

UpgradeSolution CLI

Upgrade FrameworkX solution files from the command line.

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Version 10.1.5+

UpgradeSolution.exe performs the same operation as the **Upgrade** button in the Solution Center, without launching the UI. Useful for scripted upgrades, batch migration of many solutions, and unattended deployment pipelines.

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Usage

```
UpgradeSolution <solution>
```

Running with no arguments prints usage help and exits with code 2.

Argument forms

Form	Example	Resolution
Full path to a .dbsln file	UpgradeSolution "C:\Projects\MyPlant.dbsln"	Used as-is.
Solution name only	UpgradeSolution MyPlant	Resolved under My Documents\FrameworkX\Solutions\MyPlant.dbsln.
Solution name with extension	UpgradeSolution MyPlant.dbsln	Same as above.

The .dbsln extension is appended automatically if omitted.

Behavior

- Reads the current ProductVersion from the solution's InfoProjectVersion table.
- Calls InfoServer.BeginUpgradeProject, polls PartialUpgradeProject, then calls EndUpgradeProject. No UI, no remoting stack.
- Writes progress lines to standard output in the form [42%] Upgrading table 'X'....
- A backup of the original solution is created automatically by BeginUpgradeProject. The backup file sits next to the original with the same name pattern the UI button produces.

Exit Codes

Code	Meaning
0	Success. Solution upgraded.
1	Upgrade error. See standard error for detail.
2	Bad arguments. Missing solution argument, file not found, or malformed input.

Installation

UpgradeSolution.exe ships with the 10.1.5 installer inside the FactoryStudio folder, alongside the other CLI utilities.

On first launch of the FrameworkX Solution Center after install, a launcher script `UpgradeSolution.bat` is auto-deployed to `My Documents\FrameworkX\Utilities\`. The launcher mirrors the pattern used by `StartWebServices.bat`, `SolutionCreator.bat`, and `RemoveAllServices.bat`.

Call either the executable directly or the launcher script. The launcher forwards all arguments to the executable.

Examples

Upgrade a single solution by full path

```
& "C:\Program Files\Tatsoft\FrameworkX\fx-10\UpgradeSolution.exe" `
"C:\Projects\MyPlant.dbsln"
```

Upgrade by solution name

```
UpgradeSolution MyPlant
```

Resolves under `My Documents\FrameworkX\Solutions\MyPlant.dbsln`.

Batch upgrade a folder of solutions

```
Get-ChildItem "D:\Plants\*.dbsln" | ForEach-Object {
    Write-Host "Upgrading ${_.Name}"
    & "C:\Program Files\Tatsoft\FrameworkX\fx-10\UpgradeSolution.exe" $_.FullName
    if ($LASTEXITCODE -ne 0) {
        Write-Error "Failed: ${_.Name}, exit $LASTEXITCODE"
    }
}
```

See also

- [Legacy Versions Upgrade](#), parent page for upgrade procedures.
- [Upgrading Solutions Reference](#), UI-driven upgrade through the Solution Center.

In this section...
