Windchill 12.0 Standard Base Installation Procedure

Version: 12.0.0.3

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| **Prerequisite: Install Media – Java (Corretto)**  Download from:  [Ja va 8](https://docs.aws.amazon.com/corretto/latest/corretto-8-ug/downloads-list.html)  [Java 11](https://docs.aws.amazon.com/corretto/latest/corretto-11-ug/downloads-list.html) |
| **Prerequisite: Install Media - Windchill**  Download from  [PTC Software Downloads](https://support.ptc.com/appserver/auth/it/esd/index.jsp)    Note: See separate supplemental install documents for additional modules including PartsLink, Index search client & server, etc.   |  | | --- | | From 12.0 PDMLink: | | From 12.0 ProjectLink: | | From 11.2 PDMLink – ref [CS326880](https://www.ptc.com/en/support/article/CS326880?&language=en&posno=1&q=download%20directory%20server&DocumentType=Article&source=search): |   Important note: The Critical Patch Sets Bundles zip file needs to be [unblocked](https://docs.microsoft.com/en-us/powershell/module/microsoft.powershell.utility/unblock-file?view=powershell-7) prior to extracting. Can be done via Properties or command. The other zip files are extracted by the solution installer and do not require unblocking.    Extract only this zip file (extraction of all other zip files is done by the installer):    Copied to server ready to install  Note: PSI and CPS Bundle folders renamed with underscore to bring to the top (convenience). PSI used only until CPS available. |
| **Prerequisite: Install Media – MS Office (Required for Windchill Publishing)**  Install only from Software Center, only Word and Excel, 32 bit |
| **Installation – Java**  Use Admin command window. Install in the sequence shown.    Default path    Required path - create needed folders. **Must have no spaces in path.**    Result      Default path    Required path    Result          Important: Edit the installed paths as shown and update env variables to match. This allows updating Java for existing Windchill installation without manual edits. Ref [CS23639](https://www.ptc.com/en/support/article/CS23639?&language=en&posno=3&q=java%20update&DocumentType=Article&Product=Windchill%20PDMLink&source=search)      Path env var:    Verify using a new command window by typing **java**, then **set java\_home** |
| **Prerequisite: Oracle database access**  Verify that a connection can be created and used in SQL Developer, using the username / password / SID provided by Oracle DBA |
| **Windchill Installation**   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **Variable** | **Value - Production** | **Training** | **OQ** | **Test** | **DV1** | **DV2** | | Web Server DNS Registered Host Name | windchilltobepd.edwards.com | Windchilltr.edwards.com | Windchilloq.edwards.com | Windchillts.edwards.com |  |  | | Oracle DNS Registered Host Name | awor-pdpdmlords1.am.edwards.com |  |  |  |  |  | | Global Database Name (SID) or Service Name | windprd | Winddev | Winddev | Winddev | Windev | windev | | User Name | pdmlink | Pdmlinktr | Pdmlinkoq | pdmlinkts |  |  | | LDAP Server DNS Registered Host Name | windchilltobepd.edwards.com |  |  |  |  |  | | Web Application Context Root | Windchill |  |  |  |  |  | | Initial Organization Name | Edwards |  |  |  |  |  | | Organization Internet Domain Name | edwards.com |  |  |  |  |  |   Admin command window. Launch from solution installer within CPS.  Note: Need to launch a new command window since the Java env variables were changed.      Select only :    Summary      Database and user already need to be created and password provided (prerequisite). Select to Use Existing.    Accept default    Default path / required path    Java paths selected (both 8 and 11 are required)      Accept defaults    Multi language - Spanish        password for now: manager  Replace o=ptc with o=Edwards 4 places  Authorized user needs to obtain license          Password for wcadmin now: wcadmin    Set staging area here.    Extract all required install media CDs  Install  Results |
| **Preserve Initial Installation**  Note: This is optional procedure depending on the system that you are working on. E.g. DEV may need frequent backups and restore.   * Export Oracle DMP (request to DBA); name “as installed + <date>” example: as\_installed2020Oct05.DMP * Export ldif; store in location shown; name “as installed + <date>” example: as\_installed2020Oct05.ldif * Copy /ptc folder (except WHC) folder name: **Windchill\_12.0\_as\_installed** |
| **Key Post-Install Actions that Are Considered Part of Base Installation to identify system**  Custom banner to identify system  (edit codebase\netmarkets\jsp\util\banner\_custom.jspf)  Customize email to identify the server once the email server is connected  (edit Windchill\tasks\wt\mail\SendMail.xml) |

**APPENDIX: Installation Parameters for Reference**

**Installation Overview**

**Installation Name:** PTC Installation 1

**New Installation**

Windchill PDMLink

Windchill ProjectLink

- Windchill Common Base

- Windchill Multi-language Pack

**Installing To:** D:\ptc\Windchill\_12.0\Windchill

**Disk Space Required:** 6.16 GB

**Java Development Kit (JDK)**

**Configuring to Existing Installation:** D:\ptc\Java\jdk11.0

**HTTP Server**

**Installing To:** D:\ptc\Windchill\_12.0\HTTPServer

**Disk Space Required:** 146 MB

**Windchill Directory Server**

**Installing To:** D:\ptc\Windchill\_12.0\WindchillDS

**Disk Space Required:** 483 MB

**Windchill Service Pack**

**Updating the following products to 12.0 F000-CPS03:**

Windchill Info\*Engine

Windchill Services

Windchill Common Base

Windchill PDMLink

Windchill ProjectLink

Windchill Multi-language Pack

**Base Installation Directory:**

D:\ptc\Windchill\_12.0\

**Shortcut Folder**

C:\Users\Public\Desktop

**Disk Space Summary of Volume (D:):**

Required: 6.82 GB

Available: 125.62 GB

**Data Loader Settings**

**Create database schema**

Yes

**Load base data**

Yes

**Load demo data**

No

**Web Server and Servlet Engine Settings**

**Web Server DNS Registered Host Name:**

windchilltobepd.edwards.com

**HTTP Port Number:**

80

**HTTPS Port Number:**

443

**Servlet Engine Web Server Listener Port Number:**

8010

**Servlet Engine DNS Registered Host Name:**

localhost

**Language Settings**

**Base Data Language:**

English

**Display Languages:**

Spanish

**Database Settings**

**Multibyte character set storage is required for multibyte languages.**

Enable multibyte character set storage

**Oracle DNS Registered Host Name:**

awor-pdpdmlords1.am.edwards.lcl

**Database Listener Port Number:**

1521

**Global Database Name (SID) or Service Name:**

windprd

**User Name**

pdmlink

**LDAP Server Settings**

**LDAP Server DNS Registered Host Name:**

windchilltobepd.edwards.com

**LDAP Server Port Number:**

389

**LDAP Server Administrator Distinguished Name:**

cn=Manager

**LDAP Base DN:**

o=edwards

**LDAP Server Administration Port:**

4444

**LDAP Server JMX Access Port Number:**

1689

**Base Distinguished Name for Product Properties:**

cn=configuration,cn=Windchill\_12.0,o=edwards

**Base Distinguished Name for Administrative Users:**

ou=people,cn=AdministrativeLdap,cn=Windchill\_12.0,o=edwards

**Base Distinguished Name for Enterprise Users:**

ou=people,cn=EnterpriseLdap,cn=Windchill\_12.0,o=edwards

**Enable Separate Enterprise LDAP Server**

No

**JNDI Adapter Settings**

**Enterprise Repository LDAP Server Host Name:**

windchilltobepd.edwards.com

**Enterprise Repository LDAP Server Port:**

389

**Enterprise Adapter Name**

com.edwards.EnterpriseLdap

**LDAP Connection**

Bind as User

**Enterprise Repository LDAP User Distinguished Name:**

cn=Manager

**Windchill Privileges for Repository**

Read, Write

**LDAP Service**

Other V3 Compliant LDAP

**Repository Contains**

Users

**Core Product Settings**

**Select whether object identity should be unique per Organization or across the entire Site**

Organization

**Site Administrator:**

Create New

**Configure Licensing later**

Configure Licensing later

**Import Windchill License**

Retrieve license online

**Site Administrator User Name**

wcadmin

**Select the Repository Where the Site Administrator is Stored:**

Administrative

**Web Application Context Root:**

Windchill

**Info\*Engine Server Task Processor Port Number:**

10002

**Initial Organization Name:**

Edwards

**Organization Internet Domain Name:**

edwards.com

**Windchill Performance Advisor**

**Enable Windchill Performance Advisor**

No

END OF BASE INSTALLATION