



**Installation Guide**

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# **Sybase SAP DOE Connector 2.1**

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# Contents

<b>CHAPTER 1: Installation Task Flows .....</b>	<b>1</b>
<b>CHAPTER 2: Planning Your Installation .....</b>	<b>3</b>
System Requirements .....	3
Installation Prerequisites .....	3
<b>CHAPTER 3: Installing Sybase SAP DOE Connector .....</b>	<b>5</b>
Starting and Stopping Unwired Platform Server Services .....	7
<b>CHAPTER 4: Reviewing the Installation .....</b>	<b>9</b>
<b>CHAPTER 5: Uninstalling .....</b>	<b>11</b>
<b>CHAPTER 6: Reinstalling .....</b>	<b>13</b>
<b>CHAPTER 7: Obtaining Help and Additional Information .....</b>	<b>15</b>
<b>APPENDIX A: ESDMA Converter Reference .....</b>	<b>17</b>
esdma-converter Command .....	17
<b>APPENDIX B: codegen.bat Reference .....</b>	<b>19</b>

**codegen.bat Command .....19**

**APPENDIX C: SAP DOE Connector Command Line**

**Utility .....21**

**Starting the Command Line Utility Console .....21**

**Running Commands in Batch Mode .....21**

Creating an XML File to Run Commands in Batch

Mode .....22

Running the Command Line Utility in Batch Mode .....22

Using the Silent Option .....23

**Command Summary .....23**

**Console Management Commands .....27**

login Command .....27

exit Command .....27

help Command .....28

Aborting Commands .....28

**Package Management Commands .....28**

deploy Command .....29

getPackages Command .....29

setEndpointProperties Command .....30

getEndpointProperties Command .....31

testEndpoint Command .....32

setPackageSecurityConfiguration Command .....32

setPackageLogLevel Command .....33

getPackageLogLevel Command .....34

removePackages Command .....34

**Subscription Management Commands .....35**

getSubscriptions Command .....35

getSubscriptions2 Command .....36

setSubscriptionsLogLevel Command .....37

getSubscriptionsLogLevel Command .....38

suspendSubscriptions Command .....39

resumeSubscriptions Command .....39

resyncSubscriptions Command .....40

endSubscriptions Command .....	41
Index .....	43

# Contents

# CHAPTER 1      **Installation Task Flows**

These task flows describe how to install Sybase® SAP® DOE Connector.

After completing this task flow, you can install a Sybase product that requires Sybase SAP DOE Connector.

## *Upgrading an Earlier Version*

If you currently have Sybase SAP DOE Connector installed with Sybase Unwired Platform version 2.0, the Sybase Unwired Platform version 2.1 installer will upgrade Sybase SAP DOE Connector at the same time you upgrade Unwired Platform.

If you install Sybase Unwired Platform version 2.1 as a first-time installation, follow the appropriate task flow below to add Sybase SAP DOE Connector.

## *Installing First Time on a Single Server*

1. Review system requirements. See *System Requirements* on page 3 and *Installation Prerequisites* on page 3.
2. Install Sybase Unwired Platform version 2.1. See *Sybase Unwired Platform Installation Guide for Runtime*.
3. Install Sybase SAP DOE Connector version 2.1. See *Chapter 3, Installing Sybase SAP DOE Connector* on page 5.

## *Installing First Time in a Cluster*

1. Review system requirements. See *System Requirements* on page 3 and *Installation Prerequisites* on page 3.
2. Install Sybase Unwired Platform version 2.1 on all servers in the cluster. See *Sybase Unwired Platform Installation Guide > Getting Started*.
3. Stop all Unwired Platform services running on all servers in the cluster. You do not need to stop the data tier if it is running on its own host. See *Starting and Stopping Unwired Platform Server Services* on page 7.

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**Note:** Once Unwired Platform services are stopped on all servers, do not restart them on a server until you have completed installation of Sybase SAP DOE Connector on that server.

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4. Install Sybase SAP DOE Connector version 2.1 on the primary node. See *Chapter 3, Installing Sybase SAP DOE Connector* on page 5.
5. Install Sybase SAP DOE Connector version 2.1 on an additional node. See *Chapter 3, Installing Sybase SAP DOE Connector* on page 5.
6. Restart Unwired Platform services on the additional node. See *Starting and Stopping Unwired Platform Server Services* on page 7.

## CHAPTER 1: Installation Task Flows

7. Repeat steps 5 and 6 until you have installed Sybase SAP DOE Connector version 2.1 on all the server nodes in the cluster.
8. Restart Unwired Platform services on the primary node. See *Starting and Stopping Unwired Platform Server Services* on page 7.



## CHAPTER 2 Planning Your Installation

Before you install, plan your environment. View the Release Bulletin for the latest information on system requirements and patches.

1. Make sure your system meets all the requirements for your installation scenario.
2. Install the prerequisites.

### System Requirements

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Make sure your system meets all requirements before you install. See the Release Bulletin for the most current information about required system patches.

For system and disk space requirements for Sybase Unwired Platform, including Unwired Server, and relay server, see the *Sybase Unwired Platform Installation Guide*.

**Table 1. Disk space requirements**

Component	Required disk space
Sybase SAP DOE Connector application	104MB (on each node in a cluster)

### Installation Prerequisites

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Install the required prerequisites for Sybase SAP DOE Connector before launching the installer.

Before you can install Sybase SAP DOE Connector, you must install Sybase Unwired Platform. Install Sybase SAP DOE Connector on the same machine (single server) or all server nodes (cluster) where you installed the Unwired Server component of Sybase Unwired Platform.

**Table 2. Sybase SAP DOE Connector prerequisites**

Product	Version	Description
Sybase Unwired Platform	2.1	Install Sybase Unwired Platform from the Sybase Unwired Platform installation media, from a Web download, or from an image on the network.

## CHAPTER 2: Planning Your Installation

# Installing Sybase SAP DOE Connector

Install Sybase SAP DOE Connector on the same machine (single server) or all server nodes (cluster) where you installed the Unwired Server component of Sybase Unwired Platform.

## Prerequisites

- Install Sybase Unwired Platform.
- Shut down Unwired Platform server services. See *Starting and Stopping Unwired Platform Server Services* on page 7.  
In a cluster, with the data tier installed on separate host(s), it is not necessary to shut down the data tier.
- Shut down all other Sybase products, Sybase processes, and associated third-party processes that are currently running, including database servers and Sybase Control Center.
- If you are installing in a cluster:
  - Install Sybase SAP DOE Connector on the primary server node first.
  - Do not restart Unwired Platform server services on any server node before installing Sybase SAP DOE Connector on the node.
- Verify that these services are stopped:
  - Sybase Unwired Server
  - Sybase Control Center *X.X*
  - Sybase Unwired SampleDB (Not applicable to Enterprise Server licensed product edition)
  - If the data tier and Unwired Server are installed on the same machine:
    - Sybase Unwired CacheDB
    - Sybase Unwired ClusterDB
    - Sybase Unwired LogDataDB
    - Advantage Database Server®
- Verify that you are logged in with administrative rights.

## Task

Sybase SAP DOE Connector is installed in the Sybase Unwired Platform installation directory, `<UnwiredPlatform_InstallDir>`. The installer adds two directories there: `<UnwiredPlatform_InstallDir>\Servers\UnwiredServer\doe-c_clu` and `<UnwiredPlatform_InstallDir>\Servers\UnwiredServer\doecSvlet`.

## CHAPTER 3: Installing Sybase SAP DOE Connector

1. Start the Sybase SAP DOE Connector installer using one of these methods:
  - Insert the installation media.
  - Install from a Web download. Extract the archive file to a temporary directory on a local disk, not a shared drive.
  - Install from an image on the network. You must access the installation image from a mapped drive, not a UNC path.
  - a) If you are installing from installation media, the installer should start automatically after you insert the media in a drive.
  - b) If you are installing from a temporary directory, or if the installer fails to start automatically from the installation media, browse to the location of the `setup.exe` file on the installation media or in the temporary directory, then double-click the `setup.exe` file and click **OK**.
2. On the installer welcome page, click **Next**.
3. Accept the terms of the license agreement.
  - a) Select the appropriate geographic location and read the license agreement.
  - b) Click **I Do Agree to the Terms of the Sybase License, for the Install Location Specified**, then click **Next**.
4. If you are installing on a cluster node, on the Windows account page enter the user name and password for a Windows account with administrator privileges on the server where you are installing DOE-C.

Confirm the password entry by re-entering it in the third field.
5. Click **Install**.
6. Click **Finish** when you see a message saying that installation completed successfully.

Once installed, Sybase SAP DOE Connector services start automatically when you start the Sybase Unwired Server and stop automatically when you stop that server.

### Next

- For instructions on installing a Sybase product that uses the Sybase SAP DOE Connector, see the *Installation Guide* for that product.
- Before you attempt to deploy a package, set up the security configuration in Sybase Control Center for that package to use. See Sybase Control Center > Administer > Security Configurations.

## **Starting and Stopping Unwired Platform Server Services**

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You must start Unwired Platform server services before you can access Unwired Server from Sybase Control Center or Sybase Unwired WorkSpace. Sometimes you must stop these services to install, uninstall, or upgrade related software.

Sybase recommends that you use the manual option to start and stop Sybase Unwired Platform services only for debugging and troubleshooting purposes.

If you are routinely starting and stopping Unwired Server, you should use Sybase Control Center for that purpose. Sybase Control Center allows you to manage local and remote servers from a single location, and is more efficient than starting and stopping with services or desktop shortcuts.

The Windows Start menu or desktop shortcuts affect a larger set of Unwired server services, but only the host where Windows is running

See *Unwired Platform Windows Services*.

- From Windows, select **Start > (All) Programs > Sybase > Unwired Platform > Start Unwired Platform Services**.
- From Windows, select **Start > (All) Programs > Sybase > Unwired Platform > Stop Unwired Platform Services**.
- If you cannot start or stop Unwired Platform Server services using the Windows Start menu, see *Troubleshooting Sybase Unwired Platform > Troubleshoot Sybase Control Center for Sybase Unwired Platform > Unwired Server Fails to Start*.



## CHAPTER 4      **Reviewing the Installation**

Review the installation directories to ensure Sybase SAP DOE Connector installed correctly.

By default, Sybase SAP DOE Connector installs in several directories under *<UnwiredPlatform\_InstallDir>*. After a successful installation, the directories listed below exist and contain one or more files.

Directory name	Description
<i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\InstallLogs\	The main DOE Connector installation log file, <i>DOECInstall.log</i> .
<i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\InstallLogs \silentInstall	<i>DOECdefaultDOECStartup.err</i> , <i>DOECdefaultDOECStartup.log</i> , <i>DOECdeploy.err</i> , <i>DOECdeploy.log</i> . The .err files are empty after initial installation, unless errors occurred during the installation process. The .log files contain status information about the installation.
<i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\Servers\UnwiredServer\doe-c_clu\	Files for the Command Line Utility.
<i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\Servers\UnwiredServer\doecSvlet\	Files for the servlet for Sybase SAP DOE Connector.
<i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\UnwiredPlatform\Servers\UnwiredServer\bin\  <i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\Servers\UnwiredServer\config\  <i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\Servers\UnwiredServer\lib\  <i>&lt;UnwiredPlatform_InstallDir&gt;</i> \UnwiredPlatform\Servers\UnwiredServer\lib\ext\	These directories should exist and contain one or more files after installation.





Uninstall Sybase SAP DOE Connector using the Control Panel option to remove programs, which launches the uninstaller. Uninstall Sybase SAP DOE Connector before reinstalling.

## Prerequisites

- Remove any subscriptions to packages deployed in the Sybase SAP DOE Connector. See *Sybase Control Center > Configure > Configuring Unwired Platform > Packages*.
- Remove any packages deployed in the Sybase SAP DOE Connector. See *Sybase Control Center > Configure > Configuring Unwired Platform > Packages*.
- Shut down any Sybase products or processes, except for Unwired Server and Consolidated Database.
- Uninstall any product or products that were using Sybase SAP DOE Connector. See the *Installation Guide* for the product or products.

## Task

1. From the Control Panel, begin uninstalling the program.  
This starts the uninstaller.
2. Click **Next** in the welcome window.
3. Click **Uninstall**.
4. Click **Finish** when you see: The InstallShield wizard has successfully uninstalled Sybase SAP DOE Connector <version>.

You must restart the system at some point for these changes to take effect; you can select to do so now, or later.

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**Note:** The DOE-C uninstaller does not clean up the Web applications for DOE-C. This may result in warnings appearing in the server log files, which you can safely ignore.

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To reinstall Sybase SAP DOE Connector, uninstall it, then install it again using the installation media, a Web download, or an image on the network.

1. Uninstall Sybase SAP DOE Connector. See *Chapter 5, Uninstalling* on page 11.
2. Restart the system, if you did not do so at the end of the uninstallation process.
3. Insert the installation media and install Sybase SAP DOE Connector. See *Chapter 3, Installing Sybase SAP DOE Connector* on page 5.

4. Restart the server, if Unwired Platform services are not set to start automatically.

If you have set Unwired Platform services to start automatically when Windows starts, those services are restarted automatically when the DOE-C installation is completed.



## Obtaining Help and Additional Information

Use the Sybase Getting Started CD, Product Documentation site, and online help to learn more about this product release.

- The Getting Started CD (or download) – contains release bulletins and installation guides in PDF format, and may contain other documents or updated information.
- Product Documentation at <http://sybooks.sybase.com/> – is an online version of Sybase documentation that you can access using a standard Web browser. You can browse documents online, or download them as PDFs. In addition to product documentation, the Web site also has links to EBFs/Maintenance, Technical Documents, Case Management, Solved Cases, Community Forums/Newsgroups, and other resources.
- Online help in the product, if available.

To read or print PDF documents, you need Adobe Acrobat Reader, which is available as a free download from the *Adobe* Web site.

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**Note:** A more recent release bulletin, with critical product or document information added after the product release, may be available from the Product Documentation Web site.

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## **esdma-converter Command**

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Converts an SAP ESDMA ESDMA bundle resource metadata file to an Unwired Platform package.

The **esdma-converter** executable file is located in the `<UnwiredPlatform_InstallDir>\UnwiredPlatform\bin` directory.

### **Syntax**

```
esdma-converter esdma-bundle-dir [-afx afx_file]  
[-dsd output_file] [-esdma bundle_metadata_file] [-help]
```

### **Parameters**

- ***esdma-bundle-dir*** – the source directory for the ESDMA resource metadata file to be converted.
- **-afx** – the AFX (application from XML) output document file. The default is *esdma-bundle-dir/META-INF/afx-esdma.xml*.
- **-dsd** – the DOE-C output document name. The default is *esdma-bundle-dir/META-INF/ds-doe.xml*.
- **-esdma** – the source ESDMA bundle resource metadata file. The default is *esdma-bundle-dir/Resources/AnnotatedMeta.xml*, or *esdma-bundle-dir/Resources/Meta.xml* if the former is not found.
- **-help** – gets help on this command.

## APPENDIX A: ESDMA Converter Reference



## APPENDIX B      **codegen.bat Reference**

Generates platform-specific code for a message-based application from an ESDMA bundle.

The **codegen.bat** executable file is located in the `<UnwiredPlatform_InstallDir>\UnwiredPlatform\ClientAPI\utils\bin` directory.

Before using `codegen.bat`:

- Copy your ESDMA .zip file into an ESDMA directory (`<ESDMA_dir>`) and extract its contents into that directory.
- Verify that the following files are present in the META-INF directory under your `<ESDMA_dir>`.
  - `sup-db.xml`
  - `afx-esdma.xml`
  - `ds-doe.xml`

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**Note:** `<ESDMA_dir>\META-INF\sup-db.xml` is also referred to as the AFX document.

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### **codegen.bat Command**

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To generate platform-specific code for supported devices.

#### **Syntax**

```
codegen -cs|-oc|-rim -client -mbs -sqlite|-ulj -log:co  
[-output <output_dir>] [-doc] <ESDMA_dir>\META-INF\sup-db.xml
```

All parameters not enclosed by "[...]" are required for use with DOE-C.

#### **Parameters**

- **-cs** – for Windows and Windows Mobile, generates C# source files, without compiling them.
- **-oc** – for iPhone, generates Object C source files.
- **-rim** – for BlackBerry, generates Java source files.
- **-client** – generates client side source code.
- **-mbs** – generates code for a messaging based synchronization package.
- **-sqlite** – for Windows and Windows Mobile, and iPhone, generates code for database type SQLite.

## APPENDIX B: codegen.bat Reference

- **-ulj** – for BlackBerry, generates code for database type UltraLiteJ.
- **-log:co** – generates a client-only log record.
- **-output** – specifies the output directory where generated code is placed. Defaults to *<current\_directory>\utils\genfiles*.
- **-doc** – generates documentation for the generated code.

# SAP DOE Connector Command Line Utility

The DOE-C Command Line Utility is a text-based console that allows you to manage ESDMA packages and subscriptions to those packages without going through Sybase Control Center.

You can work interactively in the Command Line Utility console, or you can write batch files that silently execute any sequence of commands.

You must use the Command Line Utility's **deploy** command to deploy an ESDMA package. The functionality of all the other commands is available through Sybase Control Center. See *Sybase Control Center > Deploy > Packages*.

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**Note:** Before you attempt to deploy a package, set up the security configuration in Sybase Control Center for that package to use. See *Sybase Control Center > Administer > Security Configurations*.

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## Starting the Command Line Utility Console

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Before you can use the DOE-C Command Line Utility interactively, you must start the console.

1. In Windows Explorer or at a command prompt, navigate to %DOE-C\_CLU\_HOME%/bin/.
2. Start up `clu.bat`.
3. Log in, or enter commands without a login.

If you enter a command (other than **help** or **exit**) without first logging in, you must enter the DOE-C server admin listener URL, user name, and password when you are prompted for the first command that you enter. You are not prompted for this information again when you enter additional commands.

## Running Commands in Batch Mode

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In batch mode, the DOE-C Command Line Utility takes commands from an XML file instead of requiring you to enter them interactively through the console.

## Creating an XML File to Run Commands in Batch Mode

To run commands in batch mode, you must enter them into an XML file with special tagging.

To make your batch file run smoothly:

- Use the silent option with each command. See *Using the Silent Option* on page 23.
- Specify all required parameters for each command.

1. In a text editor, create a file with the XML extension.
2. Open the file and enter these first two lines:

```
<?xml version="1.0" encoding="UTF-8"?>
<commands>
```

3. Enter these lines for the **login** command:

```
<command name="login" sequence="1">
  <option name="url" arg="DOECSocketListenerUrl" />
  <option name="pw" arg="DOECUserPassword" />
  <option name="u" arg="DOECUser" />
</command>
```

4. For each command you want to execute, enter the information in an XML structure similar to this:

```
<command name="commandName" sequence="sequenceInteger">
  <option name="optionName1" arg="optionValue1" />
  <option name="optionName2" arg="optionValue2" />
  <option name="optionName3" arg="optionValue3" />
  ...
  <option name="optionNameN" arg="optionValueN" />
</command>
```

The sequence parameter controls the order in which the commands are executed.

5. After the last `<command>` entry, terminate the file:

```
</commands>
```

## Running the Command Line Utility in Batch Mode

The `execute-commandXMLFile` command runs the Command Line Utility in batch mode.

### Prerequisites

Create an XML file that contains the commands that you want to execute, with proper XML tagging.

### Task

1. At a command prompt, navigate to `%DOE-C_CLU_HOME%/bin/`.
2. Enter:

```
execute-commandXMLFile xmlFileName
```

where *xmlFileName* is either the full path to the file containing the commands to be executed, or the relative path to that file from the %DOE-C\_CLU\_HOME%/bin/ directory.

### Using the Silent Option

Most of the commands in the DOE-C Command Line Utility support the silent option, which suppresses all user prompts, and which, in general, you want to do for batch execution.

Before using the silent option (**-sl|--silent**), verify that suppressing user prompts does not have undesirable results.

Here are some examples that illustrate potentially undesirable results:

- `getPackages -o pac.xml -sl` – if `pac.xml` already exists, it is overwritten without confirmation.
- `setPackageLogLevel -l DEBUG -i pac.xml` – if `pac.xml` contains more than one package, the log level for all packages is set to DEBUG.

### Command Summary

A summary of DOE-C Command Line Utility commands. For more detailed information about a command, refer to the reference topic for the command.

**Table 3. Administrative commands**

Operation	Command
Start Command Line Utility console to enter commands interactively	%DOE-C_CLU_HOME%/bin/clu.bat (from a command prompt)
Run Command Line Utility to take commands from an XML file	%DOE-C_CLU_HOME%/bin/execute-commandXMLFile <i>xmlFileName</i> (from a command prompt)
Log in	login [-u --DOEServerUser <i>UnwiredServerAdminUser</i> ] [-pw --password <i>UnwiredServerAdminPassword</i> ] [-h --help] [-sl --silent]
Exit	exit [-h --help]
Get help	help [-h --help]   [-a --all]   <i>commandName</i>

**Table 4. Package management commands**

Operation	Command
Deploy a package	<pre> deploy [-dir --deployFilesDirectory <i>deploymentDirectory</i>] [sc --securityConfiguration <i>securityConfigName</i>] [-u --technicalUser <i>SAPUserAccount</i>] [-pw --password <i>SAPUserPassword</i>] [-h --help] [-sl --silent] </pre>
Get a list of deployed packages	<pre> getPackages [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-o --out <i>outputXmlFile</i>] [-h --help] [-sl --silent] </pre>
Get details for specific deployed packages	<pre> getPackages [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-o --out <i>outputXmlFile</i>] [ps --packageNames <i>nameAndVersionList</i>] [-h --help] [-sl --silent] </pre>
Set endpoint properties for a deployed package	<pre> setEndpointProperties [-i --in <i>inputXmlFile</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-ds --doePacketDropSize <i>byteSize</i>] [-ew --doeExtractWindow <i>maxNumMsgs</i>] [-u --technicalUser <i>SAPUserAccount</i>] [-pw --password <i>SAPUserPassword</i>] [-tca --technicalUserCertAlias <i>aliasName</i>] [-sp --securityProfile <i>profileName</i>] [-t --httpTimeout <i>seconds</i>] [-h --help] [-sl --silent] </pre>
Get endpoint properties for a deployed package	<pre> getEndpointProperties [-i --in <i>inputXmlFile</i>] [[-a --all]   [-ps --packageNames <i>name</i>]] [-h --help] [-sl --silent] </pre>
Test endpoint properties for a deployed package	<pre> testEndpoint [-i --in <i>inputXmlFile</i>] [-p --packageName <i>name</i>] [-h --help] [-sl --silent] </pre>

Operation	Command
Set the security configuration for deployed packages	<pre>setPackageSecurityConfiguration [-d --domain <i>domainName</i>] [-sc --securityConfiguration <i>securityConfigName</i>] [-i --in <i>inputXmlFile</i>] [[-a --all]   [-ps --packageNames <i>nameAndVersion-List</i>] [-u --technicalUser <i>SAPUserAccount</i>] [-pw --password <i>SAPUserPassword</i>] [-h --help] [-sl --silent]</pre>
Set the log level for deployed packages	<pre>setPackageLogLevel [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-l logLevel <i>level</i>] [-ps --packageNames <i>name</i>] [-h --help] [-sl --silent]</pre>
Get the log level for deployed packages	<pre>getPackageLogLevel [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-o --out <i>outputXmlFile</i>] [-ps --packageNames <i>name</i>] [-h --help] [-sl --silent]</pre>
Remove deployed packages	<pre>removePackages [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-ps --packageNames <i>name</i>] [-h --help] [-sl --silent]</pre>

**Table 5. Subscription management commands**

Operation	Command
Get information on subscriptions to deployed packages	<pre>getSubscriptions [-d --domain <i>domainName</i>] [-i --in[-i --in <i>inputXmlFile</i>] [-o --out <i>outputXmlFile</i>] [-f --filter <i>filterExpression</i>] [-ps --packageNames <i>name</i>] [-h --help] [-sl --silent]</pre>

## APPENDIX C: SAP DOE Connector Command Line Utility

Operation	Command
Get information on subscriptions to a deployed package, with sorting and pagination options	<pre>getSubscriptions2 [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-o --out <i>outputXmlFile</i>] [-f --filter <i>filterExpression</i>] [-p --packageName <i>name</i>] [-pn --pageNumber <i>number</i>] [-ps --pageSize <i>size</i>] [-s --sort <i>column[:Ascending Descending]</i>] [-h --help] [-sl --silent]</pre>
Set the log level for subscriptions to a deployed package	<pre>setSubscriptionsLogLevel [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-l --logLevel <i>level</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>
Get the log level for subscriptions to a deployed package	<pre>getSubscriptionsLogLevel [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [-p --packageName <i>name</i>] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>
Suspend subscriptions	<pre>suspendSubscriptions [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>
Resume subscriptions	<pre>resumeSubscriptions [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>
Resynchronize subscriptions to a deployed package	<pre>resyncSubscriptions [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>



Operation	Command
End subscriptions to a deployed package	<pre>endSubscriptions [-d --domain <i>domainName</i>] [-i --in <i>inputXmlFile</i>] [[-a --all]   [-p --packageName <i>name</i>]] [-s --subscriptionID <i>ID</i>] [-h --help] [-sl --silent]</pre>

## Console Management Commands

Use the administrative commands to start the Command Line Utility console, log in, get help, and exit.

### login Command

Logs in to the DOE-C Command Line Utility console.

If you do not use the **login** command to log in to the Command Line Utility console, you are prompted to enter the login information for the first command (other than **help** or **exit**) that you enter.

#### Syntax

```
login [-u|--DOEServerUser UnwiredServerUser] [-pw|--password
UnwiredServerUserPassword]
[-url|--DOECSocketListenerUrl Url] [-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.
- **-u|--DOEServerUser** – specifies the Unwired Server admin user account.
- **-pw|--password** – specifies the Sybase Control Center admin user account password.
- **-url|--DOECSocketListenerUrl** – specifies the URL for the Unwired Server IIOP administration port; this is the same port specified by the `sup.admin.port` attribute in the `sup.properties` file. This port is set during installation of Sybase Unwired Platform.
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### exit Command

Closes the Command Line Utility console.

#### Syntax

```
exit [-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-s|--silent** – disables all user interactive questions; this option is generally used with batch files.

### help Command

Displays help text for any specific DOE-C command, or for all commands.

### Syntax

```
help commandName | [-a|--all] | [-h|--help]
```

### Parameters

- **-h|--help** – gets help on the **help** command.
- **-a|--all** – gets help on all commands.
- ***commandName*** – gets help on the specified command.

### Aborting Commands

There are two ways to abort commands in interactive mode.

Abort method	Description
Press Ctrl+C at any time	Aborts in-progress command and exits from Command Line Utility console. <ul style="list-style-type: none"><li>• Works at any time with any command.</li><li>• To enter additional commands after using this option, you must restart the console.</li></ul>
Enter "abort" when prompted	Aborts in-progress command without exiting from Command Line Utility console. <ul style="list-style-type: none"><li>• Works only with certain commands, and only when prompted.</li><li>• After using this option, you can continue entering commands.</li></ul>

### Package Management Commands

Manage DOE-C packages from the Command Line Utility, rather than from Sybase Control Center.

## deploy Command

Deploys a DOE-C package to Sybase Unwired Server.

You must use the **deploy** command in the DOE-C Command Line Utility to deploy a DOE-C package. This is the only DOE-C Command Line Utility command that is not available in the Sybase Control Center.

### Syntax

```
deploy [-d|--domain domainName]  
[-dir|--deployFilesDirectory deploymentDirectory]  
[-sc|--securityConfiguration securityConfigName]  
[-u|--technicalUser SAPUserAccount]  
[-pw|--password SAPUserPassword] [-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-dir|--deployFilesDirectory** – specifies the directory location that contains deployment files.
- **-sc|--securityConfiguration** – specifies the name of the security configuration to use, as defined in Sybase Control Center.
- **-u|--technicalUser** – specifies the SAP technical user account to use when sending non-client-based requests.
- **-pw|--password** – specifies the SAP technical user account password.
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## getPackages Command

Generates a list of deployed DOE-C packages, or returns detailed information for one or more specified packages.

### Syntax

```
getPackages [-d|--domain domainName]  
[-i|--in inputXmlFile] [-o|--out outputXmlFile]  
[-ps|--packageNames nameAndVersionList] [-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.

- **-i|--in** – reads package name from input XML file. Generate the XML file using the **-o** parameter.
- **-o|--out** – saves command output to an XML file.
- **-ps|--packageNames** – specifies one or more package names for which detailed information is returned. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:

```
-ps myPkg1:2.0,myPkg2:1.0
```

---

**Note:** If you omit this parameter, **getPackages** returns a list of all deployed packages.

---

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### setEndpointProperties Command

Sets the DOE endpoint properties for deployed DOE-C packages.

You must set some of the DOE endpoint properties so that DOE-C can communicate with the SAP server. You can set other DOE endpoint properties to tune the performance of the communications.

#### Syntax

```
setEndpointProperties [-i|--in inputXmlFile]
[[-a|--all] | [-p|--packageName name]]
[-ds|--doePacketDropSize byteSize]
[-ew|--doeExtractWindow maxNumMsgs]
[-u|--technicalUser SAPUserAccount]
[-pw|--password SAPUserPassword]
[-tca|--technicalUserCertAlias aliasName]
[-sp|--securityProfile profileName]
[-t|--httpTimeout seconds]
[-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with **getPackages**.
- **-a|--all** – sets endpoint properties for all deployed packages.
- **-p|--packageName** – specifies package name for which endpoint properties are set. Package name is followed by a colon and the package version number, with no white space; for example:

```
-p myPkg:2.0
```

- **-ds|--doePacketDropSize** – the size, in bytes, of the largest JavaScript Object Notation (JSON) message that the DOE connector processes on behalf of a JSON client. The default is 1048576 bytes (1MB). The packet drop threshold size should be carefully chosen, so

that it is larger than the largest message sent from the DOE to the client, but smaller than the maximum message size which may be processed by the client. Messages larger than the packet drop threshold size cause the subscription to enter the DOE packet drop state and become unusable.

---

**Note:** Do not set lower than 4096.

---

- **-ew|--doeExtractWindow** – specifies the number of messages allowed in the DOE extract window. When the number of messages in the DOE extract window reaches 50% of this value, DOE-C sends a `StatusReqFromClient` message to advise the SAP DOE system of the client's messaging status and acknowledge the server's state. The default value is 50.
- **-u|--technicalUser** – specifies the SAP technical user account to use when sending non-client-based requests.
- **-pw|--password** – specifies the SAP technical user account password.
- **-tca|--technicalUserCertAlias** – specifies the certificate alias for the SAP technical user. Used only for X.509 certificate-based technical user authentication. Overrides `-u|--technicalUser` and `-pw|--password` values if set.
- **-sp|--securityProfile** – specifies the name of the security profile.
- **-t|--httpTimeout** – specifies the HTTP timeout value, in seconds, to use when sending messages to the SAP DOE.
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## getEndpointProperties Command

Gets the DOE endpoint properties (**HTTPTimeout** value) for a deployed DOE-C package.

### Syntax

```
getEndpointProperties [-i|--in inputXmlFile]
[[ -a|--all ] | [ -ps|--packageNames name ] ]
[-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads command input from an XML file.
- **-a|--all** – returns endpoint properties for all deployed packages.
- **-ps|--packageNames** – specifies one or more package names for which endpoint properties are returned. Each package name is followed by a colon and the package version

## APPENDIX C: SAP DOE Connector Command Line Utility

number. Use a comma to separate the information for multiple packages, with no white space; for example:

```
-ps myPkg1:2.0,myPkg2:1.0
```

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### testEndpoint Command

Tests the DOE endpoint accessibility for a deployed DOE-C package.

Use the **testEndpoint** command to verify that the DOE endpoint is accessible using the parameters you set with the **setEndpointProperties** command.

#### Syntax

```
testEndpoint [-i|--in inputXmlFile] [-p|--packageName name]  
[-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with **getPackages**.
- **-p|--packageName** – specifies package name for which endpoint properties are set. Package name is followed by a colon and the package version number, with no white space; for example:  

```
-p myPkg:2.0
```
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### setPackageSecurityConfiguration Command

Sets the security configuration for a deployed DOE-C package.

#### Syntax

```
setPackageSecurityConfiguration [-d|--domain domainName]  
[-sc|--securityConfiguration securityConfigName]  
[-i|--in inputXmlFile]  
[[-a|--all] | [-ps|--packageNames nameAndVersionList]]  
[-u|--technicalUser SAPUserAccount]  
[-pw|--password SAPUserPassword]  
[-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.

- **-d|--domain** – specifies the domain.
- **-sc|--securityConfiguration** – specifies the security configuration name, defined in Sybase Control Center, to use with the specified packages.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with **getPackages**.
- **-a|--all** – sets the security configuration for all deployed packages.
- **-ps|--packageNames** – specifies one or more package names for which the security configuration is set. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:  

```
-ps myPkg1:2.0,myPkg2:1.0
```
- **-s|--silent** – disables all user interactive questions; this option is generally used with batch files.

## setPackageLogLevel Command

Sets the log level, which determines the amount of information logged, for one or more deployed DOE-C packages.

### Syntax

```
setPackageLogLevel [-d|--domain domainName]  
[-i|--in inputXmlFile] [-l|--logLevel level]  
[[-a|--all] | [-ps|--packageNames name]]  
[-h|--help] [-s|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with **getPackages**.
- **-l|--logLevel** – specifies the log level to be set:
  - **OFF** – no information is logged.
  - **ERROR** – only error messages are logged.
  - **WARN** – adds less serious warnings to information logged by ERROR.
  - **INFO** – adds informational messages to information logged by WARN.
  - **DEBUG** – provides the maximum amount of detail that can be logged.
- **-a|--all** – sets the log level for all deployed packages.
- **-ps|--packageNames** – specifies one or more package names for which the log level is set. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:  

```
-p myPkg:2.0
```

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### **getPackageLogLevel Command**

Gets the log level for one or more deployed DOE-C packages.

#### **Syntax**

```
getPackageLogLevel [-d|--domain domainName]  
[-i|--in inputXmlFile] [-o|--out outputXmlFile]  
[-ps|--packageNames name]  
[-h|--help] [-sl|--silent]
```

#### **Parameters**

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the -o parameter with the getPackages command.
- **-ps|--packageNames** – specifies one or more package names for which detailed information is returned. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:

```
-p myPkg:2.0
```

---

**Note:** If you omit **-ps**, **getPackageLogLevel** returns a list of log levels for all deployed packages.

---

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### **removePackages Command**

Removes one or more deployed DOE-C packages from the Sybase Unwired Server.

#### **Syntax**

```
removePackages [-d|--domain domainName]  
[-i|--in inputXmlFile]  
[-ps|--packageNames name]  
[-h|--help] [-sl|--silent]
```

#### **Parameters**

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.



- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with the `getPackages` command.
- **-ps|--packageNames** – specifies one or more package names to be removed. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:

```
-p myPkg:2.0
```

---

**Note:** If you omit **-ps, removePackages** prompts interactively for package names to be removed.

---

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## Subscription Management Commands

---

Manage DOE-C package subscriptions from the Command Line Utility, rather than from Sybase Control Center.

### getSubscriptions Command

Gets information on subscriptions to one or more deployed DOE-C packages.

#### Syntax

```
getSubscriptions [-d|--domain domainName]  
[-i|--in inputXmlFile] [-o|--out outputXmlFile]  
[-f|--filter filterExpression] [-ps|--packageNames name]  
[-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with `getPackages`.
- **-o|--out** – saves command output to an XML file.
- **-f|--filter** – specifies the filter to use on the subscriptions. Each column name is followed by a colon and the filter string. Use a comma to separate the information for multiple column names, with no white space; for example:

```
-f columnName:filterString, columcName2:filterString2
```

Valid filter column names are: `subscriptionID`, `packageName`, `clientID`, `physicalID`, `logicalID`, `userName`, `language`, `clientMsgID`, `clientMsgTimeStamp`, `serverMsgID`, `serverMsgTimeStamp`, `logLevel`.

You can use "?" and "\*" wildcard characters in your filter strings; for example:

```
-f clientMsgTimeStamp:*Jan*21?41*2009 ,userName:john*
```

- **-ps|--packageNames** – specifies one or more package names for which subscription information is returned. Each package name is followed by a colon and the package version number. Use a comma to separate the information for multiple packages, with no white space; for example:

```
-p myPkg:2.0
```

---

**Note:** If **-ps** is omitted, **getSubscriptions** prompts you for a package name.

---

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

### getSubscriptions2 Command

Gets information on subscriptions to a deployed DOE-C packages, with output paginated and sorted.

#### Syntax

```
getSubscriptions2 [-d|--domain domainName]
[-i|--in inputXmlFile] [-o|--out outputXmlFile]
[-f|--filter filterExpression] [-p|--packageName name]
[-pn|--pageNumber number] [-ps|--pageSize size]
[-s|--sort column[:Ascending|Descending]] [-h|--help] [-sl|--silent]
```

#### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with **getPackages**.
- **-o|--out** – saves command output to an XML file.
- **-f|--filter** – specifies the filter to use on the subscriptions. The filter expression must have one column name, followed by a colon and the filter string; for example:

```
-f columnName:filterString
```

Valid filter column names are: subscriptionID, packageName, clientID, physicalID, logicalID, userName, language, clientMsgID, clientMsgTimeStamp, serverMsgID, serverMsgTimeStamp, logLevel.

You can use "?" and "\*" wildcard characters in your filter strings; for example:

```
-f clientMsgTimeStamp:*Jan*21?41*2009
```

- **-p|--packageName** – specifies package name for which subscription information is returned. Package name is followed by a colon and the package version number, with no white space; for example:

```
-p myPkg:2.0
```

- **-ps|--pageSize** – specifies the page size, which is the number of subscriptions per page returned. Page size must be 1 or higher. If you do not specify a page size:

- If the number of subscriptions returned is greater than 10, you are prompted to enter a page size.
- If the number of subscriptions returned is 10 or fewer, all subscriptions are listed on one page.
- **-pn|--pageNumber** – specifies the page number, which is the number of the page returned, determined by the page size. Page number must be 1 or higher. If you do not specify a page number:
  - If the number of subscriptions returned is greater than the page size, you are prompted to enter a page number.
  - If the number of subscriptions returned is not greater than the page size, all subscriptions are listed on one page.

Page size and page number together determine the subscriptions actually returned by for the specified package name; for example, you might specify a page size of 3 with a page number of 2:

```
getSubscriptions2 -p myPkg:2.0 -ps 3 -pn 2
```

This example returns the second page of subscriptions for version 2.0 of the package named myPkg. That page would contain subscriptions 4-6 to the package. With a page size of 3, the first page would contain subscriptions 1-3, the third page would contain subscriptions 7-9, and so on. If sorting or filtering are specified, these operations produce the list of subscriptions to which page size and page number are applied.

- **-s|--sort** – specifies the columns on which output is to be sorted. If you specify only a column name, the default sort order is ascending; for example:

```
-s UserName
```

Add a colon, followed by *Descending* after the column name to sort in descending order; for example:

```
-s ServerMsgTimeStamp:Descending
```

Valid sort column names are: ClientID, PhysicalID, SubscriptionID, LogicalID, PushQueue, UserName, Language, LogLevel, ServerMsgID, ServerMsgTimeStamp, ClientMsgID, ClientMsgTimeStamp, ApplicationName, and MMSPID.

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## **setSubscriptionsLogLevel Command**

Sets the log level, which determines the amount of information logged, for subscriptions to a deployed DOE-C package.

### **Syntax**

```
setSubscriptionsLogLevel [-d|--domain domainName]  
[-i|--in inputXmlFile]  
[-l|--logLevel level] [[-a|--all] | [-p|--packageName name]]  
[-s|--subscriptionID ID] [-h|--help] [-sl|--silent]
```

## Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the `-o` parameter with the `getPackages` command.
- **-l|--logLevel** – specifies the log level to be set:
  - **OFF** – no information is logged.
  - **ERROR** – only error messages are logged.
  - **WARN** – adds less serious warnings to information logged by **ERROR**.
  - **INFO** – adds informational messages to information logged by **WARN**.
  - **DEBUG** – provides the maximum amount of detail that can be logged.
- **-a|--all** – specifies the log level for all deployed packages.
- **-p|--packageName** – specifies a package name for which the log level is set. Package name is followed by a colon and the package version number, with no white space; for example:
 

```
-p myPkg:2.0
```
- **-s|--subscriptionID** – specifies one or more subscription IDs for which you want to set the log level. Use a comma to separate multiple subscription IDs, with no white space; for example:
 

```
-s mySubs1,mySubs2
```
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## getSubscriptionsLogLevel Command

Gets the log level for subscriptions to a deployed DOE-C package.

### Syntax

```
getSubscriptionsLogLevel [-d|--domain domainName]
[-i|--in inputXmlFile]
[-p|--packageName name] [-s|--subscriptionID ID]
[-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads command input from an XML file.
- **-p|--packageName** – specifies a package name for which detailed information is returned. Package name is followed by a colon and the package version number, with no white space; for example:
 

```
-p myPkg:2.0
```

- **-s|--subscriptionID** – specifies one or more subscription IDs for which you want to get the log level. Use a comma to separate multiple subscription IDs, with no white space; for example:

```
-s mySubs1,mySubs2
```

---

**Note:** If **-s** is omitted, **getSubscriptionsLogLevel** returns a list of all subscriptions for the specified package.

---

- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## suspendSubscriptions Command

Use the **suspendSubscriptions** command to suspend subscriptions to one or all deployed DOE-C packages.

### Syntax

```
suspendSubscriptions [-d|--domain domainName]
[-i|--in inputXmlFile]
[[-a|--all] | [-p|--packageName name]] [-s|--subscriptionID ID]
[-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads subscription ID and package name from input XML file. You can generate the XML file by using the **-o** parameter with the **getSubscriptions** command.
- **-a|--all** – suspends subscriptions for all deployed packages.
- **-p|--packageName** – specifies a package name for which subscriptions are suspended. Package name is followed by a colon and the package version number, with no white space; for example:
 

```
-p myPkg:2.0
```
- **-s|--subscriptionID** – specifies one or more subscription IDs which you want to suspend. Use a comma to separate multiple subscription IDs, with no white space; for example:
 

```
-s mySubs1,mySubs2
```
- **-sl|--silent** – disables all user interactive questions; this option is mainly used when writing a batch file.

## resumeSubscriptions Command

Use the **resumeSubscriptions** command to resume subscriptions to one or all deployed DOE-C packages for which subscriptions have been suspended.

### **Syntax**

```
resumeSubscriptions [-d|--domain domainName]
[-i|--in inputXmlFile]
[[-a|--all] | [-p|--packageName name]] [-s|--subscriptionID ID]
[-h|--help] [-sl|--silent]
```

### **Parameters**

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads subscription ID and package name from input XML file. You can generate the XML file by using the **-o** parameter with the **getSubscriptions** command.
- **-a|--all** – resumes subscriptions for all deployed packages.
- **-p|--packageName** – specifies a package name for which subscriptions are resumed. Package name is followed by a colon and the package version number, with no white space; for example:

```
-p myPkg:2.0
```

- **-s|--subscriptionID** – specifies one or more subscription IDs which you want to resume. Use a comma to separate multiple subscription IDs, with no white space; for example:
- ```
-s mySubs1,mySubs2
```
- **-sl|--silent** – disables all user interactive questions; this option is mainly used when writing a batch file.

## **resyncSubscriptions Command**

Unblocks DOE queues.

If the Sybase SAP DOE Connector does not respond to the SAP DOE quickly enough, the DOE may mark that subscription's queues as "blocked" and stop sending messages to the DOE-C. At start-up, the DOE-C sends a RestartQ message to the DOE that should unblock these queues. If this happens at times other than at start-up, you can use **resyncSubscriptions** to resume communication from the DOE to the DOE-C.

### **Syntax**

```
resyncSubscriptions [-d|--domain domainName]
[-i|--in inputXmlFile]
[[-a|--all] | [-p|--packageName name]] [-s|--subscriptionID ID]
[-h|--help] [-sl|--silent]
```

### **Parameters**

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with the **getPackages** command.

- **-a|--all** – reactivates subscriptions for all deployed packages.
- **-p|--packageName** – specifies package name for which subscriptions are reactivated. Package name is followed by a colon and the package version number, with no white space; for example:  

```
-p myPkg:2.0
```
- **-s|--subscriptionID** – specifies one or more subscription IDs to recover. Use a comma to separate multiple subscription IDs, with no white space; for example:  

```
-s mySubs1,mySubs2
```
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.

## endSubscriptions Command

Ends subscriptions to a deployed DOE-C package.

### Syntax

```
endSubscriptions [-d|--domain domainName]
[-i|--in inputXmlFile]
[[-a|--all] | [-p|--packageName name]] [-s|--subscriptionID ID]
[-h|--help] [-sl|--silent]
```

### Parameters

- **-h|--help** – gets help on this command.
- **-d|--domain** – specifies the domain.
- **-i|--in** – reads package name from input XML file. You can generate the XML file by using the **-o** parameter with the **getPackages** command.
- **-a|--all** – ends subscriptions for all deployed packages.
- **-p|--packageName** – specifies package name for which subscriptions are ended. Package name is followed by a colon and the package version number, with no white space; for example:  

```
-p myPkg:2.0
```
- **-s|--subscriptionID** – specifies one or more subscription IDs to recover. Use a comma to separate multiple subscription IDs, with no white space; for example:  

```
-s mySubs1,mySubs2
```
- **-sl|--silent** – disables all user interactive questions; this option is generally used with batch files.





# Index

## B

batch mode 21  
 effects of silent option 23  
 running Command Line Utility in 22  
 XML file for 22

## C

clu.bat 21  
 codegen.bat 19  
 using 19

## D

deploy command 29  
 disk space requirements 3

## E

endSubscriptions command 41  
 esdma-converter command 17  
 exit command 27

## G

getEndpointProperties command 31  
 getPackageLogLevel command 34  
 getPackages command 29  
 getSubscriptions command 35  
 getSubscriptions2 command 36  
 getSubscriptionsLogLevel command 38

## H

help command 28

## I

installation directories 9  
 installation planning 3  
 installation prerequisites 3

installation task flow 1  
 interactive mode 21

## L

login command 27

## R

removePackages Command 34  
 resumeSubscriptions command 39  
 resyncSubscriptions command 40

## S

services  
 starting and stopping 7  
 setEndpointProperties command 30  
 setPackageLogLevel command 33  
 setPackageSecurityConfiguration command 32  
 setSubscriptionsLogLevel command 37  
 starting Command Line Utility console 21  
 SUP installation directory 5  
 suspendSubscriptions command 39  
 Sybase SAP DOE Connector application  
 Command Line Utility reference 21  
 aborting commands 28  
 batch mode 21  
 command summary 23  
 managing the console 27  
 starting the console 21  
 installing 5  
 reinstalling 13  
 uninstalling 11  
 Sybase Unwired Platform 3, 11  
 Sybase Unwired Platform installation directory 5  
 system requirements 3

## T

testEndpoint command 32

