



QUICKSTART INSTALLATION GUIDE FOR

PLUMTREE PUBLISHER 6.2

Plumtree Publisher 6.2
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I. INTRODUCTION

INSTALLING PUBLISHER ON WINDOWS, UNIX AND LINUX

This guide provides instructions for a rapid implementation of Plumtree Publisher 6.2. If you are upgrading from a previous version of Publisher, refer to the Quick Start Upgrade Guide. In addition to this guide, Plumtree provides the following additional manuals:

- *Administration Guide for Plumtree Publisher 6.2*
- *Plumtree Publisher Templating Language Specification*
- *Installation and Upgrade Guide for Plumtree Publisher 6.2*

2. PLANNING YOUR INITIAL INSTALLATION

HARDWARE AND SOFTWARE REQUIREMENTS

The following table summarizes the hardware, operating system, and software requirements for Plumtree Publisher 6.2.

IMPORTANT: IPv6 is not supported. You should verify that IPv6 is not enabled prior to installing this product.

Component	Requirement
Publisher Host Computer	<p>Hardware</p> <ul style="list-style-type: none"> • Dual 1.8 GHz or higher, with 2MB L2 cache • 1 GB memory • 40 GB disk space <p>Operating System</p> <ul style="list-style-type: none"> • Windows 2003 Server SP 1 • Red Hat Enterprise Linux 3 Update 3 (ES & AS), on x86 • SUSE Linux 9, on x86 • AIX 5.3 on POWER3, POWER4, POWER6 • Solaris 8 and 9, on SPARC
Database Server Host Computer	<p>Software</p> <ul style="list-style-type: none"> • Microsoft SQL Server 2000 SP3a (Windows installations of Publisher only.) • Oracle 9i in default or Oracle RAC configuration. • Oracle 10g in default or Oracle RAC configuration.
Portal Compatibility	<p>This release of the Plumtree Publisher is compatible with the Plumtree Foundation 6.0. For an up-to-date list of supported versions, refer to the Interoperability page in the Support Center.</p>

3. QUICKSTART INSTALLATION

This section describes how to install all the necessary Plumtree Publisher components. These components include:

- Publisher and Workflow Databases
- Publisher
- Workflow Service
- Image Service files

The steps below describe an install in which all files are deployed on a single machine. Publisher and Workflow are automatically installed on the same machine, and the installer does not allow you to install only one or the other. You can modify the steps below for the case in which Publisher / Workflow and the Image Service are deployed on separate machines.

STEP I: PREPARING TO INSTALL

This guide makes the following assumptions:

- All components of the installer will run on the same computer. If your Image Service is separate from your Publisher host, then you will need to run the installer on the Image Service to install the Image Service files.
- The fully qualified domain name will be used in the host name and URLs below.

In the course of installing the Plumtree Foundation 6.0, you will have determined configuration information about your database deployment (Oracle or MS SQL Server) and Portal components such as the location of the Image Service, Search Service, and Document Repository Service. Answer the following configuration questions **based on the Plumtree Foundation 6.0 installation that you have already completed**:

Table 1: Configuration Information from your 6.0 Install

Questions	Answer
For Oracle	
What host is your Oracle server on?	E.g.: dbhost.mycompany.com
What port is your Oracle server on?	E.g.: 1521
What is the ORACLE_HOME on your database machine?	E.g.: /opt/plumtree
What is your ORACLE_SID?	E.g.: PLUM
What is the schema username and password for the Portal database?	E.g.: plumdbuser / plumtree
For SQL Server	
What host is your SQL Server db on?	E.g.: dbhost.mycompany.com
What port is your SQL Server db on?	E.g.: 1433

QUICKSTART INSTALLATION - STEP 1: PREPARING TO INSTALL

What is the database name for the Portal database?	E.g. plumdb
What is the database username and password for the Portal database?	E.g. plumdbuser / plumtree
What is the Imageserver URL?	E.g.: http://dev01.mycorp.com/imageserver (Windows) /opt/plumtree/ptimages (Linux)
What host and port do the Search Service run on?	E.g.: searchhost.mycompany.com, port 15244
What host and port do the Document Repository Service run on?	E.g.: doc-repository.mycompany.com, port 8020

Next you must determine database configuration information for Publisher and Workflow Service, each of which require their own database.

Table 2: Configuration Questions to answer for Publisher

Questions	Answer (Oracle)	Answer (SQL Server)
What name will you use for the Publisher database?	E.g.: ptcldb	E.g. ptcldb
What name will you use for the Workflow Service database?	E.g.: workflowdb	E.g workflowdb
What port number will the Publisher / Workflow Service reside on?	E.g.: 7087	E.g. 7087

STEP 2: RUN THE PUBLISHER INSTALLER

1. Log in as local administrator on the machine on which you will be doing the install.
2. Run the installer from the distribution appropriate for the OS you are using.
Windows: PlumtreePublisher_v6-2.exe
Linux and UNIX: PlumtreePublisher_v6-2
Note: The following numbered items correspond directly to panels in the installer. Where relevant, the instructions below list example entries that are consistent with the example configuration data from STEP 2: PREPARING TO INSTALL. Unless otherwise noted, at the end of each numbered item, click **Next**.
3. On the Introduction panel, click **Next**.
4. On the License Agreement panel, accept the agreement.
5. The Choose Components panel prompts you to choose Publisher or Image Service files. You can deploy the Publisher and Image Service files separately in a custom installation.
6. Choose full configuration.
Note: The “published content configuration” is an advanced option specifically designed to add redundancy to published content. It should only be considered *after* you have completed a successful installation of the full configuration. You can find additional details about the published content configuration in the *Installation and Upgrade Guide for Plumtree Publisher 6.2..*
7. On the Installation Folder panel, enter the location in which you wish to install Publisher or accept the default location.
Example:
Windows: C:\Program Files\Plumtree
Linux and UNIX: /opt/plumtree
8. The Application Host and Port consists of the fully qualified domain name and port number that the Publisher and Workflow Web components will use to handle requests.
Example host: contentserver.mycompany.com
Default port: 7087
http or https: http

9. On the Publisher Database panel, specify if the Portal uses SQL Server or Oracle.
Note: This is not a panel in Linux or UNIX.

10. On the Publisher Database Connection Information panel, specify the connection information for the database and user.

Example: SQL Server

Content Database Computer	contentserverdb.mycompany.com
Content Database Port	1433
Content Database Name	ptcsdb
Content Database Login	ptcsdbuser
Content Database Password	plumtree

Example: Oracle

Content Database Computer	contentserverdb.mycompany.com
Content Database Port	1521
Content Database Service Name	PLUM
Content Database Name	ptcsdb
Content Database Login	ptcsdbuser
Content Database Password	plumtree

11. On the Workflow Service Database panel, specify if the Portal uses SQL Server or Oracle.
Note: This is not a panel in Linux or UNIX.

12. On the Workflow Service Database Connection Information panel, specify the connection information for the Workflow Service database.

Example: SQL Server

Workflow Database Computer	contentserverwfdb.mycompany.com
Workflow Database Port	1433
Workflow Database Name	workflowdb
Workflow Database Login	ptwfdbuser
Workflow Database Password	plumtree

Example: Oracle

Workflow Database Computer	contentserverwfdb.mycompany.com
Workflow Database Port	1521
Workflow Database Service Name	PLUM
Workflow Database Name	workflowdb
Workflow Database Login	ptwfdbuser
Workflow Database Password	plumtree

13. On the Portal Server Database panel, specify if the Portal uses SQL Server or Oracle.

Note: This is not a panel in Linux or UNIX.

14. On the Portal Database Connection Information panel, specify connection information for the Oracle or SQL Server database from your Portal 5.0.x configuration information.

Example: SQL Server

Portal Database Computer	contentserverpdb.mycompany.com
Portal Database Port	1433
Portal Database Name	plumdb
Portal Database Login	plumdbuser
Portal Database Password	plumtree

Example: Oracle

Portal Database Host	contentserverpdb.mycompany.com
Portal Database Port	1521
Portal Database Name	plumdb
Portal Database Login	plumdbuser
Portal Database Password	plumtree

QUICKSTART INSTALLATION - STEP 3: REBOOT YOUR MACHINE

15. Enter the Image Service information. If you chose not to install the Image Service on this host, you will not see this panel.
Windows: C:\Program files\plumtree\ptimages
Linux and UNIX: /opt/plumtree/ptimages
Note: Plumtree is the default for Linux and UNIX, and ptimages is the location of your Image Service.
16. Choose the URL and folder for published content. If you choose “Use Defaults,” the Published Content URL and folders will be as follows:
Published Content URL: http://<computer_name>:<port>/publishedcontent
Windows Published Content Folder: C:\Program files\plumtree\ptcs\publishedcontent
Linux and UNIX Published Content Folder: /opt/plumtree/ptcs/publishedcontent
17. If you chose the Use Custom Configuration option from the previous panel (Step 20) you will be asked to enter the URL and folder for your published content. Otherwise, this panel is skipped.
18. Enter the fully qualified domain name and port number for the Portal Document Repository Service.
Example host: doc-repository.mycompany.com
Default port: 8020
19. Enter the fully qualified domain name and port number for the Search Service.
Example host: searchhost.mycompany.com
Default port: 15244
20. On the SMTP Mail Server Information panel, enter the name of the SMTP Server that will be used for notification emails for Workflow assignments, and the email address of an administrator.
Example: mail.mycorp.com, portaladmin@mycorp.com
21. Specify the authentication ID and password for the Portal Server to use when it connects to the Publisher.
Default Authentication ID: authenticationid
Note: You will need this ID and password to configure Publisher.
22. Choose a default language, and click **Next**.
23. On the Pre-Installation Summary panel, begin installation by clicking **Install**.
24. Re-run the installer on your Image Service if necessary.

STEP 3: REBOOT YOUR MACHINE

When the installer prompts you, reboot the machine. If you do not reboot, certain PATH environment variable changes might not take effect, and you will get errors when you try to deploy and/or start the applications.

Note: You do not need to reboot a Linux or UNIX machine.

STEP 4: CREATE THE SCHEMA USERS AND TABLES

Just as you created an Oracle schema user or SQL Server database and user for the Portal 6.0 database, you must create users / databases for Publisher AND Workflow Service. Although the actual schema user names and passwords are arbitrary, they must be consistent with the information you entered in STEP 3: RUN THE PUBLISHER INSTALLER. In the instructions below we will use the names ptcsdb and wfdb and password plumtree for concreteness. Refer to the

QUICKSTART INSTALLATION - STEP 5: IMPORT THE PUBLISHER.PTE MIGRATION PACKAGE

Installation and Upgrade Guide for Plumtree Publisher 6.2 for detailed information on creating databases and users.

MS SQL Server

1. Create a Publisher database and corresponding user / password with SQL Server authentication using Enterprise Manager. Make the user **dbowner** of the database. Make the database the default database for the user.
2. Create a Workflow Service database and corresponding user with password with SQL Server authentication using Enterprise Manager. Make the user **dbowner** of the database. Make the database the default database for the user.
3. Create the Workflow schema:
 - a. Open Query Analyzer and connect to the Workflow database as the user you created above.
 - b. Execute the script **ptworkflow\6.2\sql\mssql\create_schema.sql**.

Oracle

1. Create a Publisher database and corresponding user with password with Oracle Enterprise Manager.
2. Create a Workflow Service database and corresponding user / password with Oracle Enterprise Manager.
3. On the host computer for the Publisher database, open the Oracle Enterprise Manager Console.
4. Open the SQL*Plus Worksheet utility.
5. Log into the Workflow database instance as the Workflow Service database user.
6. Execute the script **ptworkflow\6.2\sql\oracle9.2\create_schema.sql** or **ptworkflow\6.2\sql\oracle10\create_schema.sql**.

Note: Publisher will create its tables when it starts up for the first time; no separate SQL script is required.

STEP 5: IMPORT THE PUBLISHER.PTE MIGRATION PACKAGE

Importing the **publisher.pte** file will create portal objects such as web services, content sources, and intrinsic portlets used by Publisher.

To migrate the Publisher .pte file:

1. Log into the Administrator Portal.
2. From the **Select Utility** drop-down choose **Migration - Import**.
3. Click Browse and locate the **publisher.pte** file in **<install root>\ptcs\6.2\serverpackages**. Click
4. Open.
5. Click **Load Package**.
6. Check the box next to **Overwrite Remote Servers**.
7. Click **Finish**.

STEP 6: START PUBLISHER

Make sure the Search and Document Repository Service Services are running before you start Publisher.

For Windows:

From the Service Control Manager, Start NT Service, Plumtree Publisher / Workflow Service.

Or, from the command line, run

```
$ <PT_HOME>\ptcs\6.2\bin\service.bat start
```

For Linux and UNIX:

From the command line, run

```
$ <PT_HOME>/ptcs/6.2/bin/service.sh start
```

In a browser, access the Publisher diagnostics page:

```
http://<host>:<port>/ptcs/console/index.jsp
```

For example,

<http://dev01.plumtree.com:7087/ptcs/console/index.jsp>

Use the authentication ID and password you created in Step 19 in STEP 2: RUN THE PUBLISHER INSTALLER. You should see no errors if no configuration problems exist and all supporting services (Search, Document Repository Service) are running.

You can also access the Workflow Service diagnostics page:

```
http://<host>:<port>/wfconsole
```

For example,

<http://dev01.plumtree.com:7087/wfconsole>

For debugging / troubleshooting purposes, you can start the Publisher / Workflow Service as a console program rather than in the background, so that startup messages and any errors appear directly in the console:

Windows:

From the command line, run

```
$ <PT_HOME>\ptcs\6.2\bin\service.bat console
```

Linux and UNIX:

From the command line, run

```
$ <PT_HOME>/ptcs/6.2/bin/service.sh console
```

On both Windows, Linux and UNIX, the console mode can be terminated by typing Ctrl-C in the console window.

To stop the Publisher / Workflow Service:

For Windows: From the Service Control Manager, stop the Plumtree Publisher / Workflow Service.

Or, from the command line, run

```
$ <PT_HOME>\ptcs\6.2\bin\service.bat stop
```

For Linux and UNIX:

From the command line, run

```
$ <PT_HOME>/ptcs/6.2/bin/service.sh stop
```

STEP 7: IMPORT THE PUBLISHED_CONTENT_PORTLETS MIGRATION PACKAGE

Important – Publisher must be running before importing this package.

The Published_Content_Portlets Migration Package contains the default portlet templates such as News, Community Directory, Announcement, Header, Footer, and Content Canvas.

To import the published content portlets migration package:

1. Log into the Administrator Portal.
2. From the Select Utility drop-down choose Migration - Import.
3. Click **Browse** and locate the **published_content_portlets.ptc** file in **<install root>\ptcs\6.2\serverpackages**. Click **Open**.
4. Click **Load Package**.
5. Click **Finish**.