



Aranda Database Tools

Also known as DBTools or ADBT, it is a tool that allows you to download and install the database version packages necessary for the correct functioning of Aranda version 9 products. In addition, it allows you to modify the configuration files of consoles and services in on-premise installations.

Requirements

Installation requirements

On the computer where DBTools v9 is installed, the following dependencies must have been previously installed in this order:

Application	Description	Download link
Visual C++ 2017 Redistributable	Installs files required by Microsoft® ODBC Driver 17 for SQL Server	Download
Microsoft® ODBC Driver 17 for SQL Server	Library required by Microsoft Command Line Utilities for SQL Server	See
Microsoft Command Line Utilities for SQL Server	Utility that allows you to run database deployments and updates	See

SQL Database Requirements

The DB instance must have the feature enabled Full-Text and Semantic Extractions for Search.

Installation

DBTools Installation

Installation procedure

Once you have met the installation requirements, follow these steps to install Aranda Database Tools:

1. Run the installer Aranda.ADBT and follow the on-screen instructions.
2. When the installation is complete, open the app Aranda Database Tools.

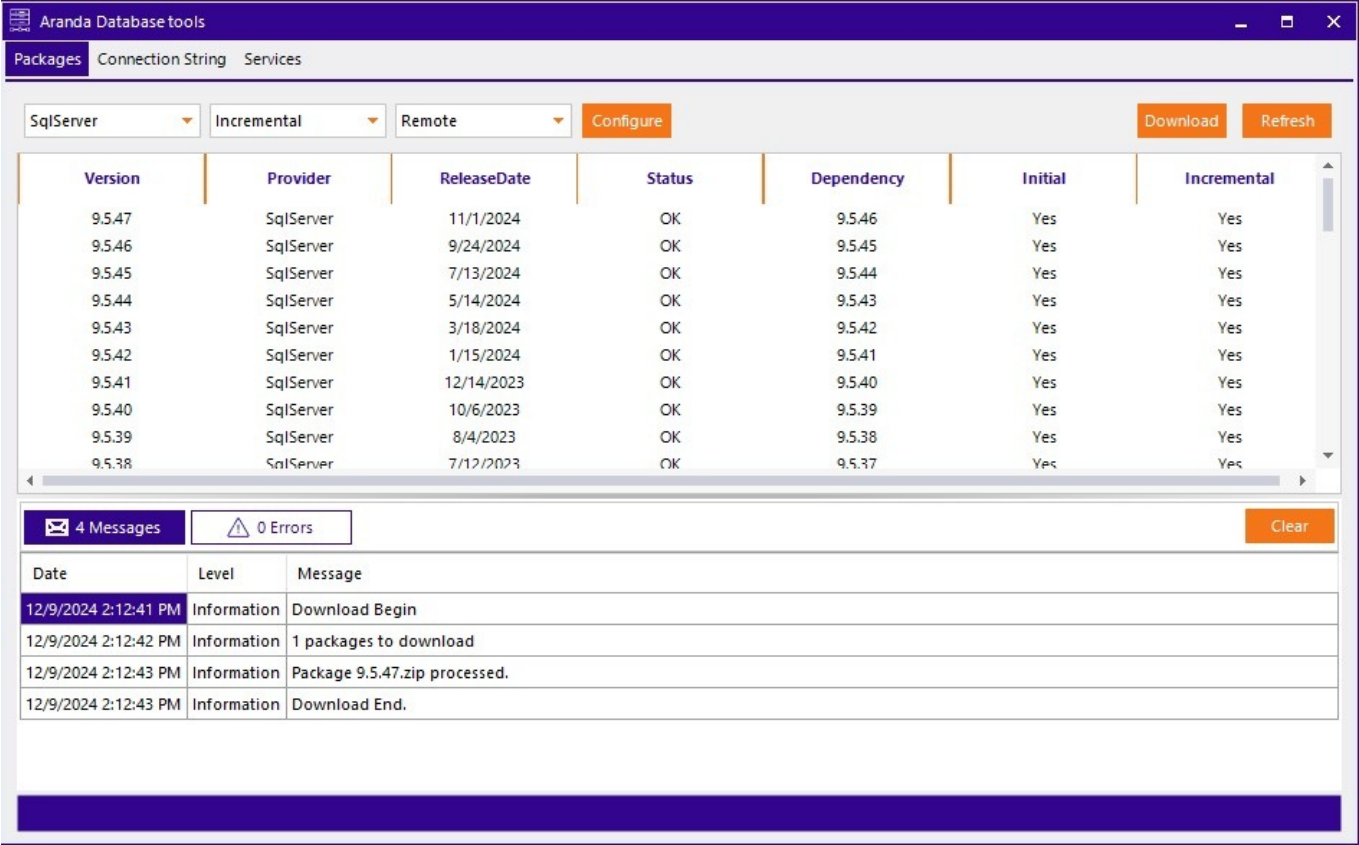
The app will appear with the name **Aranda Database Tools** on your team.



Aranda Database Tools Modules

Packages

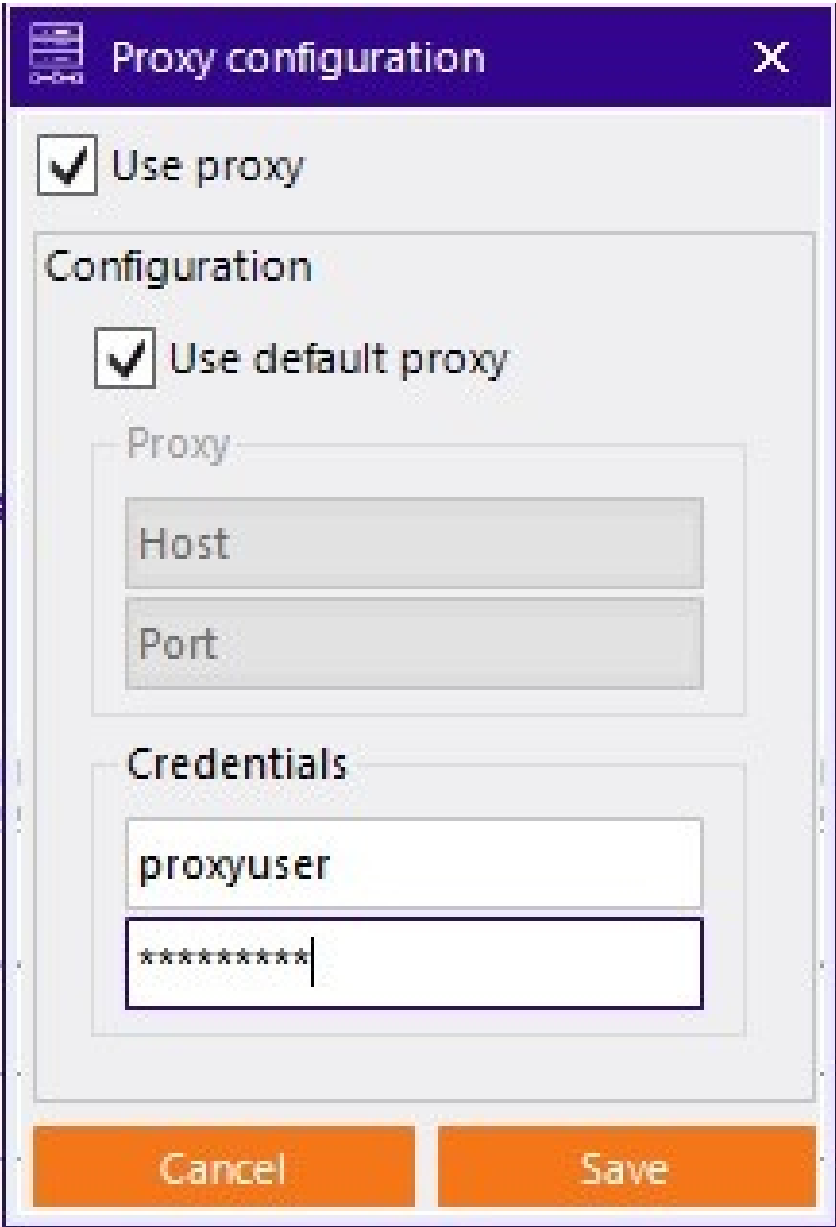
The database creation and update scheme is done through the distribution of packages by version. The package module allows you to download package versions of databases via an FTP server or the local file system (removable disk or USB stick).



Download packages

Steps to download a package

1. Selecting the Database Provider
At the top of the screen, select the database provider SqlServer.
2. Select the download type
The available options are:
 - Incremental: You get the missing packages (new versions) or those that are not available in the storage location.
 - Total: Overwrites existing files.
1. Select the source of the packages
The available options are:
 - Remote: The app downloads the packets directly from Aranda’s servers. If network policies require you to go through a proxy to access the Internet, click the Set and record proxy information.



- FileSystem: The user manually downloads the SQL packages and saves them locally to a folder called SQL.
1. Start the download
Click the Download (Download) to start the download process.

Download details

In the download box, you can see the detail of the package with the following data:

- Version
- Supplier

- Release Date
- State
- Dependence
- Initial scripts
- Incremental scripts

If the state is Not found (Not found), the package is unavailable and you need to retry the download.

Version	Provider	ReleaseDate	Status	Dependency	Initial	Incremental
9.5.46	SqlServer	9/24/2024	OK	9.5.45	Yes	Yes
9.5.45	SqlServer	7/13/2024	OK	9.5.44	Yes	Yes
9.5.44	SqlServer	5/14/2024	OK	9.5.43	Yes	Yes
9.5.43	SqlServer	3/18/2024	OK	9.5.42	Yes	Yes
9.5.42	SqlServer	1/15/2024	OK	9.5.41	Yes	Yes
9.5.41	SqlServer	12/14/2023	OK	9.5.40	Yes	Yes
9.5.40	SqlServer	10/6/2023	OK	9.5.39	Yes	Yes
9.5.39	SqlServer	8/4/2023	OK	9.5.38	Yes	Yes
9.5.38	SqlServer	7/12/2023	OK	9.5.37	Yes	Yes
9.5.37	SqlServer	6/11/2023	OK	9.5.36	Yes	Yes

At the bottom of the screen, a log of messages is displayed indicating actions that are being performed or errors that may occur during downloading.

Aranda Database tools

Packages

Connection String

Services

SqlServer

Incremental

Remote

Configure

Cancel

Refresh

Version	Provider	ReleaseDate	Status	Dependency	Initial	Incremental
9.5.39	SqlServer	8/4/2023	OK	9.5.38	Yes	Yes
9.5.38	SqlServer	7/12/2023	OK	9.5.37	Yes	Yes
9.5.37	SqlServer	6/11/2023	OK	9.5.36	Yes	Yes
9.5.36	SqlServer	5/19/2023	OK	9.5.35	Yes	Yes
9.5.35	SqlServer	4/20/2023	OK	9.5.34	Yes	Yes
9.5.34	SqlServer	3/22/2023	OK	9.5.33	Yes	Yes
9.5.33	SqlServer	2/6/2023	OK	9.5.32	Yes	Yes
9.5.32	SqlServer	1/13/2023	OK	9.5.31	Yes	Yes
9.5.31	SqlServer	12/6/2022	OK	9.5.30	Yes	Yes
9.5.30	SqlServer	11/12/2022	OK	9.5.29	Yes	Yes

40 Messages

0 Errors

Clear

Date	Level	Message
12/12/2024 6:08:36 PM	Information	Download Begin
12/12/2024 6:08:37 PM	Information	48 packages to download
12/12/2024 6:08:37 PM	Information	Package 9.5.0.zip processed.
12/12/2024 6:08:38 PM	Information	Package 9.5.1.zip processed.
12/12/2024 6:08:38 PM	Information	Package 9.5.2.zip processed.
12/12/2024 6:08:38 PM	Information	Package 9.5.3.zip processed.

81 %

00:00:09

Package Removal

This section describes how to delete packages from the database.

Steps to delete a package

1. Select the package: Right-click on the package you want to delete.

2. Start the removal: From the shortcut menu, select the Delete.

3. Confirm the action: A confirmation window will appear.

- Press Yes to proceed with the deletion.
 - Press No or Cancel to cancel the operation.

Aranda Database tools

Packages

Connection String

Services

SqlServer

Incremental

Remote

Configure

Download

Refresh

Version	Provider	ReleaseDate	Status	Dependency	Initial	Incremental
9.5.47	SqlServer	11/1/2024	OK	9.5.46	Yes	Yes
9.5.46	SqlServer	9/24/2024	OK	9.5.45	Yes	Yes
9.5.45	SqlServer	7/13/2024	OK	9.5.44	Yes	Yes
9.5.44	SqlServer	5/14/2024	OK	9.5.43	Yes	Yes
9.5.43	SqlServer	3/18/2024	OK	9.5.42	Yes	Yes
9.5.42	SqlServer	1/15/2024	OK	9.5.41	Yes	Yes
9.5.41	SqlServer	12/14/2023	OK	9.5.40	Yes	Yes
9.5.40	SqlServer	10/6/2023	OK	9.5.39	Yes	Yes
9.5.39	SqlServer	8/4/2023	OK	9.5.38	Yes	Yes
9.5.38	SqlServer	7/12/2023	OK	9.5.37	Yes	Yes

2 Messages

0 Errors

Clear

Date	Level	Message
12/12/2024 5:50:46 PM	Information	Loading SqlServer packages.
12/12/2024 5:50:47 PM	Information	48 packages loaded

Remove package

!

Do you want delete this package [9.5.47]

Yes

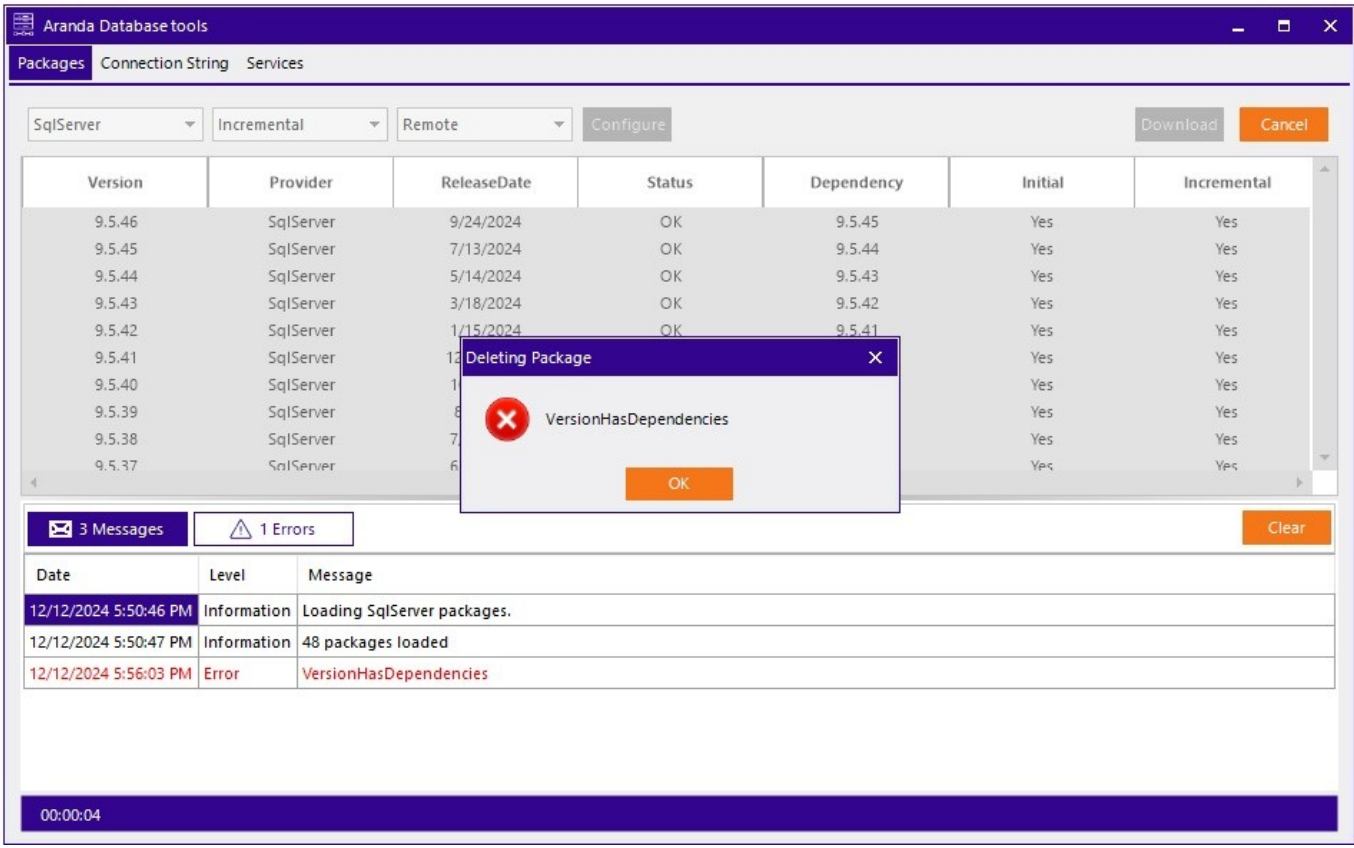
No

Cancel

Restrictions on Deletion

If the package you are trying to delete is an intermediate package or has active dependencies, you cannot delete it until those dependencies are resolved.

When attempting to delete a package in this condition, the application will display an alert window informing of the restrictions.



📌 Note: Be sure to remove packages from highest to lowest version (e.g., first 9.5.46, then 9.5.45, etc.)

Connection chains

This module allows you to register the connection strings to the database, which will later be used for the deployment or update of a database.

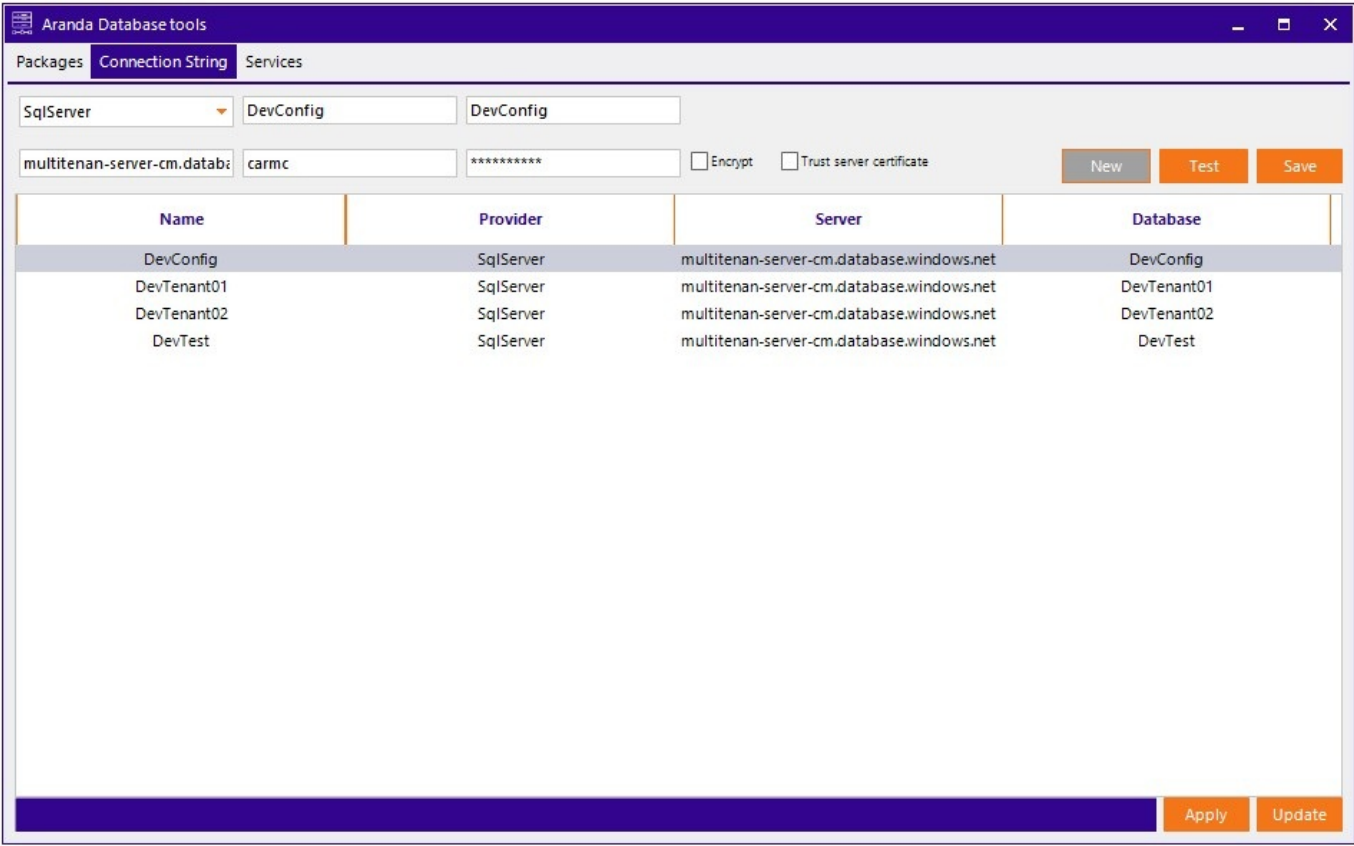
Steps to register a connection string:

1. Click the New.
2. Select the database provider at the top of the screen. The available options are:
- SqlServer
1. Name to identify the connection.

2. Record connection data:

Enter the necessary information: database name, server name, IP address, username, and password.

3. Click the Save (save).

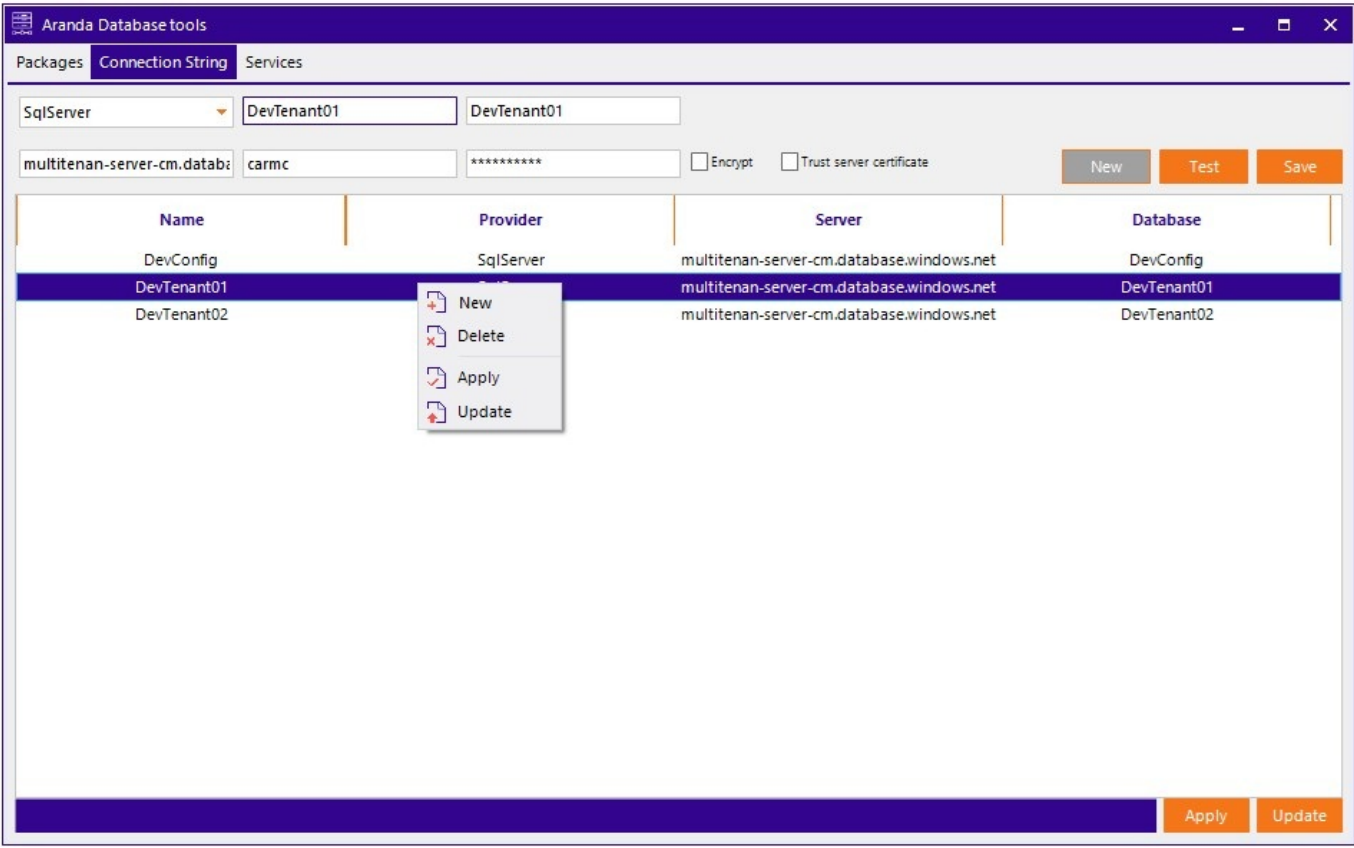


Test the connection

To test the connection and make sure it's correct, click the Test. You will receive an alert indicating whether or not the connection could be established.

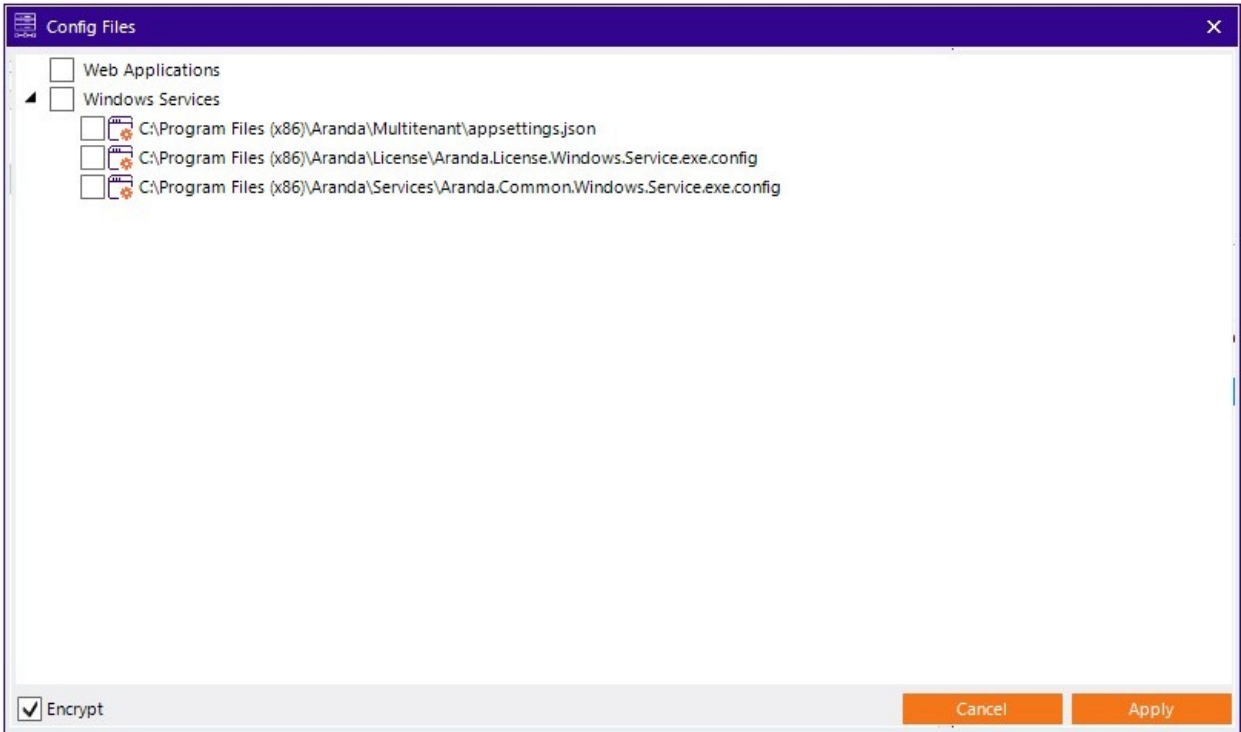
Edit or delete a connection string

If after saving you want to edit or delete a string, right-click on the item in the list and select the corresponding option.



Important Notes

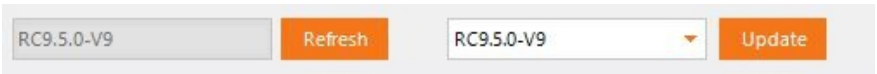
- Note:
- The database must exist previously, i.e., it must have been created in the instance where it is to be deployed.
 - The application is only responsible for creating and/or updating the schema.
- Note:
- If you want to apply the strings to installed apps, select the string and click the Apply (apply) located at the bottom right or via the context menu. A dialog box will open with the list of applications and services available on that computer. Select them and click Apply (apply).



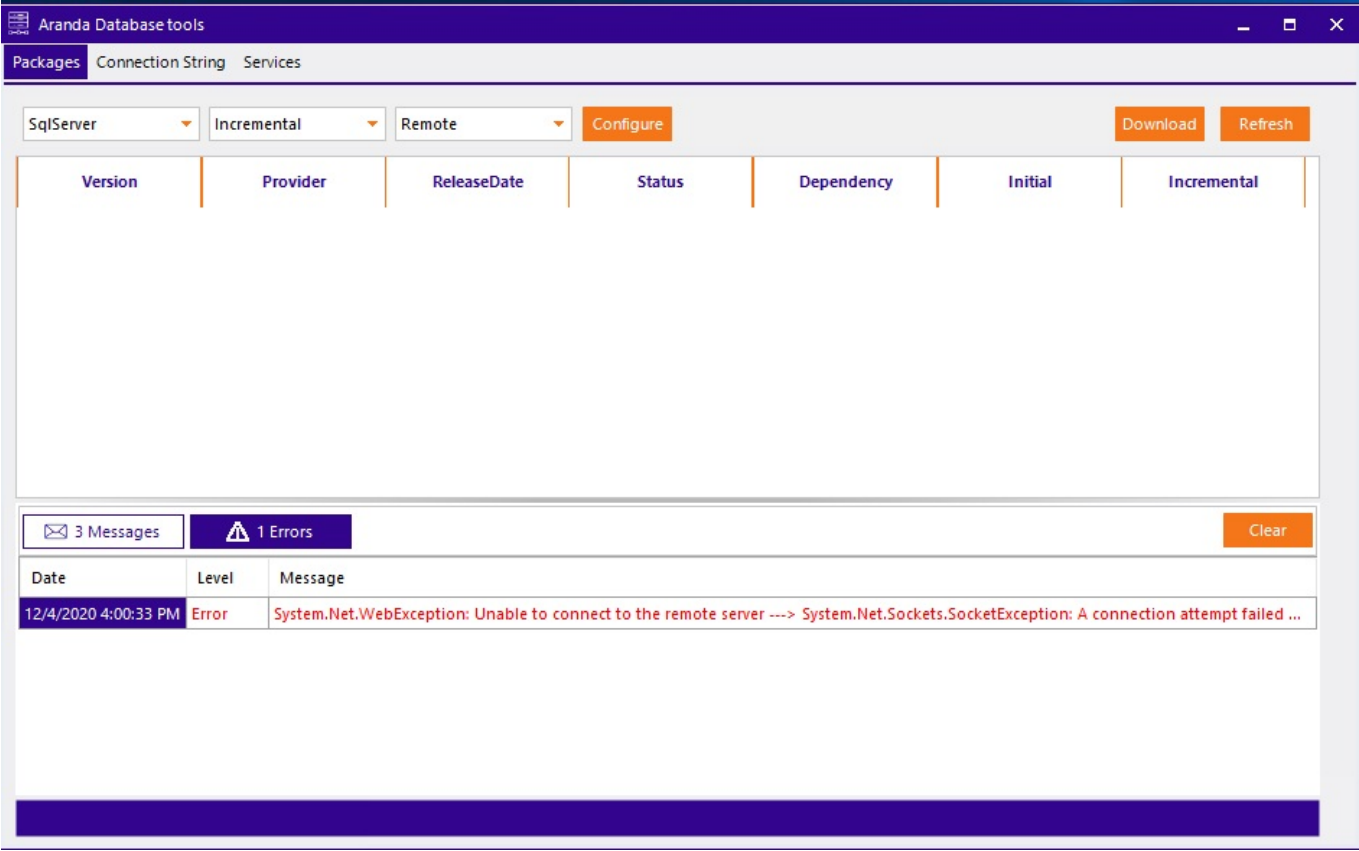
- Note:
- If you want to deploy or update the databases, select the string and click the Update (update) located at the bottom right or through the context menu.

Steps to update the database:

1. Double-click the version you want to deploy, or select the version and click the Update button.



The update information log shows step-by-step the actions that are being executed and any possible errors that may arise.



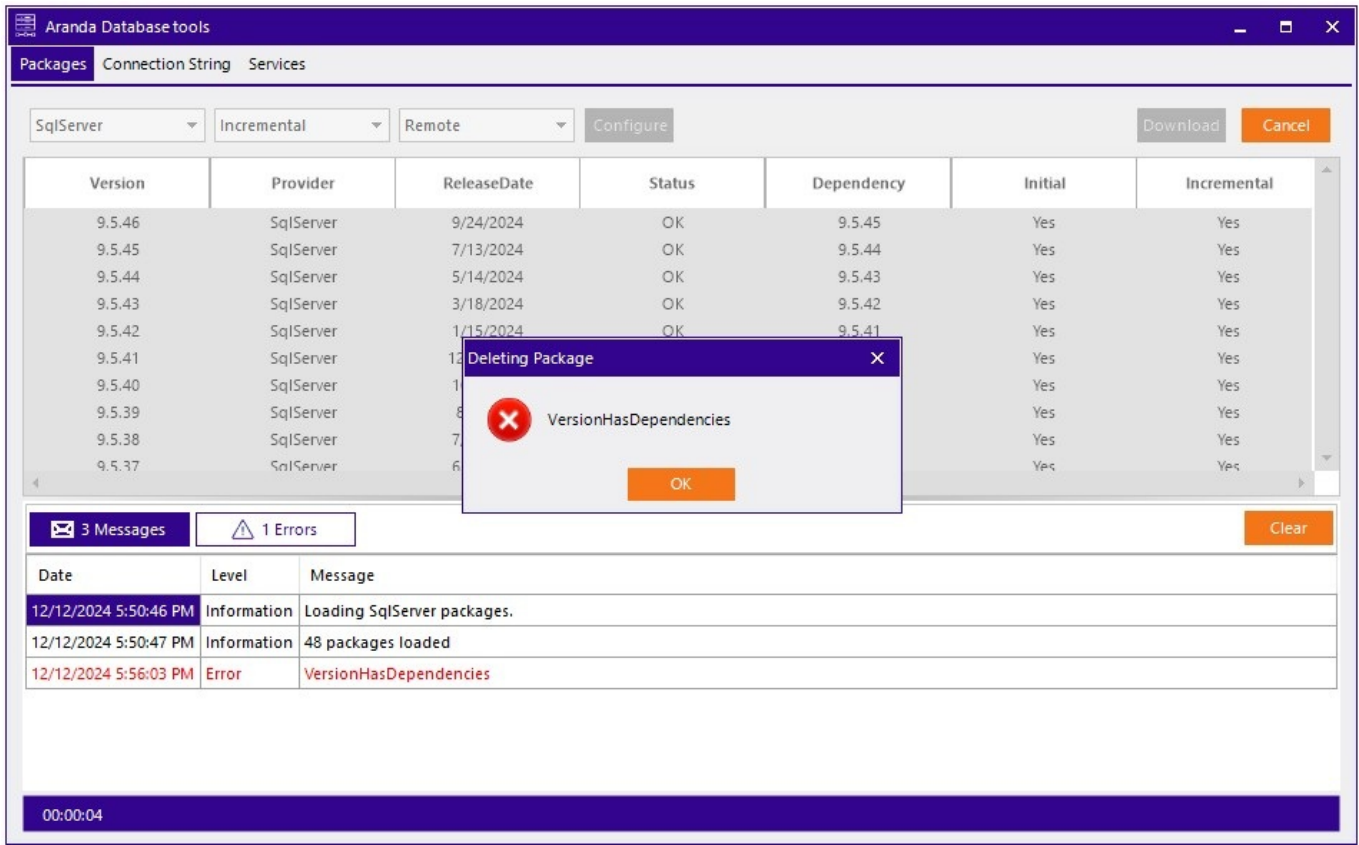
Solution:

- 1. Verify URL Access:
Try accessing the URL where the packages are hosted from a browser:
<https://download.arandasoft.com/ADBT/V9>.
If you don't have internet access, you can deploy the packages manually. To do this, go to the [Packages](#).
- 2. Proxy Settings:
If you need to access through a proxy, set the corresponding option to Set, located in the Package.
- 3. Check the host configuration:
The host for package download may not be correct. Check the RequestConfiguration in the configuration file Aranda.ADBT.Windows.Application.exe.config, located in the root folder of Aranda DB Tools.
Make sure the host URL is:
<https://download.arandasoft.com/ADBT/V9>

Unable to delete a package

If you have an error like this:

VersionHasDependencies This error indicates that the package you are trying to delete has active dependencies or is an intermediate package. You can't delete it until those dependencies are resolved.



Solution:

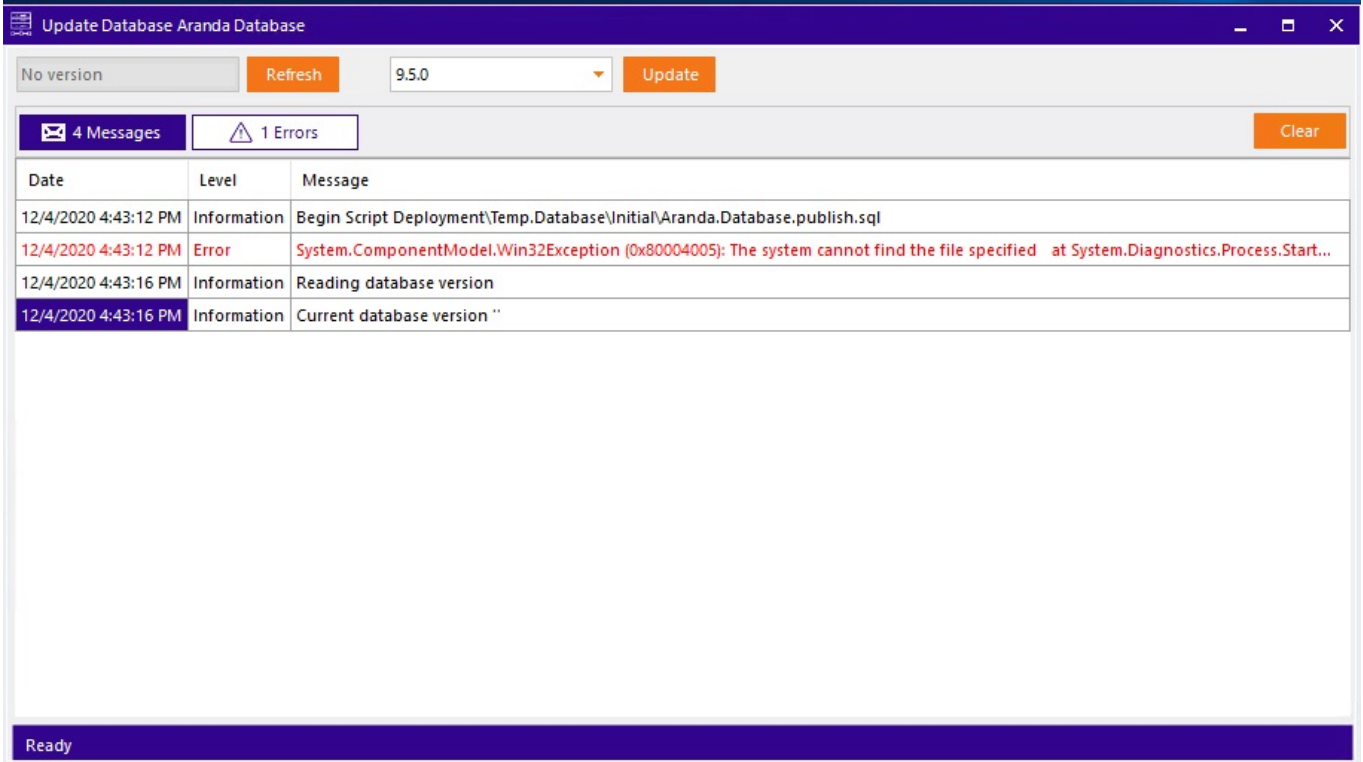
- 1. Review dependencies:
Check if the package has active dependencies. To delete the package, you need to make sure that all packages that depend on it are deleted first.
- 2. Removal in Version Order:
Be sure to delete packages in order of version, starting with the highest versions. For example, delete the package with version 9.5.46 first, and then the package with version 9.5.45.

Database deployment

Failure to deploy or upgrade a database version

If the following error occurs when updating a database:

System.ComponentModel.Win32Exception (0x80004005): The system cannot find the file specified



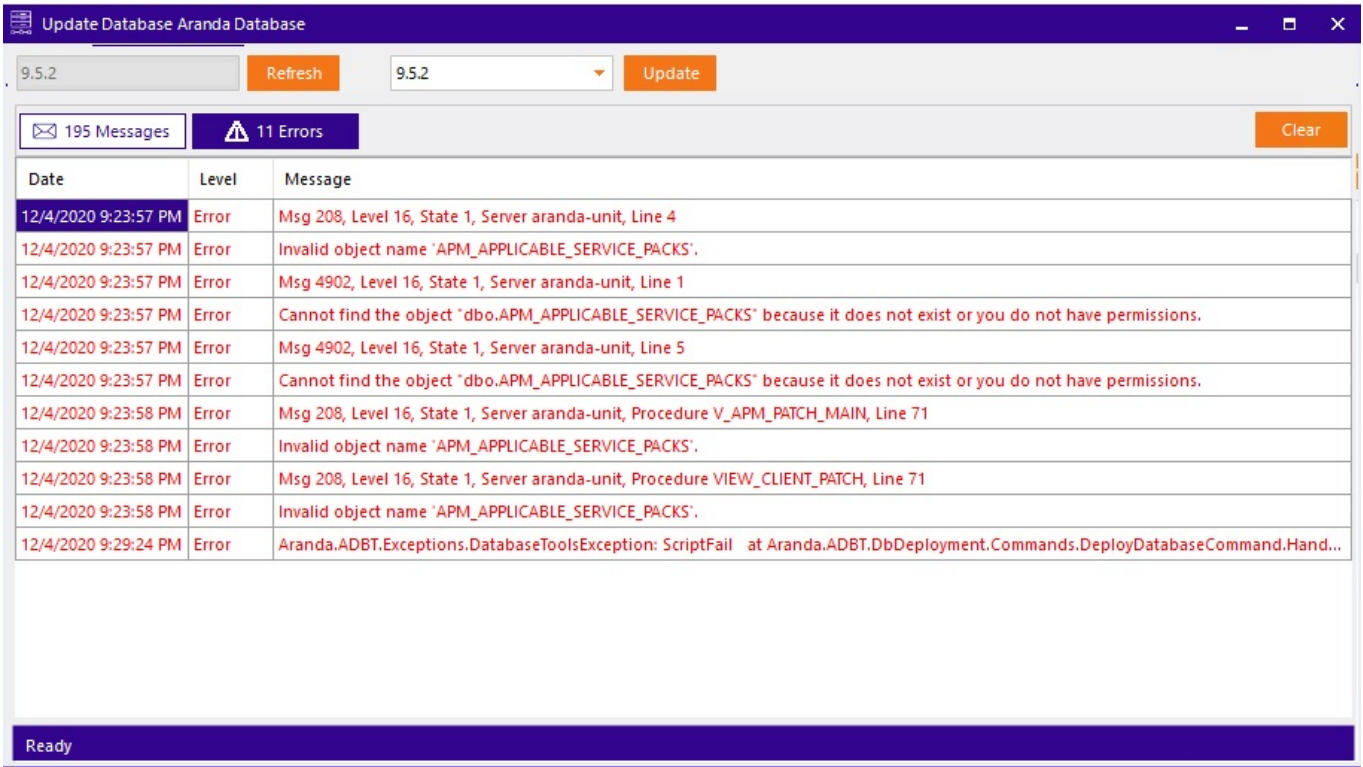
This error can occur if the SQLCommandLine on the machine. To resolve it:

- 1. Go to the [Installation Requirements](#).
- 2. Install the necessary programs.
- 3. Restart Aranda DB Tools.

Script execution failed

If an error occurs during execution and the system throws the following exception:

Aranda.ADBT.Exceptions.DatabaseToolsException: ScriptFail

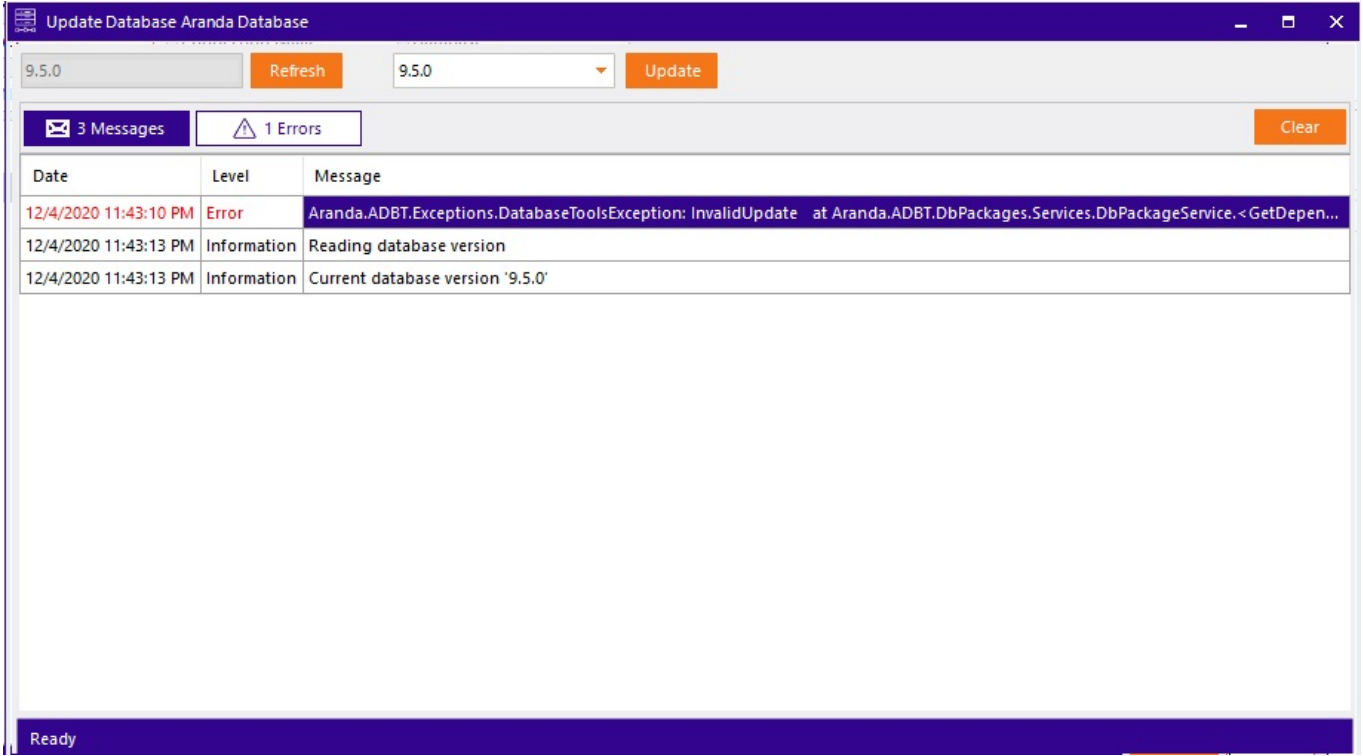


Before proceeding, verify that the Database structure match the version you're trying to update.

Missing Packages

If you are upgrading the database (for example, from 9.5.0 to 9.5.6) and you encounter the following error:

Aranda.ADBT.Exceptions.DatabaseToolsException: InvalidUpdate

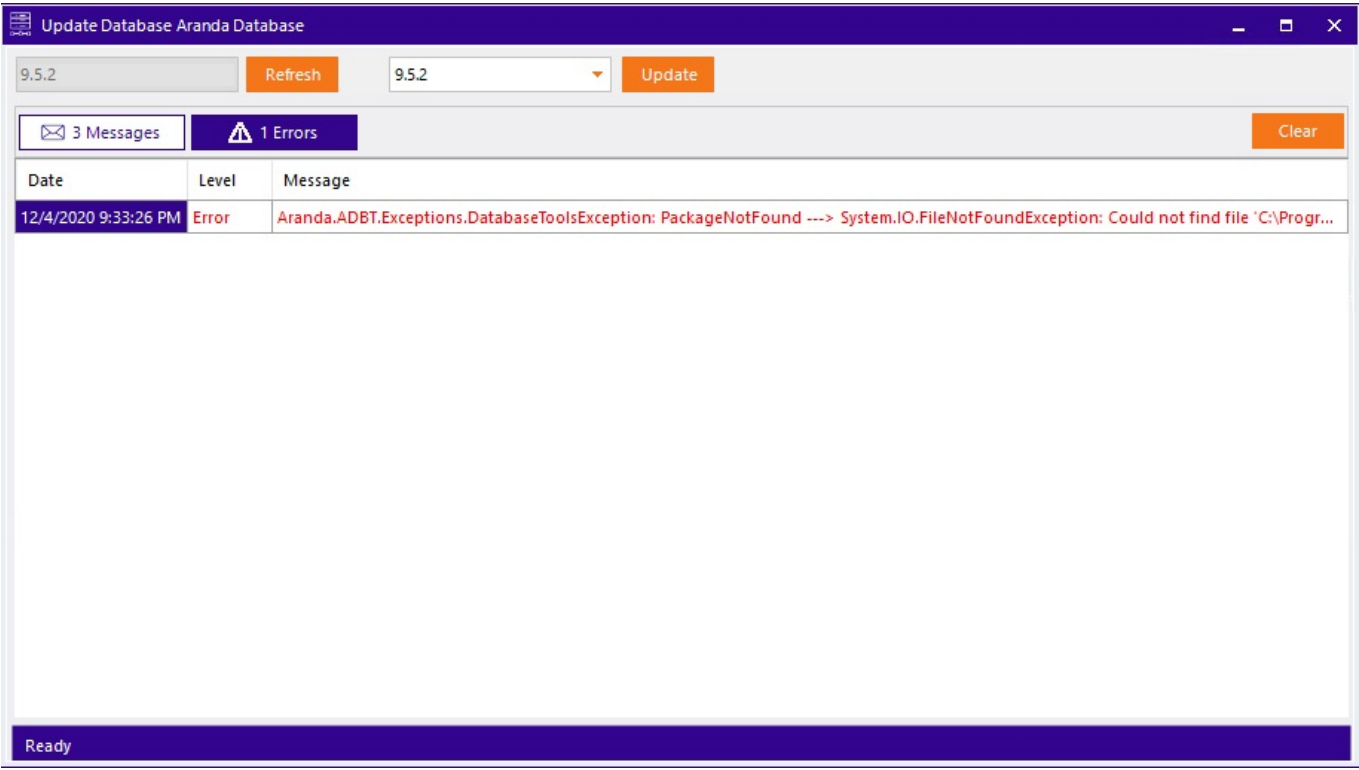


Remember that you need the intermediate versions to complete the update. Verify that the intermediate versions exist in the corresponding folder. If they are not present, please go to the [Packages](#) and follow the steps to download them.

Package not found

If you encounter the following error:

Aranda.ADBT.Exceptions.DatabaseToolsException: PackageNotFound --> System.IO.FileNotFoundException: Could not find file '...\Packages\SqlServer\9.X.X.zip'.



Verify that in the Packages packages have the status Ok. If not, head over to the [Packages](#) and follow the steps to fix it.