Solution Export Reference

Export solutions for backup or reuse.

Solution Export provides tools for backing up complete solutions, creating plugins, and exporting configurations for version control or sharing.

Access: Solution Export

Export Commands

Export Global Commands

Command	Function	Description
Export to a Zip	Complete backup	Save entire project to a ZIP file
Export AssetTree to XML	Tags and assets	Export All Tags and Assets

Export Checked Items

Command	Function	Description
Create a Plugin	Plugin creation	Export selected items to a Plugin
Save as CSV file	Spreadsheet export	Export Tags configuration to CSV

Export Options

Located in "When exporting tags also export:" section:

Option	Description	Default
Alarm Items	Include alarm configurations with tags	Checked
Historian Tags	Include historian configurations	Checked
Device Points	Include device point mappings	Checked
Auto Check Dependencies	Automatically select related tags when including scripts or displays	Checked

Export Table

Selection Controls

Control	Icon	Function
Check All	Check	Select all visible items
Uncheck All	X	Deselect all items
Refresh	Refresh	Update table contents

Table Columns

Column	Description	Purpose
Type	Object type (Tag, Display, etc.)	Identify object category
Name	Object name	Specific item identifier

Export	Checkbox for selection	Mark for export
ParentTable	Source table (UnsTags, DisplaysList, etc.)	Origin location
Description	Object description	Additional details

Object Types in Table

Common types shown:

Type	ParentTable	Contents
Placeholder	UnsTags	Tag definitions
SorbaAI	UnsTags	AI-based tags
UnsTagProvider	UnsTagProviders	External tag sources (e.g., MQTT)
Display	DisplaysList	Display pages

Export Processes

Complete Solution Backup

Using **Export to a Zip**:

1. Click "Export to a Zip" button
2. Choose destination folder
3. Enter filename
4. Confirm export
5. ZIP file created with entire solution

Contents included:

- Configuration database (.dbsln)
- All solution objects
- Resources and images

Asset Model Export

Using **Export AssetTree to XML**:

1. Click "Export AssetTree to XML"
2. Select destination
3. XML file generated with:
    - All tag definitions
    - Tag hierarchies
    - Associated configurations

Selective Export

For specific objects:

1. **Select Items**
    - Check individual rows
    - Use Shift+Click for ranges
    - Enable Auto Check Dependencies
2. **Choose Export Method**
    - Create a Plugin: For reusable components
    - Save as CSV: For spreadsheet editing
3. **Execute Export**
    - Click appropriate export button
    - Specify destination
    - Confirm operation

Plugin Creation

Creating a Plugin

When using "Create a Plugin":

Step	Action	Result
Select objects	Check desired rows	Items marked
Click Create Plugin	Opens dialog	Configure plugin
Set plugin properties	Name, version, description	Metadata added
Choose location	Browse to folder	Save destination
Export	Confirm	.plugin file created

Plugin Contents

Plugins can include:

- Tags and templates
- Displays and layouts
- Scripts and classes
- Symbols and images
- Selected dependencies

> **Not supported**
>
> References are not currently supported with plugins. Script tasks, classes, screens, or code-behind using external references cannot be included in a plugin at this time.

CSV Export

CSV Format

When using "Save as CSV file" for tags:

Column	Content	Example
Name	Tag name	Tank1_Level
Type	Data type	Double
Description	Tag description	Tank 1 Level Sensor
InitialValue	Starting value	0
Min	Minimum value	0
Max	Maximum value	100
Units	Engineering units	meters

CSV Usage

Exported CSV files can be:

- Edited in Excel
- Used for documentation
- Imported to other solutions
- Version controlled

Auto Check Dependencies

When enabled, automatically selects:

If you select	Also checks

Display	All tags used in display
Script	All tags referenced
Template instance	Template definition
Child tag	Parent tag

Example: "When including a script or display, all tags used on it are automatically checked."

Best Practices

Backup Strategy

- Use "Export to a Zip" for complete backups
- Schedule regular exports
- Store backups externally
- Label with date and version

Selective Export

- Use categories to organize
- Check dependencies
- Document export purpose
- Test imports

Plugin Development

- Group related objects
- Include documentation
- Version consistently
- Test in new solution

Performance

Export Times

Solution Size	ZIP Export	CSV Export
Small (<50MB)	< 30 seconds	< 10 seconds
Medium (50-200MB)	1-2 minutes	< 30 seconds
Large (>200MB)	2-5 minutes	1-2 minutes

Optimization Tips

- Close other applications
- Ensure disk space available
- Use local drives for speed
- Exclude unnecessary items

Troubleshooting

Issue	Cause	Solution
Export fails	Insufficient disk space	Free up space
Items missing from table	Filter active	Clear filters
Plugin won't import	Version incompatibility	Check version requirements
CSV has wrong format	Encoding issue	Use UTF-8 encoding
Dependencies not found	Auto-check disabled	Enable Auto Check Dependencies

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