

ASPEN Relay Database Version 11.2 Release

This new release has a number of new features and improvements, which are listed below.

Please be aware that this release requires changes in the database structure. If you are using a version of the Relay Database prior to version 11, please see the Installation Notes section on the last page of this document and consult the Administration Manual for database update instructions.

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New features and improvements in Relay Database Client Program v11

- **Device setting and test forms:** Administrator can now enable setting and test forms not only for relay as in previous program versions, but also for all other device types: breaker, transformer, CT, PT, communication, and nine user-defined types. There is no limit on the number of setting and test requests that can be stored with each device record. Similar to relay settings and tests, device setting and test templates are fully customizable. Device setting and test forms data display can be configured by the administrator to show using the standard grid view or a custom form view.
- **Recycle bin:** When you deletes a data record, the program moves the data to the recycle bin instead of removing them permanently. This makes it possible for users to recover deleted data. When a record is recovered from the recycle bin, the program will also automatically recover all the related data that were deleted at the same time. For example when a deleted relay is recovered, all setting requests, tests, activities, links and attachments that belonged to the relay when it was deleted will also be recovered automatically.
- **New event triggers:** The database scripting engine now supports a number of new event triggers that you can use to customizing the program behavior. These include: external data import, briefcase operations, and revoke signature.
- **Enhanced stored-file management capabilities: file check-in/out:** Users can check out a file for modification and then check it back in. This will prevent other user to make changes to the file at the same time.
- **Enhanced stored-file management capabilities: multiple revisions:** Administrator can enable an option to automatically keep all revisions of a stored file. Users with correct privileges can view and retrieve any version from the link-file form.
- **Enhanced stored-file management capabilities: compare settings in stored file:** The compare settings command in this version will let you compare a setting request to a request in a stored setting file.
- **Enhanced stored-file management capabilities: query support:** You can include in queries data fields from stored file record such as: table name, stored file name and others.
- **New database script functions:** The scripting engine in v11 supports a number of new functions for database access and workflow management. Please refer to the Relay Database User Manual for details.
- **New GUI in Compare Settings command:** The new user interface will make it easier for you to locate and select setting requests for comparison.
- **New XML text data file format:** Import and export commands in v11 utilize a new XML-based text data file format. The new data-file structure allows the import and

export commands to be applied in all data forms more efficiently and with greater flexibility. The legacy comma-separated text setting file format can still be used in this program version.

- **Import/Export setting row visible flag:** Version 11 has option to include setting row visible flag in export and import settings in ASPEN text file formats.
- **Allow import function to stored setting file during the import process.** You can attach the SEL ASEerator 5030 setting or GE URS setting file to the imported setting when importing from an external setting file.
- **New GUI in administration program panels:** The new graphical user interface allows database administrators to manage user group privileges, program options and templates easier and more efficiently.
- **New search function in setting and test template list:** You can now search for a template name from setting/test template list.
- **New import filters for relay setting files:** The program can now import relay setting from additional manufacturer files: RXIO setting export file from ABB PCM600 software, setting export file in XML format from SIEMENS DIGSI software, ABB PCD offline setting files and AREVA setting export data files, new versions of SEL acSEerator database and setting export format.
- **Save scan form preferences as system default:** Administrator can save scan form preferences such as: column orders, column width and column visible flag in the database to be applied as default for all new users.
- **Introduce new variable Add Current_Object** to picklist query to allow user to build a picklist that includes criteria related to current form object field's value.
- **Improve setting import performance when importing a large setting file:** The new logic reduces the time to import a long setting for microprocessor relays from minutes to just a few seconds.

Bugs fix between Version 10.3 and Version 11

- Fixed a bug that causes the setting import command to fail with error message "Copy failed. Cannot open database" in some cases.
- Fix a bug that causes error in importing setting from SEL RDB file when selected SEL setting set name contains trailing space.
- Fixed a bug that caused error in the "Create new relay test" command with option "Create new test from an existing setting".
- Fixed a bug that caused form header to disappear when new setting and test are created.
- Fixed a bug that caused the program to hang in TASPENQuery record creation.
- Fixed error in the new activity command of Task form that that left the new activity record unattached to the selected device.
- Fixed a bug in query form data filter control.
- Fix error that caused the program to display in the script editor incorrect label in for trigger codes in User-Def4 to User-Def9 forms
- Fixed a bug that caused error in setting updating in MS SQL database with error code "The error code: Cannot create new transaction because the capacity was exceeded"
- Fixed a bug that caused the program to display extra empty rows in setting form and display the error when the form is refreshed or closed.
- Fixed a bug that caused error message "" is not a valid integer value " after user login.
- Fixed a bug that did not allow user to see the option to view hidden records in the query result from "User Query" form if none of the result record is visible.

- Fixed a bug that causes the program to hang when loading customize icon for User-Def4 to User-Def9 in scan form.
- Fixed problem that may remove the previous signature from a Setting/Test form if the user uses dash '-' character as the separator in date format.
- Added missing TPhoneRecords class to ASPEN Script.
- Fixed a bug that causes the script function Loadform fails to load activity form.
- Fixed a bug that causes the program to ignore some screens in import wizard and generates unexpected error in the import function.
- Fixed a bug that causes the program to update wrong setting/test field value during the briefcase synchronization process if the setting or test template contains more than 1000 setting parameters.
- Fixed a bug that sometime causes the edit boxes in custom form become read only.
- Fixed a bug that causes the program to generate exception if an event script code calls and execute another script from its code.
- Fixed a bug that may cause the program to hang when user tries to add a link file or stored file to Setting/Test/Device form.

Instructions to Install Relay Database v11

1. **Backup.** Backup your database, just in case.
2. **Make sure you already have all your reports in the *FastReport* system:** Run the Admin program and verify in File | System Options | Preferences screen that the Use Legacy QR2 report is not checked. QR2 reports are not supported by Version 11.
3. **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.

Please follow the procedure below to install the software at each PC:

- a. Download and save the setup to your local hard drive.
 - Use the Administration setup on Administrator's computers only.
 - Use the Client setup on computers used by all 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 11 is different from that of prior versions; hence the new software will NOT overwrite your existing files by default.

We strongly recommend that you consider the Workstation Setup process because it will make it easier for you to update your users in the future. Please see Section 3.8 in the Administration Program's on-line help for details.

4. **Update the Database:** In Version 11, we added several data tables as well as new columns in some of the existing data tables. Hence you must update your existing database files before you can open it with the Version 11 programs. To update your database (which can be from version 10 or any prior versions), execute the program:
 - RdbUtilV11_A.exe for the Unlimited Version.

- RdbUtilV11_O.exe for the Oracle C/S Version.
- RdbUtilV11_M.exe for the MS SQL Server C/S Version.

Note: RDBUtilV11_x.exe is included in ASPEN Relay Database Administration setup. You will find this utility in ASPEN Relay Database v11 folder after install this software to your computer.

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.*

You can start using the relay database version 11 after this step is completed successfully.

Relay Database v11 Questions and Answers

Q: Why do I have to update the structure of my existing database?

A: New and improved capabilities of version 10 such as device settings and test forms require changes to the database structure.

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 11?

A: Version 11 is shipped with a utility program RDBUtilV11_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 RDBUtilV11 program manually to update the database.

Q: Will users running version-10 client software be able to open version 11 relay database?

A: No. You must first install Version 11 client software on their PC.

Q: Can I use the Store Client Program Update feature in version 10 to distribute version 11 to all workstation computers?

A: No. The Store Client Program Update feature is designed for minor update and bug fixes. It will not work for this major program update.

Q: Does ASPEN OneLiner™ version 12 and 14 work with Relay Database v11?

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

Q: None of my reports in Version 9 appear in Version 11. Why?

A: You were using legacy *QuickReport* system in Version 9. This report system is no longer supported in Version 11. You will need to manually create *FastReport*

replacement for existing reports. Please see Appendix C in the Administration Program's on-line help for details.

- Q:** Can I install the Version 11 Web extension program over the existing version 10 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. To get a clean installation, you may want to remove all html and image files as well as the tmpxxxx folders that were left there by version 10 before running websetup.exe of version 11.

- Q:** Can I preview all these new things in version 11 before actually make the changes in my existing database?
- A:** Yes, we saw this coming and we are prepared. You can install version 11 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.