



# **BEA AquaLogic® Interaction Portlet Suite - Lotus Notes**

## **Installation and Upgrade Guide**



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# Welcome

AquaLogic Interaction Portlet Suite - Lotus Notes (Lotus Notes Portlets) provides integration between AquaLogic Interaction and Lotus Domino Server.

Lotus Notes Portlets include the following portlets:

- **Contacts:** Enables portal users to create, edit, view, search, and navigate Lotus Notes Address Books.
- **Calendar:** Provides daily, weekly, or monthly views of a Lotus Notes calendar and the functionality to create and edit appointments.
- **Mail:** Enables portal users to read, forward, delete, compose and reply to e-mails and memos.

This release provides localization support for the following languages: Chinese, English, French, German, Italian, Japanese, Korean, and Spanish.

This guide describes how to install and deploy AquaLogic Interaction Portlet Suite - Lotus Notes 3.4. It also provides instructions for upgrading and uninstalling.

# How to Use This Book

This guide has been designed to be a quick reference for users with installation experience, while also providing detailed instructions for users installing for the first time.

## Audience

This guide is written for the portal administrator who is responsible for managing portal infrastructure, including the installation and configuration of portlets that enable new services for portal users and groups.

If you are not already familiar with AquaLogic User Interaction, consider reading the *Deployment Guide for AquaLogic User Interaction* and the *Administrator Guide for AquaLogic Interaction* before proceeding with installation of this product.

The user installing this software should also have strong knowledge of the web and application servers required for installation.

## Organization

This guide includes the following chapters:

- This chapter provides information on how to use this guide and describes other resources available to help install, deploy, upgrade, and administer Lotus Notes Portlets.
- [Chapter 2, “Installation Prerequisites,”](#) provides hardware and software requirements, as well as environmental and third-party software prerequisites. You must read this chapter and meet the prerequisites prior to proceeding to the installation or upgrade.
- [Chapter 3, “Installing Lotus Notes Portlets,”](#) provides instructions for installing and configuring Lotus Notes Portlets.
- [Chapter 4, “Registering and Configuring Lotus Notes Portlets,”](#) provides instructions for registering the Lotus Notes Portlets in the portal.
- [Appendix A, “Troubleshooting Lotus Notes Portlets,”](#) provides information about troubleshooting Lotus Notes Portlets.
- [Appendix B, “Upgrading and Uninstalling Lotus Notes Portlets,”](#) provides instructions for uninstalling Lotus Notes Portlets.

## Terminology

AquaLogic User Interaction uses the term “Remote Server” to identify the Portlet Suite services in relation to intrinsic portal services. After you install the Portlet Suite software on a Remote Server host computer, the Portlet Suite services can be managed through the portal Administration tool as a Remote Server. For detailed information on managing a Remote Server in the AquaLogic Interaction portal, refer to the online help and the *Administrator Guide for AquaLogic Interaction*.

In some instances, the word “Gadget” appears in the user interface and documentation. “Gadget” is an earlier term for “portlet” and any references are intended to identify a portlet.

## Typographical Conventions

This book uses the following typographical conventions.

**Table 1-1 Typographical Conventions**

Convention	Typeface	Examples/Notes
<ul style="list-style-type: none"> <li>File names</li> <li>Folder names</li> <li>Screen elements</li> </ul>	<b>bold</b>	<ul style="list-style-type: none"> <li>Upload <b>Procedures.doc</b> to the portal.</li> <li>The log files are stored in the <b>logs</b> folder.</li> <li>To save your changes, click <b>Apply Changes</b>.</li> </ul>
<ul style="list-style-type: none"> <li>Text you enter</li> </ul>	computer	Type Marketing as the name of your community.
<ul style="list-style-type: none"> <li>Variables you enter</li> </ul>	computer with angle brackets (<>)	Enter the base URL for the Remote Server. For example, http://<my_computer>.
<ul style="list-style-type: none"> <li>New terms</li> <li>Emphasis</li> <li>Object example names</li> </ul>	<i>italic</i>	<ul style="list-style-type: none"> <li><i>Portlets</i> are Web tools embedded in your portal.</li> <li>The URI <i>must</i> be a unique number.</li> <li>The example Knowledge Directory displayed in Figure 5 shows the <i>Human Resources</i> folder.</li> </ul>

## BEA Documentation and Resources

This section describes other documentation and resources provided by BEA.

**Table 1-2 BEA Documentation and Resources**

Resource	Description
Release Notes	<p>These files are written for AquaLogic Interaction Portlet Suite - Lotus Notes administrators. They include information about new features and known issues in the release.</p> <p>They are available on <a href="http://edocs.bea.com">edocs.bea.com</a> and on the application CD.</p>
Online Help	<p>The online help is written for all levels of Lotus Notes Portlet users. It describes the user interface for Lotus Notes Portlets and gives detailed instructions for completing tasks in Lotus Notes Portlets.</p> <p>To access online help, click the help icon.</p>
Developer Guides, Articles, API Documentation, Blogs, Newsgroups, and Sample Code	<p>These resources are provided for developers on the BEA dev2dev site (<a href="http://dev2dev.bea.com">dev2dev.bea.com</a>). They describe how to build custom applications using AquaLogic User Interaction and how to customize AquaLogic User Interaction products and features.</p>
Deployment Guide	<p>This document is written for business analysts and system administrators. It describes how to plan your AquaLogic User Interaction deployment.</p> <p>It is available in electronic form (PDF) on <a href="http://edocs.bea.com">edocs.bea.com</a>.</p>



**Table 1-2 BEA Documentation and Resources**

Resource	Description
AquaLogic User Interaction Support Center	<p data-bbox="413 390 1233 564">The AquaLogic User Interaction Support Center is a comprehensive repository for technical information on AquaLogic User Interaction products. From the Support Center, you can access products and documentation, search knowledge base articles, read the latest news and information, participate in a support community, get training, and find tools to meet most of your AquaLogic User Interaction-related needs. The Support Center encompasses the following communities:</p> <p data-bbox="413 578 680 604"><b>Technical Support Center</b></p> <p data-bbox="413 618 1220 673">Submit and track support incidents and feature requests, search the knowledge base, access documentation, and download service packs and hotfixes.</p> <p data-bbox="413 687 536 713"><b>User Group</b></p> <p data-bbox="413 727 1224 753">Visit the User Group section to collaborate with peers and view upcoming meetings.</p> <p data-bbox="413 767 573 793"><b>Product Center</b></p> <p data-bbox="413 807 1210 862">Download products, read Release Notes, access recent product documentation, and view interoperability information.</p> <p data-bbox="413 876 595 902"><b>Developer Center</b></p> <p data-bbox="413 916 1233 972">Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev Newsgroups.</p> <p data-bbox="413 986 610 1012"><b>Education Services</b></p> <p data-bbox="413 1025 1184 1081">Find information about available training courses, purchase training credits, and register for upcoming classes.</p> <p data-bbox="413 1095 1184 1182">If you do not see the Support Center when you log in to <a href="http://support.plumtree.com">http://support.plumtree.com</a>, contact <a href="mailto:ALUISupport@bea.com">ALUISupport@bea.com</a> for the appropriate access privileges.</p>

**Table 1-2 BEA Documentation and Resources**

Resource	Description
dev2dev.bea.com	Download developer tools and documentation, get help with your development project, and interact with other developers via BEA's dev2dev Newsgroups.
Technical Support	<p>If you cannot resolve an issue using the above resources, BEA Technical Support is happy to assist. Our staff is available 24 hours a day, 7 days a week to handle all your technical support needs.</p> <p>E-mail: <a href="mailto:ALUISupport@bea.com">ALUISupport@bea.com</a></p> <p>Phone Numbers:</p> <p>U.S.A. +1 866.262.PLUM (7586) or +1 415.263.1696</p> <p>Europe +44 1494 559127</p> <p>France +33 1.46.91.86.79</p> <p>Australia/NZ +61 2.9923.4030</p> <p>Asia Pacific +61 2.9931.7822</p> <p>Singapore +1 800.1811.202</p>

# Installation Prerequisites

Before you run the AquaLogic Interaction Portlet Suite - Lotus Notes installer, complete the following steps:

1. Download the most up-to-date documentation from [edocs.bea.com](http://edocs.bea.com).
2. Read the release notes for additional information on compatibility issues, known problems, and workarounds that might affect how you proceed with your deployment. Release notes are located at the top-level directory of the product package.
3. Provision host computers for your deployment and install prerequisite software. For details, see “[Hardware and Software Requirements](#)” on page 2-2.
4. Configure the Lotus Domino Server. For details, see “[Configuring the Lotus Domino Server](#)” on page 2-3.

## Hardware and Software Requirements

**Note:** For the most up-to-date list of supported software for your deployment, refer to the Interoperability page in the AquaLogic User Interaction Support Center.

The following table summarizes the requirements for AquaLogic Interaction Portlet Suite - Lotus Notes. For the most current platform support information, refer to the Interoperability Matrix in Product Center.

**Caution:** IPv6 is not supported. Verify that IPv6 is not enabled prior to installing this product.

Component	Requirement
Lotus Notes Portlets Host Computer	<b>Hardware</b> 512 MB memory 128 MB disk space <b>Operating System</b> <ul style="list-style-type: none"> <li>• AIX 5.3 on POWER3, POWER4, POWER5</li> <li>• Microsoft Windows 2003 Server SP1 or R2, on x86</li> <li>• Red Hat Enterprise Linux 4 Update 3, on x86</li> <li>• Solaris 8, 9, and 10, on SPARC</li> <li>• SUSE Enterprise Linux 9, on x86</li> </ul>
Lotus Domino Server	Lotus Domino 6.5 and Lotus Notes Client 6.5.1; Lotus Domino 7.0 and Lotus Notes Client 7.0
Network	You must be able to configure communication between the Remote Server, AquaLogic Interaction, and the Lotus Domino Application Server. If the Lotus Domino Server is located on a computer outside of the portal and Remote Server domain, you must configure trust relations between domains.
Portal Software	AquaLogic Interaction 6.1 MP1
Client Browser	<ul style="list-style-type: none"> <li>• Firefox 1.5, 2.0</li> <li>• Internet Explorer 6.0, 7.0</li> <li>• Netscape 7.2, 8.0</li> <li>• Safari 2.0</li> </ul>

# Configuring the Lotus Domino Server

This section describes how to verify and modify the Lotus Domino Server configuration so it can receive remote calls from the Remote Server over HTTP and DIIOP.

1. Ensure that the server tasks Hypertext Transfer Protocol (HTTP) and Domino Internet Inter-ORB Protocol (DIIOP) are running.
  2. Ensure that the **notes.ini** file contains the following string:  
`ServerTasks=<any other tasks>, http, diiop`
  3. Use the Lotus Notes Administrative client to verify or modify the Lotus Domino Server configuration:
    - a. Click the **Configuration** tab. Under **Server**, select the relevant server document.
    - b. Click the **Security** tab of the server document. In the **Server Access** section, verify that Portlet Suite users are listed in the following locations:
      - In the **Access server** list, check **Server Access**
      - In the **Run unrestricted Java/Javascript/Com** list, check **Java/COM Restrictions**.
    - c. Click **Ports | Internet Ports | IIOp** and enable the **Name & Password** authentication option and confirm that **TCP/IP Port Status** is enabled.  
**Note:** Lotus Notes Portlets support only HTTP over SSL; they do not support DIIOP over SSL.
    - d. Save and close the server document.
    - e. On the **People & Groups** tab, verify that all users that connect to the Lotus Domino Server via the Browse the Portlets option have an Internet password.
- Note:** In order for attachments to work in Notes portlets, the Java application server service must have access to the share on the Domino server. You must grant access rights to the appropriate WebSphere or WebLogic user. To test your configuration, log in as the user and make sure you can access the share.

## Installation Prerequisites

# Installing Lotus Notes Portlets

This chapter describes how to install AquaLogic Interaction Portlet Suite - Lotus Notes. Before you begin, ensure that you have met the prerequisites for installation and performed the necessary pre-installation procedures described in [Chapter 2, “Installation Prerequisites.”](#)

This chapter provides detailed installation steps and instructions on how to start the Lotus Notes Portlets service and verify your deployment.

- [Installing Lotus Notes Portlets](#)
- [Starting the BEA ALI Portlet Suite for Lotus Notes Service](#)
- [Verifying Deployment](#)

## Installing Lotus Notes Portlets

Lotus Notes Portlets are implemented as a Remote Server in the context of the portal platform. Because mail processes utilize a great deal of host capacity, we recommend provisioning a host machine that is not a host for other AquaLogic User Interaction servers and has no other CPU or memory intensive processes.

To install product files:

1. Log in to the host computer using an administrator account that has access to the AquaLogic Interaction portal installation. Alternatively, log into any host using an administrator account that has access to the Remote Server host and the portal.
2. Map a connection to the top-level folder of the AquaLogic Interaction portal installation.
3. Copy the installation package to a location on the Remote Server host.
4. To launch the installer, click the **ALIPortletSuite-LotusNotes.exe** (Windows) / **ALIPortletSuite-LotusNotes** (Unix/Linux) file.
5. Complete the installation wizard pages as described in the following table.

**Note:** To facilitate any troubleshooting that might be required, as well as communication with IT staff and customer support, we recommend keeping the default settings.

**Table 3-1 Lotus Notes Portlets Installer Wizard Pages**

Wizard Page	Description
License Agreement	Read and accept the license agreement and click <b>Next</b> .
Choose Server Type	To install only files for the Portlet Suite, choose <b>Remote Server</b> . To install only files for the Image Server, choose <b>Image Service</b> . To install both sets of files, choose <b>Both</b> . (The wizard pages that follow are based on your selection.)
Choose Installation Folder	To accept the default, click <b>Next</b> .
Cryptography Key	Type a random string of ASCII alphabetic and numeric characters to be used to encrypt and decrypt a password.



**Table 3-1 Lotus Notes Portlets Installer Wizard Pages**

Wizard Page	Description
Specify Image Folder	<p>Click <b>Choose</b> and browse to and select the <b>imageserver</b> directory on the portal host computer. (This page only appears when installing Image Service files.)</p> <p><b>Note:</b> If you choose a different location to install Image Server files, you must copy the files from the <b>images\RemoteGadgets\groupwareui</b> and <b>ImageServer\css</b> subdirectories of the location you specify to the directory for the Image Server on the portal host. If the folders already exist on the portal Image Server, you must copy the files contained in these directories to the portal Image Server.</p>
ALI Portlet Suite - Lotus Notes Application Port	<p>Specify the port the Lotus Notes Portlets service should use to handle requests. Indicate whether it is HTTP or HTTPS.</p> <p><b>Note:</b> This page only appears when installing portlet files.</p>
Domino Server Version Selection	<p>Indicate the version of your Domino Server.</p> <p><b>Note:</b> This page only appears when installing portlet files.</p>
Pre-installation Summary	Verify the information in the page and click <b>Install</b> .
Install Complete	Click <b>Done</b> to close the installer.

## Starting the BEA ALI Portlet Suite for Lotus Notes Service

Follow the instructions below to start the Lotus Notes Portlets service.

### Windows

To start the service in Windows, use either the Control Panel or the command line:

- In Windows Control Panel, select **Administrative Tools**. Click **Services** to open the Service Control Manager. Start the **BEA ALI Portlet Suite for Lotus Notes** service.

- Or, type the following at the command line:

```
$ <install base>\PortletSuiteLotusNotes\3.4\bin\ptnotesd.bat start
```

To stop the service:

- From the Service Control Manager, stop the **BEA ALI Portlet Suite for Lotus Notes** service.
- From the command line, type the following:

```
$ <install base>\PortletSuiteLotusNotes\3.4\bin\ptnotesd.bat stop
```

### Unix or Linux

To start the service in Unix or Linux, type the following at the command line:

```
$ .<pt_home>/pthome.sh
```

```
$ sh <install base>/PortletSuiteLotusNotes/3.4/bin/ptnotesd.sh start
```

**Note:** If PT\_HOME is set to a directory other than /bea/alui, you must edit the script in the pthome.sh file to reference the correct PT\_HOME path.

To stop the service, type the following at the command line:

```
$ sh <install base>/PortletSuiteLotusNotes/3.4/bin/ptnotesd.sh stop
```

## Verifying Deployment

Run the provided diagnostic utility to verify connectivity among deployment components.

In a Web browser, type the URL for the Remote Server diagnostics utility, for example:

**http://<remoteserver>:<port>/notes/install.**

**Note:** The default port is 11952.

Use the diagnostic Web page to verify the following configuration elements:

- **PT\_HOME:** To verify that you have set PT\_HOME to enable communication among deployment components, click the **PT\_HOME** link and confirm your setting.
- **Backend Server:** To test connectivity to the Lotus Domino server, click **Verify Connection to Backend Server**, type the appropriate values, and click **Submit**. Verify the connectivity information that appears in the Test Results section.

If your installation and deployment are successful, follow the instructions in [Chapter 4, “Registering and Configuring Lotus Notes Portlets”](#) to register portlet services in the portal.

## Installing Lotus Notes Portlets

# Registering and Configuring Lotus Notes Portlets

After you have run the installation wizard and verified correct installation, you must register Lotus Notes Portlets in the portal. This chapter describes how to register and configure the portlets in the portal.

- [Registering Lotus Notes Portlets](#)
- [Configuring Portlet Services](#)
  - [Modifying Administrative Preferences](#)
  - [Enabling Basic Authentication](#)
  - [Enabling LDAP Authentication](#)
- [Localizing Portlet Objects](#)

## Registering Lotus Notes Portlets

To register Lotus Notes Portlets, import the portlet package:

1. Log in to the portal as an administrator and click **Administration**.
2. Click the **Select Utility** drop down menu and choose **Migration - Import**.
3. Click **Browse** and locate the **PortletSuite-LotusNotes.ptc** file, located by default in C:\bea\alui\PortletSuiteLotusNotes\3.4\portalfiles\packages\5.0\. Click **Open**.
4. Click **Load Package**.
5. Check the box next to **Overwrite Remote Servers**.
6. Click **Finish**.

## Configuring Portlet Services

After you have installed and registered the portlet suite, you must configure the services used to manage mail servers and the users and domains that they support. This section provides instructions for modifying the required Administrative Preferences and updating portlet settings to implement optional authentication features.

### Modifying Administrative Preferences

Administrative Preferences determine how portlet users are authenticated and how mail is handled. You must update the settings on the Administrative Preference pages to complete installation and setup.

1. Log in to the portal as an administrator and click **Administration**.
2. Navigate to the folder that was created for the Lotus Notes Portlets when you migrated the portlet package into the portal.
3. To display a list of portlet objects, click **Portlet**.
4. Click the name of one of the Notes portlets to open the Portlet Editor. The preferences you set for one portlet are inherited by all portlets in the suite.
5. On the **Main Settings** page, under **Web Service**, click the **Edit** button to open the Administrative Preferences page.

## Administrative Preferences Menus and Settings

Use the links in the menu column to display forms that allow you to modify settings. The following table summarizes the menu and the available settings. For detailed information about settings, click **Tips** on the Administrative Preferences page.

**Table 4-1 Lotus Notes Portlets Administrative Preferences Page Settings**

Menu	Settings
Portlet Information	Displays version information for the portlet and the Lotus Domino server.
Custom Editor Settings	Select whether clients use a portal or client Web interface to access mail.
Attachment Settings	Displays an editable path to the temporary file directory on the Remote Server and the maximum attachment size (in bytes). If an SSL client certificate is not installed on the Remote Server, the field can be left blank.
User Information Settings	<p>Displays options for user authentication:</p> <ul style="list-style-type: none"> <li>• <b>Portal Setting Authentication:</b> The portlet uses the User or Community preferences to connect to the backend server. For Community portlets (Calendar, Mail, or Contacts), you must select this option.</li> <li>• <b>Basic Authentication:</b> The portlet uses basic authentication for the Remote Server to connect to the backend server. For additional requirements, see <a href="#">Enabling Basic Authentication</a>.</li> <li>• <b>User Information Authentication:</b> The portlet uses values from an associated LDAP system. Specify the LDAP field name associated with the user name, password, domain, or mailbox. For additional requirements, see <a href="#">Enabling LDAP Authentication</a>.</li> </ul>
Authentication Settings	<p>Allows you to switch between Master and Manual Server configurations. In Master Server mode, the Master Server will be queried and the user's server name will be set automatically. In Manual Server mode, the user must choose their server from a list of available servers.</p> <p>For Master Server mode, you must provide values for the following fields:</p> <ul style="list-style-type: none"> <li>• <b>Server Name/IP/URL:</b> The fully qualified domain name, IP address or URL to the backend server.</li> <li>• <b>Server Port:</b> The listening port of the backend server.</li> <li>• <b>Proxy Host/Firewall:</b> The host name of the proxy host or firewall server.</li> <li>• <b>Proxy Host/Firewall Port:</b> The associated listening port number.</li> <li>• <b>Use SSL:</b> Whether or not the connection to the backend server uses SSL.</li> <li>• <b>HTTPS Port:</b> The port to use for the HTTPS connection to the server.</li> </ul>

**Table 4-1 Lotus Notes Portlets Administrative Preferences Page Settings**

Menu	Settings
Server List	<p>Displays the Lotus Domino servers that appear on the User Preferences page. (If the Administrative Preferences are set up with only one server, the Server List is not displayed on the User Preferences page.)</p> <p>Add each server in use in your deployment. To add a new server to the list, click + (add row). To delete a server, click - (delete row).</p> <ul style="list-style-type: none"> <li>• <b>Server Name/IP/URL:</b> The fully qualified domain name, IP address, or URL to the backend server (and virtual directory, if applicable), for example, <code>http://&lt;host&gt;/notes</code>. Do not type a trailing slash (/). If the URL is redirected, specify the ultimate location.</li> <li>• <b>Server Alias:</b> The server name to be displayed on the User Preferences page.</li> <li>• <b>Proxy Host/Firewall:</b> The server name or IP address for the Proxy Host/Firewall server.</li> <li>• <b>Proxy Host/Firewall Port:</b> The associated port number.</li> <li>• <b>Notes Server Temp Dir:</b> The local path to where the Domino Server temporarily stores attachment files.</li> <li>• <b>Notes Server Temp UNC:</b> The UNC path to where the Domino Server temporarily stores attachment files.</li> </ul>

## Enabling Basic Authentication

To enable Notes portlets to use basic authentication information from the portal:

1. On the Administrative Preference page, set the User Information Settings option to **Basic Authentication** as described in the previous section.
2. Open the Lotus Notes Portlets folder.
3. Expand the Remote Server section and click the Lotus Notes Portlets Remote Server.
4. On the Main Settings page of the Remote Server Editor, in the **Basic Authentication Type** section, select **User's Basic Authentication Info**.
5. If you deploy SSL, modify the Base URL for HTTPS protocol.
6. To save your changes, click **Finish**.

**Note:** The portal must be enabled for basic authentication. For information on configuring the portal, refer to the *Administrator Guide for AquaLogic Interaction*.



## Enabling LDAP Authentication

Follow the instructions below if you want Notes portlets to use LDAP authentication values from the portal.

1. On the Administrative Preference page, set the User Information Settings option to **User Information Authentication** as described in the previous section.
2. In the administrative portal folder that contains the Lotus Notes Portlets, click **Web Service** to display a list of Web Service objects.
3. Complete the following steps for each of the Lotus Notes Web Service objects:
  - a. Click the Web Service name to open the Web Service Editor.
  - b. In the **Edit Object Settings** menu, click **User Information**.
  - c. Select existing LDAP field settings in the **User Information Settings** section, or add field names by clicking **Add New User Information**.
  - d. To save your changes, click **Finish**.

## Localizing Portlet Objects

Lotus Notes Portlets include localization support for the following languages: Chinese, English, French, German, Italian, Japanese, Korean, and Spanish.

Localization support files allow names and descriptions of portlets and Remote Server objects to be localized when the portal settings locale is changed.

The installer copies localization support files to the following location on the Remote Server host computer: `<PT_HOME>\PortletSuiteLotusNotes\3.4\portalfiles\common\msgs\`.

To enable language support in the portal, copy these files to the appropriate directory on the Portal Server host, for example:

`<PT_HOME>\ptportal\6.1\settings\i18n\`

## Registering and Configuring Lotus Notes Portlets

# Troubleshooting Lotus Notes Portlets

The table on the following page summarizes cases in which users encountered unexpected results with the Lotus Notes Portlets. Use this table as a reference for troubleshooting any similar problems you might encounter.

Application logs for Lotus Notes Portlets are located in the following folder:

**<PT\_HOME>\PortletSuiteLotusNotes\3.4\settings\logs.**

Error	Solution
Port conflict, port in use, BindException	<p>Edit the HTTP and HTTPS settings in application.conf to set the value to an available port (&lt;PT_HOME&gt;/PortletSuiteLotusNotes/3.4/settings/config/application.conf). The service must be restarted to pick up changes made in the configuration file. Note that changes to a service port number require corresponding changes to any Web service or remote server settings that reference that port number.</p>
Memory consumption, Out of Memory Errors	<p>The maximum amount of memory (MB) that the service JVM will be allowed to use is controlled by the wrapper.java.maxmemory property, configured in the file  &lt;PT_HOME&gt;/PortletSuiteILotusNotes/3.4/settings/config/wrapper.conf.  For example, the following line shows a maximum memory setting of 1 GB:  wrapper.java.maxmemory=1024</p> <p>The setting corresponds directly to the -Xmx parameter used by the java executable. The default value of this setting in the config file is adequate for most configurations. For large production configurations, especially those in which the service is installed on a dedicated host machine, this value should be set as high as possible (for example, 1024 or 1536) but should always remain below the amount of physical RAM on the host machine.</p>

# Upgrading and Uninstalling Lotus Notes Portlets

This chapter describes how to upgrade or uninstall the components of your Lotus Notes Portal deployment. The process is different depending on your operating system.

- [Upgrading from a Previous Version](#)
- [Uninstalling from a Windows Host](#)
- [Uninstalling from a Unix or Linux Host](#)

## Upgrading from a Previous Version

If you are upgrading from a previous version, you do not need to complete the portal registration steps or the object configuration steps described in [Chapter 4, “Registering and Configuring Lotus Notes Portlets.”](#)

1. Back up the Lotus Notes server configuration file:  
`<PT_HOME>\PortletSuiteLotusNotes\<version>\settings\config\NOTESserverlist.`
2. If you have made customizations to the portlet properties files, back up the properties files.
3. Uninstall the application as described in the next sections, [Uninstalling from a Windows Host](#) or [Uninstalling from a Unix or Linux Host](#).

4. Install the latest version as described in [Chapter 3, “Installing Lotus Notes Portlets.”](#)
5. Restore any configuration and/or properties files you backed up in steps 1 and 2.
6. Restart the BEA ALI Portlet Suite for Lotus Notes Service.

## Uninstalling from a Windows Host

To uninstall software and remove services on a Windows host:

1. From the Windows Task Bar, click **Start | Settings | Control Panel**.
2. Double-click **Add/Remove Programs**.
3. From the list of currently installed programs, select **AquaLogic Interaction Portlet Suite for Lotus Notes** and click **Remove**.

Alternatively, you can execute the **Uninstall PortletSuiteLotusNotes.exe** file located in the following directory: `<PT_HOME>\uninstall\PortletSuiteLotusNotes\3.4`.

The uninstallation wizard will remove the software and service configuration information.

## Uninstalling from a Unix or Linux Host

To uninstall software and remove services on a Unix or Linux host:

1. To uninstall the Remote Server, log in to the Remote Server host computer and execute the command  
`<PT_HOME>/PortletSuiteLotusNotes/3.4/uninstall/Uninstall_PortletSuiteLotusNotes.`
2. Click **Done** to close the uninstallation wizard.

**Note:** The uninstallation wizard removes the `<PT_HOME>` install directory and all its subdirectories and contents. If there are files residing in these directories that were not installed by the installer, they will not be deleted.

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