Command-line usage

Below are the basic steps for running **CgiRemoteControl.exe**. Because **CgiRemoteControl.exe** only triggers plugin processing, a separate **plugin** implementation is required.

Execution Format

Run **CgiRemoteControl.exe** from a script or command prompt using the following format. See the next section for the runtime **arguments**.

```
CgiRemoteControl.exe --SolutionFilePath "<path>.scs" [--PlugInControl "<command>"]
[<configFile>]
```

Arguments

Specifying the Solution Path (Required)

`--SolutionFilePath <path>`
Specifies the path to the `.scs` solution to load (relative or absolute path is acceptable).
Example:

```
--SolutionFilePath "C:/path/test.scs"
```

Specifying the Plugin Command (Optional)

`--PlugInControl "<command>"`
Specifies the **plugin command** to execute during processing. If omitted, the plugin's `OnPluginControl` implementation is **not invoked**.
Example:

```
--PlugInControl "BuildHost 4711"
```

Specifying the Configuration File (Optional)

`<configFile>`
Specifies the XML **configuration file name** to use. If omitted, the default **CgiRemoteControlConfig.xml** is used.
Example:

```
C:/path/CgiRemoteControlConfig.xml
```

Checking Execution Logs

The console prints the selected configuration file name, resolved `SCHostPath`, `SolutionFilePath`, `PlugInControl`, `TimeoutMilliseconds`, and so on. When processing completes, a final message is printed. You can check the process exit code with `echo %ERRORLEVEL%`.

Exit Code

Return codes indicate success or failure (0 for success; non-zero for failure).

Code	Description
0	Success
-1	Configuration file not found
-2	Permission error accessing the configuration file
-3	Invalid configuration file format
-4	Error loading the solution
-5	SCHost not found
-6	Process timed out
-7	Process cancelled
-8	General error

Code Execution Example

```
D:/work/bin/SceneComposer>CgiRemoteControl.exe --SolutionFilePath "C:/path/test.scs" --
PlugInControl "BuildHost 4711"
[2025-01-17 10:42:05.954] [Info] Using configuration file: CgiRemoteControlConfig.xml
[2025-01-17 10:42:06.033] [Info] Resolved SCHostPath: C:/path/SCHost.dll
[2025-01-17 10:42:06.033] [Info] Loaded configuration:
```

```
[2025-01-17 10:42:06.033] [Info]   SCHostPath: C:/path/SCHost.dll
[2025-01-17 10:42:06.033] [Info]   SolutionFilePath: C:/path/test.scs
[2025-01-17 10:42:06.033] [Info]   PlugInControl: BuildHost 4711
[2025-01-17 10:42:06.033] [Info]   TimeoutMilliseconds: 1800000
[2025-01-17 10:42:06.033] [Info] CgiRemoteControl Process start.
Info: The following licenses were acquired successfully: 2D, 3D, Globalization, SmartImporter,
AssetLibraryVerification, Safety.
0000000.574 [0x00009BC0] WARN  Controls      Failed to create source stream object. Possibly
no VideoStreamer is registered. {VideoStreamBehavior.cpp(143): VideoStreamBehavior}
Info: Starting schema validation of file:
Info: 1/17/2025 10:42:15 AM:OnSolutionChanged
Warning: The application specification file is missing or invalid!
[2025-01-17 10:42:15.021] [Info] Solution loaded successfully.
Info: 1/17/2025 10:42:15 AM:test log start
Info: 1/17/2025 10:42:15 AM:OnPluginControl BuildHost 4711 Processing...10%
Info: 1/17/2025 10:42:16 AM:OnPluginControl BuildHost 4711 Processing...50%
Info: 1/17/2025 10:42:17 AM:OnPluginControl BuildHost 4711 Processing...100%
Info: 1/17/2025 10:42:17 AM:test log end
[2025-01-17 10:42:17.063] [Info] Plugin executed successfully.
[2025-01-17 10:42:17.063] [Info] CgiRemoteControl Process end.

>echo %ERRORLEVEL%
0
```

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