

Exporting a Solution from Servoy Developer

Once a solution is developed and ready to be deployed to clients, it needs to be moved to the deployment (Application Server) environment. The first step in deployment is getting the solution in a form that can be moved, that is exporting the solution.

Exporting a Solution

There are two formats in which a Servoy solution can be exported: `.servoy` file or `.war` file. The solutions of types other than Normal or Web/Smart Client Only can only be exported as a `.servoy` file.

Exporting To `.servoy` File

1. Do one of the following:
 - a. Go to **File > Export**. A window will appear. In the tree, select **Servoy > Export Active Solution**. Click on the **Next** button.
 - b. Right click on the active solution in the **Solution Explorer**. Select **Export Solution > File Export**. A window will appear.
2. Choose a name and a location for the export file. Click **Next**.
3. A list of options is now available. For a simple solution, all these options can be left unchecked. The options include:
 - a. Protect Solution with Password - Will require a password to import the solution; an extra security step to reduce unauthorized individuals access to the solution.
 - b. Export referenced modules - if checked, it will also export modules attached to the solution. The checked option will spawn an extra window to appear in the wizard to select which modules to export.
 - c. Export all tables from referenced servers - if checked, it will export all the tables for any server used in the solution. If it is unchecked, only tables that are actually used in the solution will be exported.



Note that if this option is unchecked, the tables which are not referenced by the solution will not be exported.

- d. Export metadata tables - if checked, it will export all the metadata tables referenced by the solution. If unchecked, no metadata table will be exported.
- e. Check metadata tables - if checked, before exporting, it will check whether the workspace meta data files are in sync with the database tables. If not, it will throw an exception with the suggestion to update the meta data for the tables first, and it will not continue the export. If it is left unchecked, the export will be done based on the existing workspace meta data files, without checking if they are in sync with the database tables or not. Nevertheless, if no metadata file is found in the workspace, the export will not continue, but throw an exception suggesting to update the meta data for the tables first.
- f. Export solution sample data - if checked, data (from the current connection) for every table exported will be included. All rows or a limited number of rows can be chosen to be exported.



CAREFUL

If the dataset is large, then exporting too many rows may fail.



TIP

Even if sample data has been exported, if there is data already in a table when importing, it will not move sample data to the table on import.

- g. Export i18n data - exports i18n keys used in the solution
- h. Export users - exports Servoy users specified in user and group security
- i. Export based on DBI files only - if checked, the export will be based on the data model of the `.dbi` files in the workspace, ignoring the structure of the database tables. If unchecked, the export will be based on the structure of the database tables.
This option is useful for example when the database that the Developer is connected to contains data model changes that should not be exported with the active solution.
4. Click **Finish** (if **Export referenced modules** is checked, select the modules to be exported, then click **Finish**)
5. The `.servoy` file will appear in the specified location.

Exporting To `.war` File

1. Do one of the following:
 - a. Go to **File > Export**. A window will appear. In the tree, select **Servoy > Export War File**. Click on the **Next** button.
 - b. Right click on the active solution in the Solution Explorer. Select **Export Solution > War Export**. A window will appear.
2. Choose a name and a location for the export file. Check the **Include active solution and modules** checkbox if the active solution and its modules need to be exported. If left unchecked, only the active solution will be exported. Click **Next**.
3. A list of all the plugins is shown. The plugins that will be used in the war can be left checked, the others can be omitted from the export.
4. A list of all the beans is shown. The beans that will be used in the war can be left checked, the others can be omitted from the export.
5. A list of all the laf files is shown. The lafs that will be used in the war can be left checked, the others can be omitted from the export.
6. A list of all the jdbc drivers is shown. The drivers that will be used in the war and are not provided by the application server in which the war will be deployed can be left checked, the others can be omitted from the export.
7. Select a servoy properties file to be used for the export.
 - a. If no file is provided, a default file will be generated. An extra page will be spawned in the wizard, where a few settings need to be specified for the generated servoy properties file:

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- Allow running smart clients - if checked, both smart web clients will be allowed to run, and it must be noted that when restarting the application context in the web container, the RMI classes will not be garbage collected, and that may lead to out-of-memory errors. If it is left unchecked, only web clients will be allowed to run.
 - Port used by RMI Registry - default port is 1099.
 - b. If a servoy properties file is specified, make sure the `SocketFactory.tunnelConnectionMode` on 'Network Settings' page in Servoy Admin is set to 'http&socket'.
8. Click **Finish** (if no servoy properties file is specified, the needed settings for the default generated file have to be provided on the next page, then click **Finish**).
 9. The `.war` file will appear in the specified location.

Quick Start Video
