

conNECTERÉ

DOCUMENTATION



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INSTALLATION

Source System

1. Download file should be Connectoré.zip which contains the following:

```
ctre_adm.pks  
ctre_adm.plb  
ctre_drop_destination.sql  
ctre_drop_source.sql  
ctre_setup_destination.sql  
ctre_setup_source.sql  
ctre_source_adm.pks  
ctre_source_adm.plb  
terms.sql  
Connectoré Documentation.pdf (this document)
```

2. Unzip Connectoré.zip on the destination system

3. Copy the following files to the source system:

```
ctre_drop_source.sql  
ctre_setup_source.sql  
ctre_source_adm.pks  
ctre_source_adm.plb
```

4. On the source system, connect as a SYSDBA. Then:

```
SQL> @ctre_setup_source.sql
```

5. That command will kick off the source system install, which creates a new user, two Oracle directories and installs the ctre_source_adm package.

6. During the installation, there are four parameters required:

```
source_user – Create a user for the Connectoré system  
source_password – Set a password for the source system user  
datafile_location – Specify the location of the datafiles in the source system, either the filesystem  
or ASM data group  
shared_location – Set a location for the Connectoré files
```

NOTE: The trial version only supports the shared storage method. So the shared_location must be accessible between the source and destination systems.

Destination System

7. On the source system, connect as a SYSDBA. Then:

```
SQL> @ctre_setup_destination.sql
```

8. That command will kick off the destination system install, which creates a new user, two Oracle directories and installs the `ctre_adm` package.
9. During the installation, there are four parameters required:

company_name – Enter the company name registered with the license. If using the trial version, enter the version number, 2.0.1.0

license_key – Enter the license key provided. If using the trial version, leave this parameter blank.

ctre_user – Create a user for the Connectoré system

ctre_password – Set a password for the destination system user

source_user – Specify the source system user

source_password – Specify the password for the source system user

source_tns_entry – Specify the TNS Entry to connect to the source system

default_tablespace – Specify the tablespace where the Connectoré tables will reside

temporary_tablespace – Specify a temporary tablespace for the Connectoré system

datafile_location – Location for the new datafiles transferred from the source system, either the filesystem path or an ASM data group

shared_or_ssh – Specify whether Connectoré will work in either shared mode or use SSH to transfer files between the systems.

shared_location – For shared mode, specify the location shared between the systems. For SSH mode, leave this parameter blank.

ssh_host – For SSH mode, specify the hostname / IP address for the source system. For shared mode, leave this parameter blank.

platform_id – Specify the platform id for the source system. Possible values are:

1	Solaris[tm] OE (32-bit)
2	Solaris[tm] OE (64-bit)
3	HP-UX (64-bit)
4	HP-UX IA (64-bit)
5	HP Tru64 UNIX
6	AIX-Based Systems (64-bit)
7	Microsoft Windows IA (32-bit)
8	Microsoft Windows IA (64-bit)
9	IBM zSeries Based Linux
10	Linux IA (32-bit)
11	Linux IA (64-bit)
12	Microsoft Windows x86 64-bit
13	Linux x86 64-bit
15	HP Open VMS
16	Apple Mac OS
17	Solaris Operating System (x86)
18	IBM Power Based Linux
19	HP IA Open VMS
20	Solaris Operating System (x86-64)
21	Apple Mac OS (x86-64)

NOTE: The `company_name` and `license_key` are checked to enable Connectoré. For the trial version, you **MUST** enter the version number for the `company_name`. A 15-day license will be created during the system initialization. For the full version, use the `company_name` and `license_key` provided after purchase.

CONFIGURATION

Initialization

The system must be initialized after installation is complete. To do so, just run the following on the destination system as the Connectoré user:

```
SQL> exec ctre_admin.initialize
```

This setup can take anywhere from seconds to hours depending on the size of your source database. In addition to checking the license and setting system parameters, this step also copies the datafiles from the source system to the destination system.

To verify that this step is successful, you can check the destination system for copies of the datafiles from the source system, either in the filesystem path or in the ASM disk group specified in the `ctre_setup_destination` script.

Backup

After the system is initialized, backups can be done on whatever schedule required for Recover Point Objective using whatever scheduler is preferred (cron, Windows schedulers, Oracle job, Oracle Scheduler). To initiate a backup, simply run the following as the Connectoré user:

```
SQL> exec ctre_admin.backup
```

In our testing, this step has always taken a few minutes to complete. The procedure executes the following steps:

1. Incremental inconsistent backup to capture most of the changes since the last backup
2. Switch source tablespaces to read only
3. Export the source tablespaces metadata
4. Incremental consistent backup to be used with the export
5. Switch the source tablespaces to read write
6. Apply the backup to the destination system

NOTE: during steps 2 through 5, the source system will be in READ ONLY mode. If there is activity on the system during Step 2, Connectoré will not be able to put the source into READ ONLY mode and will error out.

Failover

To complete the migration or to failover in a disaster scenario, one command is needed to startup the destination system. To do so, just run the following on the destination system as the Connectoré user:

```
SQL> exec ctre_admin.failover
```

This setup run in seconds to a couple of minutes to complete the process. At the end of this process, all of the data from the source system will be open and available in READ WRITE mode in the destination system.

TROUBLESHOOTING

Error Code	Cause	Resolution
20001	Terms and Conditions not accepted	Restart the install and accept the Terms and Conditions.
20101	No user specified for Connectoré install	Restart the install and enter a value for the destination user.
20102	No password specified for Connectoré user	Restart the install and enter a value for the destination password.
20103	No source user specified	Restart the install and enter a value for the source user.
20104	No source password specified	Restart the install and enter a value for the source password.
20105	No TNS entry specified for source system	Restart the install and enter the TNS Entry to connect to the source system.
20106	SYSTEM tablespace specified for DEFAULT tablespace	Restart the install and specify a non-SYSTEM tablespace.
20107	SYSTEM tablespace specified for TEMPORARY tablespace	Restart the install and specify a non-SYSTEM tablespace.
20108	No location specified for datafile	Restart the install and provide a location for the destination system to store datafiles.
20109	No PLATFORM_ID specified for source system	Restart the install and enter a value for the platform_id of the source system.
20110	No shared location specified for staging files	Restart the install and enter a value for the shared location on the destination system.
20111	No user specified for Connectoré install	Restart the install and enter a value for the source user.
20112	No password specified for Connectoré user	Restart the install and enter a value for the source password.
20113	No location specified for datafiles	Restart the install and enter the location of the datafiles on the source system.
20114	No shared location specified for staging files	Restart the install and enter a value for the shared location on the source system.
20201	Trial License has expired	Contact VLSS or a reseller to purchase a full license.
20202	License is invalid	Contact Support or reinstall with the correct license information.