

# ASPEN Relay Database

## Version 12.2 Update

ASPEN is pleased to release ASPEN Relay Database™ version 12.2. This release contains fixes for all known bugs to date plus new features and improvements.

Use the setup programs you downloaded from ASPEN to update existing ASPEN Relay Database version 12 installations or to make new installations:

- Run RDBV12.2ClientAndAdminSetup.exe to create or update an administrator installation. This setup will install/update both the Relay Database Administration Program and the Client Program on the machine.
- Run RDBV12.2ClienOnlySetup.exe to create or update a client installation. This setup will install or update only the Client Program on the machine.
- On an intranet IIS web-server, run RDBV12WebSetup.exe to install or update the Relay Database Web Extension program components.
- On an intranet IIS web-server, run RDBV12APISetup.exe to install or update the Web API module program components.

This update requires changes in the database structure of the existing ASPEN Relay Database version 11. Consult the Administration Manual or on-line help for additional database update instructions.

Please write (support@aspeninc.com in English or soporte@aspeninc.com in Spanish or Portuguese) or call (650-347-3997) us if you have questions.

### New features and improvements between V11.5 and V12.2

- **Replace the deprecated data types:** Version 12 Client/Server uses new data fields to replace the deprecated data types in the database:
  - **Oracle DB server:** CLOB replaces LONG filed type, BLOB replaces LONG RAW type
  - **MS SQL server:** VARCHAR(MAX) replaces TEXT type and VARBINARY(MAX) replaces IMAGE type

**Important note for Oracle DB users:** *Oracle DB server users will have to update all the data link files (\*.udl) to use the Oracle OLE DB provider to allow the ASPEN Relay Database V12 to work correctly with the new data types.*

- **New user password encryption level option:** Users now have additional options to encrypt the password for connecting to the DB server and the password of Relay DB users using highly secure SHA2 512 and EAS 256 algorithms respectively.
- **Form tab control in the main window:** Relay DB V12 main window includes a new tab control that allows user to quickly switch to any active data form.

- **Pick list in numeric fields:** In Relay DB V12 administrators can set up pick list for numeric data fields.
- **Multi-select pick list:** This option allows users to select multiple items in a pick list.
- **Data form field comment:** In Relay DB V12 administrators can set up a hint text string for each field in a data form. The program will show the string when the user hovers the mouse over the field label.
- **New date picker control:** This control makes it easier for users to enter data in date/time fields.
- **Change history:** The new feature let users display the history of changes for a data record or a setting parameter.
- **Compare more than two setting requests:** Users can include up to 10 setting requests in the comparison.
- **New import filter for SEL-5231 data source:** This filter allows users to import SEL relay settings from SEL-5231 web API data servers.
- **New form event script handler:** The new OpenLocationScanForm event will allow users to implement custom logic script for the Select Location form.
- **New built-in database scripts functions:** Relay DB V12 built-in script engine includes additional functions.
- **Form script function to disable form's signatures removal:** The RDB administrator can use this new script function to prevent users from removing their signatures from signed form.
- **Execute script from command line:** user can provide command line parameters to execute a script directly when the ASPEN Relay DB program is launched.
- **Graphic User Interface enhancements**
- **Display the field label in the script editor:** Relay DB V12 script editor displays field label, instead of built-in field name. The editor autocomplete function also displays list of field names in the class properties dropdown.
- **Improvements in the form label dialog box:** These will make it easier for users to edit form field labels and field orders.

### **Bugs fix between Version 11.5 and Version 12.2**

- Fixed bug that cause the program to display wrong number of hidden settings in a setting form
- Fixed bug which doesn't show the event handling for TUSERDEF7 in form event trigger
- Fixed bug in the setting/test custom form, which doesn't refresh setting grid when the user selects a different setting group
- Fixed bug in the SEL export function, which export the selected setting to SEL-5030 setting export format
- Fixed bug in the create briefcase function
- Fixed bug that cause the script fails to execute when an event script calls another event script.
- Fixed bug which causes the problem when importing SEL-5030 with long relay name
- Fixed bug in import function which fails to import Micom S1setting file.
- Fixed bug which makes the label overflow in the Scan form
- Fixed bug in the admin program, which causes the program fail to import setting templates
- Fixed bug that cause the program always hides permission list for TRANSFORMER setting and test in the user group properties form
- Fixed bug in import/export setting/test template with customized form included.

## Instructions to Install Relay Database V12

1. **Backup.** Backup your database, just in case.
2. **Install the Software.** There are two setup packages: The Administrator setup and the Client setup. The Administrator setup has both the Administration Program and the Client Programs. The Client setup has only Client Programs.

Follow the steps below to install the software on each PC:

- a. Download and save the setup to the local hard drive.
  - Use the Administration setup on Administrator's computers only.
  - Use the Client setup on computers used by all the other users.
  - The option to install the Template Editor should be activated on computers used by users with Template Editing privileges only.
- b. Run the setup and follow the instruction to install the software.

The default directory of Version 12 is different from that of prior versions; hence the new software will NOT overwrite your existing files by default.

3. **Update the Database:** In Version 12, some deprecated data field types are replaced with new fields. You must update your existing database before you can open it in Relay DB Version 12.

To update your database from version 11 or any prior versions, execute the following program, which the Relay DB V12.2 Client and Admin Setup had copied to the Relay Database V12 program folder:

- RdbUtilV12\_A.exe for the Unlimited Version.
- RdbUtilV12\_O.exe for the Oracle C/S Version.
- RdbUtilV12\_M.exe for the MS SQL Server C/S Version.

Detailed explanation of this step can be found in Section 2.6 and 3.6 of the Administration Program's on-line help.

### ***IMPORTANT NOTE:***

- This step should be done when no one is using the database.
- The current Microsoft OLE DB provider for Oracle does not support the new Oracle database field types. Therefore Oracle DB server users will also have to update the data link file (\*.udl) to use the Oracle OLE DB provider to allow the ASPEN Relay Database V12 to work correctly. This UDB file modification is NOT required for affect MS SQL server database users.

## Relay Database v12 Questions and Answers

**Q:** I am using the C/S relay database version. Do I need to get the Oracle or MS SQL server administrator help in updating database structure to version 12?

**A:** Version 12 is shipped with a utility program RDBUtilV12\_x.exe that you can run to update the existing database structure. However you will need the Oracle or MS SQL server administrator's help for the following tasks:

- Backup the existing database before updating so that you can roll back all changes in the unlikely case of data conversion failure.
- Look up the Oracle or MS SQL database password assigned for the default user of the relay database instance on the server. This is the same password that is stored on your computer in an encrypted file when the program is first installed. However you will need to type the password in the RDBUtilV12 program manually to update the database.

**Q:** I'm using the Oracle database. Do I have to update the data link file (\*.udl) before using the Relay Database V12?

**A:** The V12 database structure includes new data field types, which are not supported by the current Microsoft OLE DB Provider for Oracle, which most user are using by default. To allow the ASPEN Relay Database V12 to work correctly with the new data fields types in the database, you will have to update the provider in the data link file (\*.udl) to use Oracle provider for OLE DB.

This UDL file edit is not required for MS SQL server database users.

**Q:** Can users running version-11 client software open version 12 relay database?

**A:** You must not use Relay DB V11 software to open the V12 database to avoid data lost and corruption which can happen due to incompatibility in the field data types between these versions. You must first install Version 12 client software on your PC before opening the V12 database.

**Q:** Does ASPEN OneLiner™ version 15 work with Relay Database v12?

**A:** Yes. Everything will work. No change needs to be made to the *OneLiner* software

**Q:** Can I install the Version 12 Web extension program over the existing version 11 directory on the web server so that I don't have to go through the process of configuring the ISS server again?

**A:** Yes. That is a good idea.

**Q:** Can I preview all these new things in version 12 before actually make the changes in my existing database?

**A:** Yes, we saw this coming and we are prepared. You can install version 12 programs side by side with previous versions (in different directories, of course). The two versions can coexist

as long as you do not attempt to login to the database of one version with the program of the other version. In practical terms, that means you must be careful to select the correct mdb or UDL file in the login dialog box.