# Install Guide - Setup Wizard - Teradata - RED 10.4

# WhereScape Enablement Pack for Teradata - RED 10.4

This is a guide to installing the WhereScape Enablement Pack for Teradata for WhereScape RED10

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## Prerequisites For PostgreSQL Metadata

Before you begin the following prerequisites must be met:

- Create Database and ODBC DSN :
  - Supported\* version of PostgreSQL (PostgreSQL 12 or higher)
    - A database to house the RED Metadata Repository.
    - A database to house scheduler (Optional)
- Software Installations
  - WhereScape RED10.1.x.x with valid license key entered and EULA accepted
     WhereScape Enablement Pack for target database version RED10.1.x.x
- Windows Powershell (64 bit) version 4 or higher
  - To check Windows Powershell Version:
    - Run below command in Windows Powershell

Get-Host | Select-Object Version

Run below command in Command Prompt

powershell \$psversiontable

Run the following command using PowerShell

The security protocol TLS 1.0 and 1.1 used by PowerShell to communicate with PowerShell gallery has deprecated and TLS 1.2 has been made mandatory

```
[Net.ServicePointManager]::SecurityProtocol = [Net.ServicePointManager]::
SecurityProtocol -bor [Net.SecurityProtocolType]::Tls12
Register-PSRepository -Default -Verbose
Set-PSRepository -Name "PSGallery" -InstallationPolicy Trusted
```

Progress bar placeholder info line

Install-Module -Name PoshProgressBar -SkipPublisherCheck -Force

\*: RED supports the following versions for the metadata repository: PostgreSQL 12 or higher

## **Prerequisites Target Database**

Before you begin the following prerequisites must be met:

• Access to an Teradata (Target Environment), with the following connectivity information :

- 1. Server Name
- 2. Database Name
- 3. User Name
- 4. Password
- 5. At least one database available to use as a RED Data Warehouse Target with permissions CREATE, EXECUTE, DROP, SELECT PROCEDURE.
- Create Database and ODBC DSN Teradata ODBC driver (64-bit)
  - 1. Add ODBC DSN for Teradata Target Database
  - 2. The 'Return Output Parameters As ResultSet' option is to be checked in the driver options setting.
- Software installation
  - Install the necessary Teradata Tools and Utilities (TTU) (TBuild CLI Tool) as per Teradata's documentation.
- Python 3.8 or higher

   Select "Add Python 3.8 to PATH" from installation Window
  - Pip Manager Install with command : python -m pip install --upgrade pip

# Installation Through Setup Wizard

Run Setup Wizard as administrator

$\triangleright$	Red Setup Wizard	×
	WhereScape <sup>®</sup> RED	
	Metadata and Enablement Pack Installer This installer will take you through the steps to configure RED and enable your source and target platforms. This installer can be used for creating a new RED metadata repository or to configure an existing metadata repository by installing or upgrading WhereScape Enablement Packs.	
	Cancel	Start

Create new repository or upgrade already existing repository.

$\triangleright$	Red Setup Wizard	×	ł
			1
	Metadata Repository		
	WhereScape RED requires a PostgreSQL database repository to store its metadata.		
	Create a new metadata repository or select an existing metadata repository to continue:		
	Create new repository		
	Install the RED metadata, configure connections and install Enablement Packs		
	○ Use existing repository		
	Validate/upgrade your RED metadata and install/upgrade Enablement Packs		
	Cancel		

Select the created ODBC DSN, input login details, Connection String and then select "Validate". Press Next

Configure Metadata Datab	ase
RED will need a database to store information ab metadata and connect to it here.	out your data warehouse. Create a database for the RED
Data Source Name REQUIRED	
install_guide_tera (64-bit)	✓ □
A Data Source Name created with the ODBC admin tool	
User Name	
postgres	
Password	
•••	
Connection String	
dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$;	
Validate SValidated OK	

Select the directory that contains unzipped Enablement Pack for installation. Press Next

ed Setup Wizard		
WhereScape Enablement Pack		
Enablement Packs contain complete RED configurations for working with a wide range of data sources and your licensed RED data warehouse platform. In order to use RED you must at least install the Target Enablement Pack that matches your data warehouse database platform. Additional Enablement Packs can also be installed or upgraded with this installer. Download a <u>WhereScape Enablement Pack</u> from our Support portal and unzip the file to		
a local directory. Select a directory that contains an unzipped Enablement Pack for installation:		
G:\Work Related\targeteps\		
The directory that contains required enablement pack sub-directories of items		
Cancel	revious Next	t

Using the check boxed list, include or exclude the components that are to be installed. Press Next.

🎾 Red Set	up Wizard		×
	G:\Work Related\targeteps \		
	Configure Enablement Pack Choose to enable only certain components of the database enablement pack or click Next to enable them	all.	
	✓ Database Function Set	~	
	☑ Data Type Mappings Set	~	
	✓ UI Configurations	~	
	☑ Extended Properties	~	
	Host Script Languages	~	
	✓ Python Modules	~	
	✓ Templates	~	
Car	Previous		Next

Configure a target connection (example, Data Warehouse) and its target locations. set Target Database type. Validate and press ADD.

Add Targets	
Configure the connection where your data warehouse will live.	Added Targets
Connection Name REQUIRED	
Data Warehouse	
A unique name that identifies this connection Data Source Name REQUIRED	
epteammetaRS (64-bit) V	
A Data Source Name created with the ODBC admin tool	
Database Type REQUIRED	
Teradata 🗸	
The target platform type for this connection	
Database Name REQUIRED	
ag/hoamonialial*	
User Name	
- Marcine Contract of Contract	
Password	
	Previous Next
etup Wizard	Previous Next
	Previous Next
tup Wizard Database Type REQUIRED Teradata	Previous Next
etup Wizard Database Type REQUIRED Teradata	Previous Next
etup Wizard Database Type REQUIRED Teradata	Previous Next
etup Wizard Database Type REQUIRED Teradata  The target platform type for this connection Database Name REQUIRED epteammetaRS	Previous Next
etup Wizard Database Type REQUIRED Teradata  The target platform type for this connection Database Name REQUIRED	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name	Previous Next
etup Wizard Database Type REQUIRED Teradata  The target platform type for this connection Database Name REQUIRED epteammetaRS	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password Connection String	Previous Next
tup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password Connection String dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$; Target Storage Locations REQUIRED	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password Sonnection String dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$; Carget Storage Locations REQUIRED Existing schema (or database names depending on platform) for object storage epteammetaRS	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name User Name Bassword Connection String dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$; Target Storage Locations REQUIRED Existing schema (or database names depending on platform) for object storage	Previous Next
etup Wizard Database Type REQUIRED Teradata The target platform type for this connection Database Name REQUIRED epteammetaRS User Name Password Sonnection String dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$; Target Storage Locations REQUIRED Existing schema (or database names depending on platform) for object storage epteammetaRS	Previous       Next
etup Wizard  Database Type REQUIRED  Teradata  The target platform type for this connection  Database Name REQUIRED  epteammetaRS  User Name  Password  Connection String  dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$;  Target Storage Locations REQUIRED  Existing schema (or database names depending on platform) for object storage  epteammetaRS   Add another Location	Previous Next

When done, press ADD and then Press Next to advance.

V Red S	Setup Wizard		×
	Add Targets		
	Configure the connection where your data warehouse will live.	Added Targets	
		Data Warehouse epteammetaRS	ж
	Add another target		
С	ancel	Previous	Next

Configure a data source connection (optional) and its target locations. Validate and press ADD. Press Next to advance.

Add ODBC data sources now your sources later in RED	or click 'Next' to skip this step an	d configure	Added Source	S
Connection Name				
A unique name that identifies this	connection			
Data Source Name				
		× 2		
A Data Source Name created with	the ODBC admin tool			
11 N				
User Name				
User Name				
Password				
Password				

Review the installation summary and click Install

Setup Wizard		
Summary		
Metadata Location	^	
ODBC Data Source: install_guide_tera ODBC Database: (empty) ODBC User Name: postgres Connection String: dsn=\$DSN\$;uid=\$USER\$;pwd=\$PASSWORD\$; RDBMS Type: PostgreSQL		
Enablement Pack Directory "G:\Work Related\targeteps	^	
Database Functions Set Database Function Sets/Teradata Function Set.xml (16 KB)		
Data Type Mappings Set Data Type Mappings/Teradata from File.xml (6 KB) Data Type Mappings/Teradata from SQL Server.xml (6 KB) Data Type Mappings/Teradata from Teradata.xml (8 KB) Extended Properties		
ancel	Previous	tall

Clicking on the View Logs will take to the installation log. Click on Finish once the installation is completed successfully.

Red Setup Wizard	×
WhereScape <sup>®</sup> RED	
Your WhereScape RED repository was successfully configured!	
Note: Some Enablement Pack installations require further configuration steps once in RED. When required this additional configuration will start automatically within RED after log in.	
☑ Launch RED	
View Logs	Finish

Login to WhereScape RED.

	x
	REPOSITORY LOGIN
	DATABASE
	Data Sources: edw_td_release (64-bit)
WhereScape®	Profile: edw_td_release V
	Database Login ID:
<b>RED</b>	Password: *****
•	Connection String: dsn=\$DSN\$;uid=\$USER\$;pwd=\$F
	METADATA REPOSITORY
Version 10.4.0.0 by WhereScape, Inc. Copyright © 2025 Licensed to Data Entrega Partner License Expires 31 DEC 20/	RED User Name:

Note: There is a post-install script that will run at the first login to RED10 to complete the post setup wizard installation process. You will be directed to below PowerShell window which will give brief explanation about post installation process.

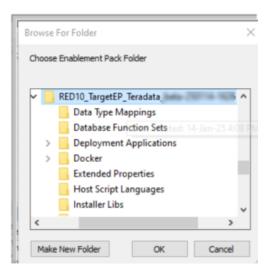
Post Inst	allation Setup for Enablement Pack	×
i	The installation process will set up and configure the enablement pack, install necessary Python and PowerShell modules and libraries.	
	During installation you will be prompted to select the Enablement pack folder location and set either Python or PowerShell default template set. Additionally, you will have the option to choose the target location for deploying applications.	
	Select the appropriate options when prompted to ensure a successful installation.	
	Click 'OK' to continue with the installation process. Click 'Cancel' to cancel the installation process and redirect to RED.	
	OK Cancel	

Press OK to start the post installation. If pressed Cancel installation will stop and user will be directed to RED.

The user will be directed to the window below, where they have to select the target connection to be configured. Additionally, by deselecting the provided options, the user can choose not to install a particular option. "Reset Extended Properties" is deselected by default.

Target Connection – X			
Select the target connection to configure			
<b></b>			
Select suitable boxes to install selected options			
✓ Options Configuration			
I ✓ Deployment Applications			
I Python Libraries			
V Powershell Modules			
Reset Extended Properties			
OK Cancel			

You will be directed to below PowerShell window. Provide the directory that contains unzipped Enablement Pack.

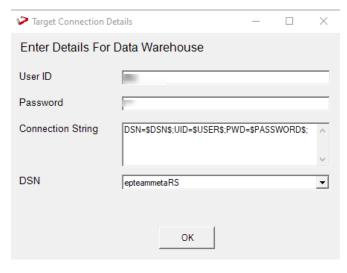


#### Press OK

The user will be directed to the window below, where they have to select if the user wants to create a new profile.

Please Select Required Field	_	$\times$
Do you want to create a new profile	file?	
Yes, Create new one		
C No, Use existing one		
ОК		

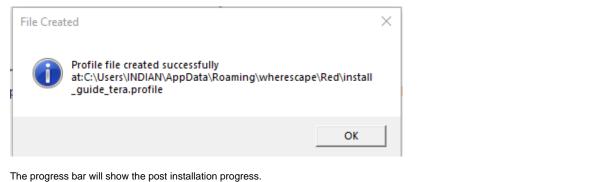
If the user selects 'Yes,' they must enter the data warehouse details. If the user selects 'No,' they must choose an existing profile file to use.



Enter profile file name

🎾 Profile File Name	_	×
Please enter the profile f	ile name:	
had put on		
	ок	//

#### profile file gets created successfully

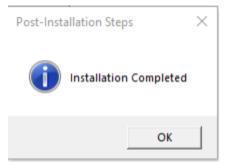


Post-Installation Steps	_	$\times$
25%		
Enablement Pack Setup		
Setting extended properties and windows connection		

User will have to choose the database for the target setting that were provided. One pop up will come for setting default target for Date Dimension.

$\triangleright$	Select Target Name 🗧		×
Ple	ease select target name to install Date	Dime	ension:
	_		
ept	teammetaRS		-
	ОК С	Cancel	

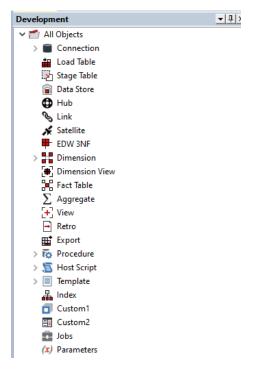
After selecting the target progress bar will show the progress for the installation and once it's completed, you will get the below pop up.



After pressing OK RED10 will open automatically.

Developm	sent • 1 ×	Obj	ject R	esults	
🗸 🗂 All	Objects				
>	Connection				
**	Load Table				
	Stage Table				
1	Data Store				
•	Hub				
0	Link				
*	Satellite				
	EDW 3NF				
<u>i</u> ∎	Dimension				
- F	Dimension View				
X	Fact Table	-			
	Aggregate	Resu			- (1)×
	View	0	bject		Message
		0	F.	wsl_post	. owner "dim_date_td"
<b>B</b>	Export	۲	┝		. 603 Success object:generate-routine The routine "unix_action_dim_date_td" was generated for the routine owner
	Procedure	0	L	wsl post	. "dim_date_td"
		0			700 Success Execute-SQL-Block {Execute SQL Queries from ODBC connection to: install guide tera}
	Template		Г	wsl_post	
		0	-		
0		0	F	wsl_post	
21		0	+		. Installer log saved to file: C:\Users\INDIAN\AppData\Locaf\Temp\WsEnablementPackinstall_0114042616.log
		0	L	wsl_post	. Post installation steps are completed. Please restart RED once to continue

User will need to restart RED once.



# **Upgrade Of Existing Repository**

For upgrade of existing repository

• From host script set script type of wsl\_post\_install\_enablement\_pack as Auto Execute - PowerShell Script

operties	Name:	wsl_post_install_enablement_pack	T	ype: Auto Execute - PowerShell :
otes	Purpose:	This script was inserted by WhereScape RED CLI		
	Owner:	WhereScape RED CLI	Delete	Lock
	Last Update By:			
	Connection Name:		~	
	Edit Lock			
	Locked For Edit By:			
	Edit Lock Reason or Last Update:	New Script		~

#### Important Upgrade Notes

If RED upgrade the repository option is chosen.

This enablement pack will overwrite any existing Source Enablement Pack UI Configs:

Connection UI Config	Load UI Config
Amazon S3	Load From Amazon S3
Azure Data Lake Storage Gen2	Load From Azure Data Lake Storage Gen2
Google Cloud	Load From Google Cloud

To ensure existing Source Enablement Pack connections and associated Load Tables continue to browse and load:

Go into UI Configuration Maintenance in RED prior to installing this Enablement Pack and rename the affected UI Configurations. While the updated Load Template will work with previous Source Enablement Pack's we recommend moving these previous versions of Load Tables to newly created Parser based connections following this install. The earlier versions of the Source Enablement Pack will be deprecated following this release.

# Post Install Steps – Optional

If you used the script Setup Wizard for installation then the following optional post install steps are available.

### **Configure Connections**

There were two connections added that will optionally require your attention :

- 1. Connection: 'Database Source System' this connection was setup as an example source connection,
  - · open it's properties and set it up for a source DB in your environment
  - or you can remove it if not required
- 2. Execute Update Procedure for dim\_date\_td to Initialize Date Dimension for Target

		Re-create an Existing Table			×			
Dimension epteammetaRS.dim_date_td Procedures associated with this table wil	Dimension epteammetaRS.dim_date_td already exists. All data will be lost! Procedures associated with this table will be invalidated.							
Drop and Re-Create it?								
(Right click on an item, other than the fin	st item, for cont	ext menu options.)						
Object	Action	Note						
_dim_date_td table	Recreate							
update_dim_date_td stored procedure	Recompile	*** Procedure has been modified ***						
update_dim_date_td stored procedure	Execute							
dim_date_td table	Display Data							
✓ Save these choices as the Defaults	✓ Save these choices as the Defaults							
Count the Rows in the Table Note:	A row count m	ay take some time for large tables.		ОК	Count the Rows in the Table Note: A row count may take some time for large tables. OK Cancel			

NOTE: Please avoid regenerating the procedure update\_dim\_date\_td as it is a custom procedure.

# **Source Enablement Pack Support**

Source Pack Name	Supported By Teradata	Supported Features	Prerequisites
Amazon S3	Yes		Teradata Access Module for S3 (CSV) - Create a credential file by following the documentation linked below, and paste the directory location of the credential file into the 'Amazon S3 Config Directory' Extended Property:
		Load Template, Source Properties will have following file load routine options:	https://docs.teradata.com/r/Enterprise_IntelliFlex_Lake_VMware/Teradata-Tools-and-Utilities- Access-Module-Reference-20.00/Teradata-Access-Module-for-S3/The-config-and-credentials- Files
Azure Data Lake Storage Gen2	Yes	<ul> <li>MultiLoad</li> <li>FastLoad</li> <li>Load TPT</li> <li>UpdateTPT</li> <li>StreamTPT</li> </ul>	Teradata Access Module for Azure Blob (CSV) - Create a credential file by following the documentation linked below, and paste the directory location of the credential file into the 'Azure Config Directory' Extended Property: https://docs.teradata.com/r/Enterprise_IntelliFlex_Lake_VMware/Teradata-Tools-and-Utilities-Access-Module-Reference-20.00/Teradata-Access-Module-for-Azure-Blob/The-Credentials-File
Google Cloud Storage	Yes	-	None
Windows Parser	Yes	_	Refer to Windows Parser Guide
Database	Yes	Load Template, using TPT Load Type, Source Properties will have following types: • Load TPT • UpdateTPT • StreamTPT Load Template with Script based load type.	None

# **Troubleshooting and Tips**

### **Run As Administrator**

Press the Windows Key on your keyboard and start typing cmd.exe, when the cmd.exe icon shows up in the search list right click it to bring up the context menu, select "Run As Administrator"

Now you have an admin prompt navigate to to the folder where you have unpacked your WhereScape Red Enablement Pack to using the 'cd' command:

C:\Windows\system32> cd <full path to the unpacked folder>

Run Powershell (.ps1) scripts from the administrator prompt by typing the Powershell run script command, for example:

C:\temp\EnablementPack>Powershell -ExecutionPolicy Bypass -File .\Setup\_Enablement\_Pack.ps1

Notes: In the event you can not bypass the Powershell execution policy due to group policies you can instead try "-ExecutionPolicy RemoteSigned" which should allow unsigned local scripts.

### **Windows Powershell Script Execution**

On some systems Windows PowerShell script execution is disabled by default. There are a number of workarounds for this which can be found by searching the term "PowerShell Execution Policy".

Here is the most common workaround which WhereScape suggests, which does not permanently change the execution rights:

Start a Windows CMD prompt as Administrator, change directory to your script directory and run the WhereScape Powershell scripts with this command:

cmd:>Powershell -ExecutionPolicy Bypass -File .\<script\_file\_name.ps1>

### **Restarting failed scripts**

Some of the setup scripts will track each step and output the step number when there is a failure. To restart from the failed step (or to skip the step) provide the parameter "-startAtStep <step number>" to the script.

Example:

Powershell -ExecutionPolicy Bypass -File .\<script\_file\_name.ps1> -startAtStep 123

Tip: to avoid having to provide all the parameters again you can copy the full command line with parameters from the first "INFO" message from the beginning of the console output.

## Python requirements for offline install

Additionally to the base Python installation being required, the WhereScape Python Template set also requires certain additional Python libraries. The install scripts uses the PIP (package manager) to download these libraries, however for offline installs you will need to install the required libraries yourself.

Required Python libraries/add-ons:

- pywin32-ctypes
- python-tds
- pywin32
- glob2
- gzip-reader
- regex
- pyodbc

#### To create view with cross database reference

For cross database reference view creation user needs to run this command "GRANT ALL ON DATABASE1 TO DATABASE2 WITH GRANT OPTION"

#### If a valid RED installation can not be found

If you have RED 10.x or higher installed but the script (Setup\_Enablement\_Pack.ps1) fails to find it on you system then you are most likely running PowerShell (x86) version which does not show installed 64 bit apps by default. Please open a 64 bit version of PowerShell instead and re-run the script.