the window, and then click **OK** to confirm the migration.
 - i. You now have a sample ALUI Experience Definition that contains all of the CollabraSuite BEA Edition portlets, as well as a sample default page to log into that contains two CollabraSuite BEA Edition portlets.
- 3. Modify Remote Server Properties. The migration in the previous step created a remote server object, which should point to the CollabraSuite_ALUI_Portlets application that was deployed by the extension template. To change the default of localhost as the server host and 7001 as the server port:
 - a. Make sure that the server running the ALUI application is running.
 - b. Log into the ALUI application as the Administrator.
 - c. Click on the Administration tab.
 - d. Click on the CollabraSuite Experience Definition link.

- e. Click on the Remote Server link, then click on the CS Remote Server link.
- f. Change the host and port in the Base URL text field.
- g. Click **Finish** in the upper-right-hand corner of the window.
- h. Log out of the ALUI application.
- 4. Modify CollabraSuite BEA Edition Campus settings in the CollabraSuite BEA Edition Administration tool.
 - a. Make sure that the server running CollabraSuite BEA Edition is running.
 - b. Log into the CollabraSuite BEA Edition admin tool using the CollabraSuite BEA Edition admin account. The URL is http://host:port/csuite/ria/admin.
 - c. Make sure that the **Auto-Account Creation** checkbox is checked. If not, check this box and click **Save**.
 - d. Log out of the CollabraSuite BEA Edition admin tool.
- 5. Configure ALUI timeout and authentication.
 - a. Verify the following values are set in the <PLUMTREE_INSTALL_DIR>/settings/portal/portalconfig.xml file
 - ImageServerConnectionURLTimeout: -1
 - CaptureBasicAuthenticationForPortlets: 1

Configuring CollabraSuite BEA Edition



Appendices

WebLogic Domain Extension Summary

CollabraSuite BEA Edition J2EE components require specific services and security to be configured and deployed. The following table summarizes the configuration created by the CollabraSuite BEA Edition Domain Extension Template:

Component	Settings
JDBC Connection Pool	Name: csuiteConnectionPool
JDBC Data Source	Name: csuitePool
	JNDI Name: weblogic.jdbc.jts.csuitePool
JMS Server	Name: csuiteJMSServer
	JNDI Name: weblogic.jms.csuiteEventTopic
JMS Connection Factory	Name: csuiteConnectionFactory
	JNDI Name: weblogic.jms.csuiteConnectionFactory
JMS Topic	Name: csuiteEventTopic
	JNDI Name: weblogic.jms.csuiteEventTopic
JMS Topic	Name: csuiteRemoteEventTopic
	JNDI Name: weblogic.jms.csuiteRemoteEventTopic

 Table 4-1
 Domain Extension Summary

Component	Settings
Mail Session	Name: csuiteMailSession
	JNDI Name: csuiteMail
Admin User	Name: csadmin
	Default Password: password
	Member of: CollabraSuiteUsers, CollabraSuiteAdministrators
User Group	Name: CollabraSuiteUsers
Admin Group	Name: CollabraSuiteAdministrators
Remote Group	Name: CollabraSuiteRemote

WebLogic Portal Extension Summary

Integrating CollabraSuite BEA Edition J2EE components into a WebLogic portal requires specific files to be configured and deployed into the portal application. The following summarizes the configuration performed by the CollabraSuite BEA Edition Portal Extension Template:

- The following files are copied into <portalApplication>/<portalProject>/WEB-INF/lib. They can be found on the distribution CD under the lib directory.
 - csuite-taglib.jar
 - common-server.jar
 - csuite-client.jar
 - csuite-ejb-client.jar
 - csuite-i9n-client.jar
 - csuite-ria-common.jar
 - csuite-ria-client.jar

• The following taglib is added to

<portalApplication>/<portalProject>/WEB-INF/web.xml:

```
<taglib>
```

```
<taglib-uri>csuite-taglib.tld</taglib-uri>
```

```
<taglib-location>/WEB-INF/lib/csuite-taglib.jar</taglib-location>
```

WebLogic Portal Extension Summary

</taglib>

• The following ejb-refs are added to

<portalApplication>/<portalProject>/WEB-INF/web.xml:

<ejb-ref>

<ejb-ref-name>ejb/CSuiteAdmin</ejb-ref-name>

<ejb-ref-type>Session</ejb-ref-type>

<home>com.collabraspace.csuite.server.i9n.interfaces.CSuiteAdminRemo teHome</home>

<remote>com.collabraspace.csuite.server.i9n.interfaces.CSuiteAdminRe mote</remote>

</ejb-ref>

<ejb-ref>

<ejb-ref-name>ejb/CSuiteCollaboration</ejb-ref-name>

```
<ejb-ref-type>Session</ejb-ref-type>
```

<home>com.collabraspace.csuite.server.i9n.interfaces.CSuiteCollabora tionRemoteHome</home>

<remote>com.collabraspace.csuite.server.i9n.interfaces.CSuiteCollabo rationRemote</remote>

</ejb-ref>

<ejb-reference-description>

<ejb-ref-name>ejb/CSuiteAdmin</ejb-ref-name>

<jndi-name>ejb/CSuiteAdmin</jndi-name>

</ejb-reference-description>

<ejb-reference-description>

<ejb-ref-name>ejb/CSuiteCollaboration</ejb-ref-name>

<jndi-name>ejb/CSuiteCollaboration</jndi-name>

</ejb-reference-description>

 Sample CollabraSuite portlets are installed under <portalApplication>/<portalProject>/portlets/CollabraSuite. Appendices

Upgrading CollabraSuite

The process of upgrading an existing installation of CollabraSuite is similar to the process of creating a new installation.

- 1. Be sure to shut down WebLogic and backup your entire domain directory before applying the extension template to an existing domain. The Configuration Wizard will overwrite all scripts in the domain, removing any local modifications. One strategy for updating an existing domain with local customizations is to first make a copy of the domain. You can then apply the extension template to the copy. When finished with the template, copy the config.xml and the CollabraSuite.ear file back into the original domain. This will allow you to update a domain with CollabraSuite BEA Edition while preserving any local modifications.
- 2. With WebLogic running, delete the CollabraSuite BEA Edition application via the WebLogic Administration Console under Deployments/Applications.
- 3. Shutdown the WebLogic server.
- 4. Connect to the database configured for CollabraSuite BEA Edition and run the necessary upgrade SQL scripts. These scripts can be found under the CollabraSuite BEA Edition installation sql directory and they should be run in order. For example, to upgrade from CollabraSuite BEA Edition 3.4.5 to CollabraSuite BEA Edition 3.6.0, run alter320to350.sql and then run alter350to360.sql.
- 5. Extend the domain.
 - For WebLogic 8.1, perform the steps 1-6 and 8-11 from Extending the Domain, extending the copy of the domain. Be sure to skip step 7, which creates the CollabraSuite BEA Edition database schema. In step 11, point to the applications directory in the original domain, rather than the copy of the domain.
 - For WebLogic 9/10, perform the steps 1-6 and 8-10 from Extending the Domain, extending the copy of the domain. Be sure to skip step 7, which creates the CollabraSuite BEA Edition database schema.
- 6. Choose to replace the existing configurations and Apply that choice to all future choices.
- 7. Copy the config.xml file from the copied domain into the original domain
- 8. If upgrading a WebLogic 8.1 portal, copy the following jars into
 <portalApplication>/<portalProject>/WEB-INF/lib. They can be found on the
 distribution CD under the lib directory.
 - csuite-taglib.jar
 - common-server.jar

- csuite-client.jar
- csuite-ejb-client.jar
- csuite-i9n-client.jar
- csuite-ria-common.jar
- csuite-ria-client.jar
- 9. If upgrading a WebLogic 9.2 or WebLogic 10.0 portal, upgrade is supported only when using J2EE library modules. In this case, find any files that have been copied into the project from a CollabraSuite BEA Edition library module. Remove and then re-copy them into the local project applying any local customizations.
- 10. Start the WebLogic server.
- 11. Perform all steps in Finish Extending the Domain.

Clustering Configuration

This section discusses deployment of CollabraSuite into a WebLogic cluster. This section can safely be skipped for single server installations.

Note: Clustering is not supported with the PointBase database.

Use the WebLogic Domain Configuration wizard to extend a cluster domain as described in the **Extend the Domain** section of this guide.

In WebLogic 8.1 SP4 or later, the CollabraSuite components will automatically be targeted to the cluster. In earlier versions you may have to target the CollabraSuite components to the cluster manually.

Confirm the following configuration for the CollabraSuite JMS Connection factory:

- General -> 'Server Affinity Enabled' is checked
- Transactions -> 'XA Connection Factory Enabled' is checked

When running in a cluster, the system clocks of all server nodes must be synchronized by using Network Timing Protocol (NTP) or some similar means of clock synchronization. When system clocks are not synchronized, incorrect event timestamps will occur and CollabraSuite users may be disconnected from the application.

Supported Configurations

Please see the **Supported Configurations Guide** for supported platforms and known limitations associated with particular configurations.

Special UNIX Instructions

Some UNIX serves ship without a graphics card. These "headless" machines require an extra WebLogic startup parameter in order to support CollabraSuite. This parameter can be passed to WebLogic by adding the following line to startWebLogic.sh: JAVA_OPTIONS="\${JAVA_OPTIONS} -Djava.awt.headless=true"

Special PointBase Instructions

WebLogic 8.1

When using PointBase with WebLogic 8.1, take the following special steps when extending a domain:

• Before step 5, start PointBase:

For Windows:

- > cd %DOMAIN_DIR%
- > setDomainEnv.cmd

```
> %WL_HOME%\common\bin\startPointBase.cmd -port=9093
-ini=%DOMAIN_DIR%\pointbase.ini
```

For Unix:

% cd \$DOMAIN_DIR

```
% . setDomainEnv.sh
```

```
% ${WL_HOME}/common/bin/startPointBase.sh -port=9093
-ini=${DOMAIN_DIR}/pointbase.ini
```

• After step 7, stop PointBase:

For Windows:

- > cd %DOMAIN_DIR%
- > setDomainEnv.cmd
- > %WL_HOME%\common\bin\stopPointBase.cmd -port=9093 -name=workshop

For Unix:

- % cd \$DOMAIN_DIR
- % . setDomainEnv.sh
- % \${WL_HOME}/common/bin/stopPointBase.sh -port=9093 -name=workshop

Special MySQL Instructions

WebLogic 8.1

When using MySQL with WebLogic, some documentation states that the MySQL JDBC driver JAR file should be placed in the JDK's jre/lib/ext directory. However, this causes errors when deploying J2EE applications in WebLogic. Instead, follow these steps to deploy with MySQL:

- 1. Create a WL_HOME/server/ext/jdbc/mysql directory in the WebLogic installation and place the MySQL JDBC driver JAR file in it. For this example, the MySQL JDBC driver JAR file is mysql-connector-java-3.1.12-bin.jar.
- 2. Add the MySQL JDBC driver to the CLASSPATH:
 - a. For Windows, edit the WL_HOME\common\bin\commEnv.cmd script and add the following lines to the bottom of the file:

```
SET DATABASE_CLASSPATH=
%WL_HOME%\server\ext\jdbc\mysql\mysql-connector-java-3.1.12-bin.jar
```

SET WEBLOGIC_CLASSPATH=%WEBLOGIC_CLASSPATH%;%DATABASE_CLASSPATH%

b. For UNIX, edit the WL_HOME/common/bin/commEnv.sh script and add the following lines to the bottom of the file:

```
DATABASE_CLASSPATH=
${WL_HOME}/server/ext/jdbc/mysql/mysql-connector-java-3.1.12-bin.jar
export DATABASE_CLASSPATH
WEBLOGIC_CLASSPATH=${WEBLOGIC_CLASSPATH}:${DATABASE_CLASSPATH}
```

WebLogic 9/10

When using MySQL with WebLogic, some documentation states that the MySQL JDBC driver JAR file should be placed in the JDK's jre/lib/ext directory. However, this causes errors when deploying J2EE applications in WebLogic. Instead, follow these steps to deploy with MySQL:

1. Follow the instructions above for WebLogic 8.1.

Appendices

2. For Windows, edit the following lines at the bottom of WL_HOME\common\bin\config.cmd and add the text in bold:

```
IF "%ARGUMENTS%" == "" (
    %JAVA_HOME%\bin\javaw %MEM_ARGS%
-Xbootclasspath/a:%DATABASE_CLASSPATH% -jar configwiz.jar %ARGUMENTS%
) ELSE (
    %JAVA_HOME%\bin\java %MEM_ARGS%
-Xbootclasspath/a:%DATABASE_CLASSPATH% -jar configwiz.jar %ARGUMENTS%
)
```

3. For UNIX, edit the following line at the bottom of WL_HOME\common\bin\config.sh and add the text in bold:

```
"${JAVA_HOME}/bin/java" ${MEM_ARGS}
-Xbootclasspath/a:${DATABASE_CLASSPATH} -jar configwiz.jar ${ARGUMENTS}
```

Note: See the Known Limitations section of the **Supported Configurations Guide** for the compatible versions of MySQL.

Media Server Configuration

This section discusses configuring the CollabraSuite BEA Edition environment to utilize SIP functionality. The following steps must be taken before audio conferencing is available in the CollabraSuite BEA Edition application.

- 1. CollabraSuite BEA Edition must be installed into a WebLogic SIP Server domain.
- The Asterisk Media Server must be installed via an RPM. The RPM can be found on the CollabraSuite BEA Editioninstallation CD under the media-server directory. Install the media server with:

```
% rpm -Uvh cs_media_server-5.1-1.rpm
```

- 3. The Asterisk media server must be configured by editing /etc/asterisk/sip.conf. The [general] section of the sip.conf file contains configuration data common to all SIP channels. Edit the following network related items:
 - bindaddr -- specifies the internal IP address of the media server host.
 - externip -- specifies the host's external IP address if the media server also has an assigned external IP address.
 - bindport -- specifies the port number for which the media server will be listening for SIP connections. The standard SIP port is 5060, this is set to 6060 by default. This

value should be the same as the SIP Server value provisioned for **Media Server Port** in the CollabraSuite BEA Edition Administration.

- localnet -- specifies which networks are local to the media server when the media server is available to clients on both internal and external networks. Entries are specified as a dotted decimal IP address and a subnet mask; for example, localnet=192.168.1.0/24. Multple local networks can be specified by using separate localnet lines in the configuration file.
- 4. Start the media server with:
 - % /sbin/service asterisk start
- 5. The SIP Server must be configured within CollabraSuite. Please see the **Administration Guide** for instructions to configure the SIP functionality within CollabraSuite.
- 6. Users must have a compatible soft phone installed and configured on their local machine. Please see the **User Guide** for instructions on soft phone configuration.

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