

# ExtendCli

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**Summary:** Information about **ExtendCli**, a command line tool to create and manage bundles for [CAST Extend local server](#) / [CAST Extend Offline](#).

## What is ExtendCli?

[CAST Extend local server](#) and [CAST Extend Offline](#) (in v. 1.1.0) are delivered "empty" without any preconfigured extensions - you will therefore need to populate them with extensions before you can use them. In addition, you may want to update CAST Extend local server/Offline to add new extensions or to include more recent releases of extensions. The **ExtendCli tool** is designed to perform this job and will allow the integration of the following (see [Contribute or types](#) for more information about the types of extensions that are available):

- Official Product extensions
- User Community and Labs extensions



- ExtendCli does not replace [CAST Extension Downloader](#) - a tool used to download Extensions from CAST Extend (live or offline).
- All dependent extensions of a given extension will be included when using ExtendCli.

## Where can you find ExtendCli?

ExtendCli is provided in two ways:

- As a **separate downloadable tool**, available from CAST Extend: <https://extend.castsoftware.com/#/extension?id=com.castsoftware.aip.extendcli&version=latest> - CAST highly recommends that you use this tool to benefit from the most recent updates and changes.
- On **each Node instance** in the following default location:

```
Console 2.x Node
%PROGRAMFILES%\CAST\AIP-Node\bin\ExtendCli\ExtendCli.exe

Console 1.x Node
%PROGRAMFILES%\CAST\AipConsole\AipNode\bin\ExtendCli\ExtendCli.exe
```

## What's new

See [ExtendCli - Release Notes](#) for more information.

# Prerequisites

To use ExtendCli, the following is required:

## Supported Operating Systems

Operating System	Supported	Supported by reference
Microsoft Windows 8 64-bit		✓
Microsoft Windows 8.1 64-bit	✓	
Microsoft Windows 10 64-bit	✓	
Microsoft Windows Server 2008 R2 SP1 64-bit (Standard edition)		✓
Microsoft Windows Server 2012 64-bit (Standard edition)		✓
Microsoft Windows Server 2012 R2 64-bit (Standard edition)		✓
Microsoft Windows Server 2016	✓	
Microsoft Windows Server 2019	✓	
Microsoft Windows Server 2022	✓	

## Using ExtendCli

ExtendCli is provided as an executable (**ExtendCli.exe**) and must be used in **command line mode**. To do so, either:

- open a command prompt, and run the tool from where the downloaded tool has been unzipped
- create a re-usable batch script file

The required command line is as follows:

```
ExtendCli.exe [command][options]
```

## Available commands

- **bundle**
- **config**
- **download**
- **install** (available in 1.1.0-funcrel)
- **uninstall** (available in 1.1.0-funcrel)


## bundle

Technically, a bundle is a .json file in which information about the required extensions, any dependencies and other selection options are stored. The default value of "bundle" is **default.json**. You can create as many "bundles" as necessary. Available options are listed below:

 You can determine the <extension id> of a given extension using the [CAST Extend website](#):





Option	Description	Command line	Comment	Example of command line
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add	Add extensions to the active bundle.	ExtendCli.exe bundle add <extension id> [options]	When no option is provided, the most recent stable release of the extension is taken.	ExtendCli.exe bundle add com.castsoftware.reactjs
			 Note that [options] can be cumulative.	
		ExtendCli.exe bundle add <extension id> -D ExtendCli.exe bundle add <extension id> --skip-dependencies	Skip extension dependencies.	ExtendCli.exe bundle add com.castsoftware.reactjs -D
		ExtendCli.exe bundle add <extension id> -S ExtendCli.exe bundle add <extension id> --latest-stable	Add most recent stable version (LTS or Funcrel).	ExtendCli.exe bundle add com.castsoftware.reactjs -S
		ExtendCli.exe bundle add <extension id> -a ExtendCli.exe bundle add <extension id> --absolute-latest	Add absolute latest version (including alpha and beta releases).	ExtendCli.exe bundle add com.castsoftware.reactjs -a
		ExtendCli.exe bundle add <extension id> -f ExtendCli.exe bundle add <extension id> --latest-funcrel	Add latest funcrel release.	ExtendCli.exe bundle add com.castsoftware.reactjs --latest-funcrel
		ExtendCli.exe bundle add <extension id> -l ExtendCli.exe bundle add <extension id> --latest-lts	Add latest LTS release.	ExtendCli.exe bundle add com.castsoftware.reactjs --latest-lts
	ExtendCli.exe bundle add <extension id> -v ExtendCli.exe bundle add <extension id> --version	Add a specific release of the extension.	ExtendCli.exe bundle add com.castsoftware.reactjs --version 1.1.0-funcrel	
clear	Clear your bundle.	ExtendCli.exe bundle clear	-	ExtendCli.exe bundle clear
download	Download extensions in the current bundle as .nupkg files	ExtendCli.exe bundle download [options]	-	ExtendCli.exe bundle download
		ExtendCli.exe bundle download -o   --outdir "<path>"	In < 1.1.0-funcrel, the specified folder must already exist. In 1.1.0-funcrel, the folder will be created if it does not exist.	ExtendCli.exe bundle download -o "C:\temp"
export	Export the content of the bundle into another .json file.	ExtendCli.exe bundle export <file path>	-	ExtendCli.exe bundle export "C:\mybundle.json"
import	Import the content of an existing exported .json file into your bundle.	ExtendCli.exe bundle import <file path>	-	ExtendCli.exe bundle import "C:\mybundle.json"
list	List the extension versions /releases in your bundle.	ExtendCli.exe bundle list	-	ExtendCli.exe bundle list
pack	Create an .extarchive file from your bundle that can be imported into CAST Extend Offline.	ExtendCli.exe bundle pack [options]	-	ExtendCli.exe bundle pack
		ExtendCli.exe bundle pack -o "<path>"	Target folder where the archive will be saved. This folder must already exist.	ExtendCli.exe bundle pack -o "C:\Temp\Bundles"
		ExtendCli.exe bundle pack -d	Only downloads missing extensions, will not create an archive.	ExtendCli.exe bundle pack -d
template	Manage predefined bundles.	ExtendCli.exe bundle template <command><options>	Manage predefined templates available in CAST Extend and include them in your extension.	-
		ExtendCli.exe bundle template add product   community   labs   <template id>	Allows the addition of the absolute latest version (including alpha and beta releases) of all official / community / labs / or specific predefined bundle of extensions into a template bundle. Available in 1.1.0-funcrel.	ExtendCli.exe bundle template add product ExtendCli.exe bundle template add community ExtendCli.exe bundle template add labs ExtendCli.exe bundle template add 14

ExtendCli.exe bundle template add product   community   labs   <template id> -s   --latest-stable	Allows the addition of all official / community / labs / or specific predefined bundle of extensions into a template bundle AND allows you to specify the release of extensions you require:	ExtendCli.exe bundle template add product --latest-stable
ExtendCli.exe bundle template add product   community   labs   <template id> -a   --absolute-latest	<ul style="list-style-type: none"> <li>• <b>-s   --latest-stable</b> - Add most recent stable version (LTS or Funcrel) - equivalent to not passing any version option at all.</li> <li>• <b>-a   --absolute-latest</b> - Add absolute latest version (including alpha and beta releases).</li> <li>• <b>-f   --latest-funcrel</b> - Add latest funcrel release.</li> <li>• <b>-l   --latest-lts</b> - Add latest LTS release.</li> </ul>	ExtendCli.exe bundle template add community --absolute-latest
ExtendCli.exe bundle template add product   community   labs   <template id> -f   --latest-funcrel	Available in 3.0.0-funcrel.	ExtendCli.exe bundle template add labs --latest-funcrel
ExtendCli.exe bundle template add product   community   labs   <template id> -l   --latest-lts		ExtendCli.exe bundle template add 14 --latest-lts
ExtendCli.exe bundle template list	Lists the seven predefined bundles: <ul style="list-style-type: none"> <li>• Id = 1 All product extensions (<b>note that this is deprecated from 1.1.0-funcrel - you should use "product" instead</b>)</li> <li>• Id = 4 Microsoft .NET</li> <li>• Id = 5 Mobile</li> <li>• Id = 6 Web</li> <li>• Id = 14 Data</li> <li>• Id = 16 Java / JEE</li> <li>• Id = 17 Security (this bundle provides support for Security analysis for all technologies)</li> <li>• Id = product (<b>from 1.1.0-funcrel</b>)</li> <li>• Id = labs (<b>from 1.1.0-funcrel</b>)</li> <li>• Id = community (<b>from 1.1.0-funcrel</b>)</li> </ul>	ExtendCli.exe bundle template list
ExtendCli.exe bundle template content <template id>	Displays the content of one predefined bundle.	ExtendCli.exe bundle template content 17

## config

The config command configures the parameters to allow the tool to connect to CAST Extend over the internet to fetch the required extensions (extensions) for the bundle:

Option	Description	Command line	Comment	Example of command line
set	Setup the CAST Extend (online) connection parameters.	ExtendCli.exe config set <api-key>	<p><b>&lt;api-key&gt;</b> is specific to a login for CAST Extend (online). You can find this in your <a href="#">profile</a>.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Note that this command only needs to be used once (unless you decide to use a different api-key for an alternative CAST Extend (online) login). </div>	extendCli.exe config set api-key w9876xyz-d999-32ii-9fb0-0123cde45
		ExtendCli.exe config set [extend-url]	<p><b>[extend-url]</b> refers to the URL to use for CAST Extend (online). When no option is provided, the default value is used: <b>https://extend.castsoftware.com</b>.</p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">  Note that this command only needs to be used once (unless you decide to use a different URL). </div>	extendCli.exe config set extend-url "your URL"
		ExtendCli.exe config set [storage-dir]	<p><b>[storage-dir]</b> refers to the location where extension packages will be downloaded to when using the <b>download</b> option. When no option is provided, the default value is used:</p> <ul style="list-style-type: none"> <li>• %PROGRAMDATA%\CAST\ExtendCLI\packages</li> </ul> <p>If ExtendCli is being run using the executable provided with a Node, then the default storage location is set to:</p> <ul style="list-style-type: none"> <li>• %PROGRAMDATA%\CAST\AIP-Node\ExtendCliConfig\packages</li> <li>• %PROGRAMDATA%\CAST\AIP-Console-Standalone\ExtendCliConfig\packages</li> </ul>	extendCli.exe config set storage-dir C:\CASTtemp

ExtendCli.exe config  
set  
[proxy] <proxy\_address>



Where possible **ExtendCli.exe config proxy <proxy\_address> [-options]** introduced in 3.0.0 should be used instead.

**[proxy]** is optional. It should be used:

- when your network environment uses a proxy for internet access.
- when the machine you are running ExtendCli on does not have operating system level proxy settings enabled.

The syntax is as follows:

```
ExtendCli.exe config set proxy <protocol://[user:password@]host  
[:port]>
```


Note that if you are using the **Use setup script** option (1), CAST also recommends enabling the **Automatically detect settings** option (2):

## Proxy

### Automatic proxy setup

Use a proxy server for Ethernet or WiFi connections. These settings don't apply to VPN connections.

Automatically detect settings

On 

Use setup script

On 

Script address

Save

extendCli.exe config  
set proxy  
http://proxy\_user:  
proxy\_password@pr  
oxy.corp.com:3128

proxy	Configure a connection via a proxy (available in <b>3.0.0</b> )	ExtendCli.exe config proxy <proxy_address> [-options]	<p>This option should be used instead of <b>ExtendCli.exe config set [proxy]</b> where possible.</p> <ul style="list-style-type: none"> <li>when your network environment uses a proxy for internet access.</li> <li>and when the machine you are running ExtendCli on does not have operating system level proxy settings enabled.</li> </ul> <p>The syntax is as follows:</p> <pre>ExtendCli.exe config proxy &lt;protocol://host[:port]&gt; [-options]</pre> <p>The following options are available:</p> <ul style="list-style-type: none"> <li><b>-b   --bypass-on-local</b> &gt; Do not use the configured proxy settings for local requests.</li> <li><b>-c   --default-credentials</b> &gt; Use the current Microsoft Windows account to authenticate with the proxy server.</li> <li><b>-i   --bypass</b> &gt; Specifies one single address that will not use the proxy. Can be used multiple times in a command.</li> <li><b>-u   --username</b> &gt; Specifies the username to authenticate with the proxy server if authentication is required.</li> <li><b>-p   --password</b> &gt; Specifies the password for the username used to authenticate with the proxy server if authentication is required.</li> <li><b>-d   --domain</b> &gt; Specifies the domain for domain restricted proxy servers.</li> <li><b>-r   --reset</b> &gt; Will reset any previously configured proxy settings, i.e. when using ExtendCli commands in a batch file or consecutively in a CMD window.</li> </ul> <p>Note that if you are using the <b>Use setup script</b> option (1), CAST also recommends enabling the <b>Automatically detect settings</b> option (2):</p> <div data-bbox="542 600 1339 1333" style="border: 1px solid black; padding: 10px;"> <h2 style="margin: 0;">Proxy</h2> <h3 style="margin: 0;">Automatic proxy setup</h3> <p style="margin: 0;">Use a proxy server for Ethernet or WiFi connections. These settings don't apply to VPN connections.</p> <p style="margin: 0;">Automatically detect settings</p> <p style="margin: 0;"><input checked="" type="checkbox"/> On <span style="color: red; font-weight: bold;">← 2</span></p> <p style="margin: 0;">Use setup script</p> <p style="margin: 0;"><input checked="" type="checkbox"/> On <span style="color: red; font-weight: bold;">← 1</span></p> <p style="margin: 0;">Script address</p> <input style="width: 100%; height: 20px;" type="text"/> <p style="margin: 0; text-align: center;"><input type="button" value="Save"/></p> </div>	<p>ExtendCli.exe config proxy http://proxy.corp.com:3128</p> <p>ExtendCli.exe config proxy http://proxy.corp.com:3128 -c</p> <p>ExtendCli.exe config proxy http://proxy.corp.com:3128 -u my_user -p my_password</p> <p>ExtendCli.exe config proxy http://proxy.corp.com:3128 -u my_user -p my_password -i http://some.address.com -i http://some.other.address.com -i*:8080 -i https://*:*</p>
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## download

This option allows you to download an extension in .nupkg format. The package will NOT be downloaded to %PROGRAMDATA%\CAST\CAST\Extensions, instead the package will be downloaded to the following default locations:

- %PROGRAMDATA%\CAST\ExtendCLI\packages

If ExtendCli is being run using the executable provided with a Node, then the default storage location is set to:

- %PROGRAMDATA%\CAST\AIP-Node\ExtendCliConfig\packages
- %PROGRAMDATA%\CAST\AIP-Console-Standalone\ExtendCliConfig\packages

The download folder can be set to an alternative location using the **config set storage-dir** option.

**ExtendCli.exe download [options] <extension id>**

Option	Description	Command line	Example of command line
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-d   --skip-dependencies	This option allows you to download an extension without any dependencies. CAST only recommends using this option if you understand the implication - an extension will not function correctly without its dependencies.	ExtendCli.exe download -d <extension id>  ExtendCli.exe download --skip-dependencies <extension id>	ExtendCli.exe download -d com.castsoftware.reactjs
-s   --latest-stable <true/false>	This option allows you to configure whether to download the most recent stable release of an extension (-LTS or funcrel). The default behaviour (i.e. when the option is omitted) the action is set to true and the latest-stable release will be downloaded. Explicitly add the option and set it to false to ensure that the latest stable release is not downloaded.	ExtendCli.exe download -s false <extension id>  ExtendCli.exe download --latest-stable false <extension id>	ExtendCli.exe download -s false com.castsoftware.reactjs
-a   --absolute-latest	This option allows you to download the most recent release of an extension including alpha and beta releases and all dependencies.	ExtendCli.exe download -a <extension id>  ExtendCli.exe download --absolute-latest <extension id>	ExtendCli.exe download -a com.castsoftware.reactjs
-f   --latest-funcrel	This option allows you to download the most recent funcrel release of an extension and all dependencies.	ExtendCli.exe download -f <extension id>  ExtendCli.exe download --latest-funcrel <extension id>	ExtendCli.exe download -f com.castsoftware.reactjs
-l   --latest-lts	This option allows you to download the most recent LTS release of an extension and all dependencies.	ExtendCli.exe download -l <extension id>  ExtendCli.exe download --latest-lts <extension id>	ExtendCli.exe download -l com.castsoftware.reactjs
-v   --version	This option allows you to download a specific release of an extension and all dependencies.	ExtendCli.exe download -v <release><extension id>  ExtendCli.exe download --version <release><extension id>	ExtendCli.exe download -v 1.1.4-funcrel com.castsoftware.reactjs

## install

This option allows you to download an extension from CAST Extend and store it on the local machine in %PROGRAMDATA%\CAST\CAST\Extensions (or an alternative location if you have modified the **CAST\_PLUGINS\_ROOT\_PATH** option in the [CastGlobalSettings.ini file](#)):

install	<extensionid>	Use this option to specify an extension that you want to <b>download</b> on to your local machine. Note that you may also need to specify the <b>--username</b> and <b>--password</b> options if the remote server requires authentication
	Option	Description
	[--version <version>]	This option allows you to specify a particular extension for download using its ID - this is a mandatory option. The ID of a CAST AIP extension always takes the form <b>com.castsoftware.&lt;name&gt;</b> , without any version numbers. Note that the <b>most recent versions of an extension's dependencies</b> will always be downloaded alongside the extension, unless you are using the <b>[--ignore-dependencies]</b> option - see below.
	[--ignore-dependencies]	This option allows you to specify a specific version of the extension for download using its version number. This option is not mandatory. When not included, the <b>most recent version</b> of the extension you require will always be downloaded.
	[--username <username>]	This option allows you to download an extension without any dependencies. CAST only recommends using this option if you understand the implication - an extension will not function correctly without its dependencies. This option is not mandatory. When not included, the <b>most recent versions of an extension's dependencies</b> will always be downloaded.
[--password <password>]	When connecting to a server that requires authentication (for example <a href="https://extend.castsoftware.com:443/api">https://extend.castsoftware.com:443/api</a> ) to download an extension (with the <b>install</b> option), use these two options to specify your credentials. You will require an account on the remote server to authenticate when using CAST Extend. You can find out about registering for an account in <a href="#">CAST Extend website</a> .	
	[--password <password>]	

## SHA256 data integrity checks



- Available in **3.1.0**.
- An integrity check is only performed if the source Extend server generates a hash code.

When using the **install** command, ExtendCLI will automatically verify each extension using a **unique SHA256 hash code** generated by the source Extend server (whether this is CAST's official Extend server, or an Extend Local server) to ensure the integrity of the downloaded data::

- If the integrity check passes, then the extension will be installed without issue
- If the integrity check fails, then an error is thrown and the downloaded extension is deleted and will not be installed. In this scenario, you should attempt the install procedure again - if they integrity check fails again, please contact CAST Support.

## uninstall





```
extendCli.exe bundle add com.castsoftware.typescript -a -l
```

E.g.:

```
C:\PRODUCT\Extend Offline>extendCli.exe bundle add com.castsoftware.typescript -a -l
Added com.castsoftware.typescript Absolute Latest version to active bundle.
Added com.castsoftware.typescript Latest LTS version to active bundle.
Added com.castsoftware.typescript Latest Stable version to active bundle.
Added com.castsoftware.reactjs Absolute Latest version to active bundle.
Added com.castsoftware.reactjs Latest LTS version to active bundle.
Added com.castsoftware.reactjs Latest Stable version to active bundle.
Added com.castsoftware.html5 Absolute Latest version to active bundle.
Added com.castsoftware.html5 Latest LTS version to active bundle.
Added com.castsoftware.html5 Latest Stable version to active bundle.
Added com.castsoftware.wbslinker Absolute Latest version to active bundle.
Added com.castsoftware.wbslinker Latest LTS version to active bundle.
Added com.castsoftware.wbslinker Latest Stable version to active bundle.
Added com.castsoftware.internal.platform Absolute Latest version to active bundle.
Added com.castsoftware.internal.platform Latest LTS version to active bundle.
Added com.castsoftware.internal.platform Latest Stable version to active bundle.
Added com.castsoftware.nodejs Absolute Latest version to active bundle.
Added com.castsoftware.nodejs Latest LTS version to active bundle.
Added com.castsoftware.nodejs Latest Stable version to active bundle.
C:\PRODUCT\Extend Offline>
```

### Add extensions from predefined bundles

The "add template" command allows you to add extensions to your bundle that belong to a specific predefined bundle (predefined in CAST Extend (online)). The following command will add template number 14 to the bundle:

```
ExtendCli.exe bundle template add 14
```

```
C:\PRODUCT\Extend Offline\ExtendCli>ExtendCli.exe bundle template add 14
Added com.castsoftware.nodejs Absolute Latest version to active bundle.
Added com.castsoftware.nodejs Latest Stable version to active bundle.
Added com.castsoftware.html5 Absolute Latest version to active bundle.
Added com.castsoftware.html5 Latest Stable version to active bundle.
Added com.castsoftware.wbslinker Absolute Latest version to active bundle.
Added com.castsoftware.wbslinker Latest Stable version to active bundle.
Added com.castsoftware.internal.platform Absolute Latest version to active bundle.
Added com.castsoftware.internal.platform Latest Stable version to active bundle.
Added com.castsoftware.nodejs Absolute Latest version to active bundle.
Added com.castsoftware.nodejs Latest Stable version to active bundle.
Added com.castsoftware.html5 Absolute Latest version to active bundle.
Added com.castsoftware.html5 Latest Stable version to active bundle.
Added com.castsoftware.wbslinker Absolute Latest version to active bundle.
Added com.castsoftware.wbslinker Latest Stable version to active bundle.
Added com.castsoftware.internal.platform Absolute Latest version to active bundle.
Added com.castsoftware.internal.platform Latest Stable version to active bundle.
Added com.castsoftware.nosql dotnet Absolute Latest version to active bundle.
Added com.castsoftware.nosql dotnet Latest Stable version to active bundle.
Added com.castsoftware.nodejs Absolute Latest version to active bundle.
Added com.castsoftware.nodejs Latest Stable version to active bundle.
Added com.castsoftware.html5 Absolute Latest version to active bundle.
Added com.castsoftware.html5 Latest Stable version to active bundle.
Added com.castsoftware.wbslinker Absolute Latest version to active bundle.
Added com.castsoftware.wbslinker Latest Stable version to active bundle.
Added com.castsoftware.internal.platform Absolute Latest version to active bundle.
Added com.castsoftware.internal.platform Latest Stable version to active bundle.
Added com.castsoftware.nosql dotnet Absolute Latest version to active bundle.
Added com.castsoftware.nosql dotnet Latest Stable version to active bundle.
Added com.castsoftware.nosql java Absolute Latest version to active bundle.
Added com.castsoftware.nosql java Latest Stable version to active bundle.
Added com.castsoftware.nodejs Absolute Latest version to active bundle.
Added com.castsoftware.nodejs Latest Stable version to active bundle.
Added com.castsoftware.html5 Absolute Latest version to active bundle.
Added com.castsoftware.html5 Latest Stable version to active bundle.
Added com.castsoftware.wbslinker Absolute Latest version to active bundle.
Added com.castsoftware.wbslinker Latest Stable version to active bundle.
Added com.castsoftware.internal.platform Absolute Latest version to active bundle.
Added com.castsoftware.internal.platform Latest Stable version to active bundle.
Added com.castsoftware.nosql dotnet Absolute Latest version to active bundle.
Added com.castsoftware.nosql dotnet Latest Stable version to active bundle.
Added com.castsoftware.nosql java Absolute Latest version to active bundle.
Added com.castsoftware.nosql java Latest Stable version to active bundle.
Added com.castsoftware.sql analyzer Absolute Latest version to active bundle.
Added com.castsoftware.sql analyzer Latest Stable version to active bundle.

C:\PRODUCT\Extend Offline\ExtendCli>
```

Id = 14 --> Data

The following commands will add all "product", "user community" and "labs" extensions:

```
ExtendCli.exe bundle template add product
ExtendCli.exe bundle template add community
ExtendCli.exe bundle template add labs
```

## Save the bundle

Once you have defined the content of your bundle using the **bundle add** or **template add** commands, you can save it to a .json file, so that you can use the same bundle in the future:

```
C:\PRODUCT\Extend Offline\ExtendCli>ExtendCli.exe bundle export "C:\PRODUCT\Extend Offline\ExtendCli\save_test\mylastbundle"
Bundle configuration exported to C:\PRODUCT\Extend Offline\ExtendCli\save_test\mylastbundle.json

C:\PRODUCT\Extend Offline\ExtendCli>_
```

## Generate the package

When you generate the package, it will create the .extarchive file <last package name|default package name>.extarchive which can then be uploaded into your CAST Extend local server/Offline instance. You must define a folder where the archive file will be placed and the folder must exist already:

```
ExtendCli.exe bundle pack -o "C:\PRODUCT\Extend Offline\My package"
```

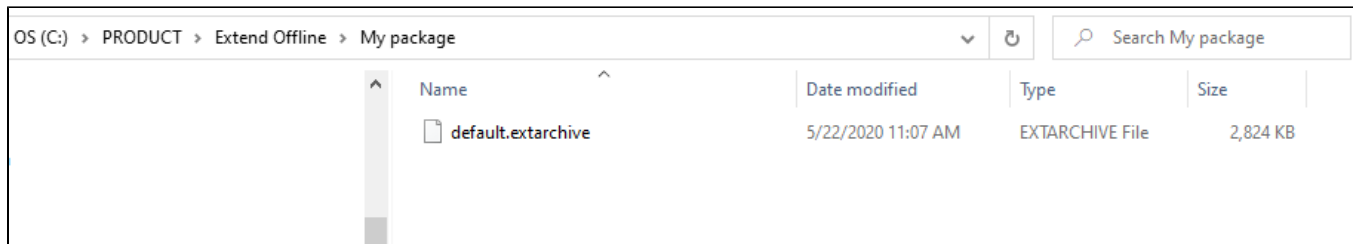
```
C:\PRODUCT\Extend Offline>extendCli.exe bundle pack -o "C:\PRODUCT\Extend Offline\My package"
Output directory does not exist

C:\PRODUCT\Extend Offline>extendCli.exe bundle pack -o "C:\PRODUCT\Extend Offline\My package"
Resolving Package versions (this may take a few seconds).
100.00% Downloading com.castsoftware.typescript 1.5.0-beta1 00:00:00
100.00% Downloading com.castsoftware.typescript 1.4.0-funcrel 00:00:00
100.00% Downloading com.castsoftware.reactjs 1.1.4-funcrel 00:00:00
100.00% Downloading com.castsoftware.html5 2.0.16-funcrel 00:00:00
100.00% Downloading com.castsoftware.html5 1.7.6 00:00:00
100.00% Downloading com.castsoftware.wbslinker 1.6.10 00:00:00
100.00% Downloading com.castsoftware.internal.platform 0.9.0-beta1 00:00:00
100.00% Downloading com.castsoftware.internal.platform 0.8.6 00:00:00
100.00% Downloading com.castsoftware.nodejs 2.3.0-beta3 00:00:00
100.00% Downloading com.castsoftware.nodejs 2.2.2-funcrel 00:00:00
100.00% Downloading com.castsoftware.nodejs 1.6.0 00:00:00
100.00% Downloading mapping tmngr 00:00:00
100.00% Downloading mapping dmp 00:00:00
100.00% Downloading mapping pubk 00:00:00

Creating Archive, this may take a few seconds ...
Archive successfully created at : C:\PRODUCT\Extend Offline\My package

C:\PRODUCT\Extend Offline>
```

Navigate to the folder you have defined as output (in the above example the path is C:\PRODUCT\Extend Offline\My package) - it will contain the generated .extarchive file that you can upload into your CAST Extend local server/Offline instance by following the steps described in [Upload the bundle to CAST Extend local server](#) or [Upload the bundle to CAST Extend Offline](#):



## Advanced configuration settings - appsettings.json

Some additional advanced settings can be configured using the following file which can be edited with a text editor:

```
Downloadable tool
<extend_cli_unzip_folder>\appsettings.json

Console 2.x Node
%PROGRAMFILES%\CAST\AIP-Node\bin\ExtendCli\appsettings.json

Console 1.x Node
%PROGRAMFILES%\CAST\AipConsole\AipNode\bin\ExtendCli\appsettings.json
```

## Timeout

```
"Timeout": 10800
```

This setting (available in **2.1.1-funcrel**) is specifically for those with very slow network connections. The value is in **seconds** (the default value is 10800, or 3 hrs) and should only be increased if you are facing timeouts when fetching data from CAST Extend, i.e. when the total time required for CAST Extend to build the bundle and then for ExtendCli to download it exceeds 3 hrs. CAST does NOT recommend decreasing this value.

## SettingsPath

```
"SettingsPath": null
```

This setting (available in **2.1.1-funcrel**) is set by default to **%PROGRAMDATA%\CAST\ExtendCLI** and defines where the current instance of ExtendCli will store configuration settings and cache files. If you need to run multiple instances of ExtendCli on one machine, and you want to ensure clear separation of data between each instance, you can define a custom path for the configuration data using this option. For example to set the path to **D:\CAST\temp\ExtendCli**:

```
"SettingsPath": "D:\\CAST\\temp\\ExtendCli"
```



Paths must conform to the following syntax:

- Enclosed in double quotes
- Absolute path (not relative)
- Back slashes are required (forward slashes not accepted) and must be escaped with a back slash