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ng build

CLI

Compiles an Angular app into an output directory named dist/ at the given output path. Must be executed from within a workspace directory. ng build <project> [options]

ng b project> [options]

Description

The command can be used to build a project of type "application" or "library". When used to build a library, a different builder is invoked, and only the tsconfig, configuration, and watch options are applied. All other options apply only to building applications. The application builder uses the webpack 🖸 build tool, with default configuration options specified in the workspace configuration file (angular.json)

or with a named alternative configuration. A "production" configuration is created by default when you use the CLI to create the project, and you can use that configuration by specifying the --configuration="production" or the --prod="true" option. The configuration options generally correspond to the command options. You can override individual configuration defaults by specifying the

configuration file, you must specify names in camelCase. Some additional options can only be set through the configuration file, either by direct editing or with the ng config command. These include assets, styles, and scripts objects that provide runtime-global resources to include in the project. Resources in CSS, such as images and fonts, are

corresponding options on the command line. The command can accept option names given in either dash-case or camelCase. Note that in the

automatically written and fingerprinted at the root of the output folder. For further details, see Workspace Configuration.

Arguments	
ARGUMENT DESCRIPTION	
<pre><pre><pre><pre><pre><pre></pre></pre> The name of the projects</pre></pre></pre></pre>	project to build. Can be an application or a library.
ptions	
OPTIONallowedCommonJsDependencies	A list of CommonJS packages that are allowed to be used without a build time warning.
aot=true false	Build using Ahead of Time compilation.
·	Default: false
baseHref= <i>baseHref</i>	Base url for the application being built.
buildEventLog= <i>buildEventLog</i>	EXPERIMENTAL Output file path for Build Event Protocol events
buildOptimizer=true false	Enables '@angular-devkit/build-optimizer' optimizations when using the 'aot' option. Default: false
commonChunk=true false	Use a separate bundle containing code used across multiple bundles. Default: true
configuration= <i>configuration</i>	A named build target, as specified in the "configurations" section of angular.json. Each named target is accompanied by a configuration of option defaults for that target. Setting this explicitly overrides the "prod" flag Aliases: -c
crossOrigin= none anonymous use-credentials	Define the crossorigin attribute setting of elements that provide CORS support. Default: none
deleteOutputPath=true false	Delete the output path before building. Default: true
deployUrl= <i>deployUrl</i>	URL where files will be deployed.
experimentalRollupPass=true false	Concatenate modules with Rollup before bundling them with Webpack. Default: false
extractCss=true false	Extract css from global styles into css files instead of js ones. Default: false
extractLicenses=true false	Extract all licenses in a separate file.
forkTypeChecker=true false	Default: false Run the TypeScript type checker in a forked process.
help=	Default: true Shows a help message for this command in the console.
true false json JSON	Default: false
i18nFile= <i>i18nFile</i>	Deprecated: Use 'locales' object in the project metadata instead. Localization file to use for i18n.
i18nFormat= <i>i18nFormat</i>	Deprecated: No longer needed as the format will be determined automatically. Format of the localization file specified withi18n-file.
 i18nLocale=<i>i18nLocale</i>	Deprecated: Use 'localize' instead. Locale to use for i18n.
i18nMissingTranslation= warning error ignore	How to handle missing translations for i18n. Default: warning
index= <i>index</i>	Configures the generation of the application's HTML index.
lazyModules	Deprecated: 'SystemJsNgModuleLoader' is deprecated, and this is part of its usage. Use 'import()' syntax instead. List of additional NgModule files that will be lazy loaded. Lazy router modules will be discovered automatically.
localize=true false	discovered automatically.
main= <i>main</i>	The full path for the main entry point to the app, relative to the current workspace.
namedChunks=true false	Use file name for lazy loaded chunks. Default: true
ngswConfigPath= <i>ngswConfigPath</i>	Path to ngsw-config.json.
optimization=true false	Enables optimization of the build output.
outputHashing= none all media bundles	Define the output filename cache-busting hashing mode.
	Default: none
outputPath= <i>outputPath</i>	The full path for the new output directory, relative to the current workspace. By default, writes output to a folder named dist/ in the current project.
poll	Enable and define the file watching poll time period in milliseconds.
polyfills= <i>polyfills</i>	The full path for the polyfills file, relative to the current workspace.
preserveSymlinks=true falseprod=true false	Do not use the real path when resolving modules. If unset then will default to true if NodeJS optionpreserve-symlinks is set. Shorthand for "configuration=production". When true, sets the build configuration to the
prod-trac raise	production target. By default, the production target is set up in the workspace configuration such that all builds make use of bundling, limited tree-shaking, and also limited dead code elimination.
progress=true false	Log progress to the console while building.
—rebaseRootRelativeCssUrls=true fals	Change root relative URLs in stylesheets to include base HREF and deploy URL. Use only for compatibility and transition. The behavior of this option is non-standard and will be removed in the next major release. Default: false
resourcesOutputPath= resourcesOutputPath	The path where style resources will be placed, relative to outputPath. Default:
serviceWorker=true false	Generates a service worker config for production builds. Default: false
showCircularDependencies=true false	Show circular dependency warnings on builds. Default: true
sourceMap=true false	Output sourcemaps. Default: true
statsJson=true false	Generates a 'stats.json' file which can be analyzed using tools such as 'webpack-bundle-analyzer'. Default: false
subresourceIntegrity=true false	Enables the use of subresource integrity validation. Default: false

Default: true

Default: false

Default: false

--tsConfig=*tsConfig*

--vendorChunk=true|false

--verbose=true|false

--watch=true|false

--webWorkerTsConfig=

webWorkerTsConfig

The full path for the TypeScript configuration file, relative to the current workspace.

Use a separate bundle containing only vendor libraries.

TypeScript configuration for Web Worker modules.

Adds more details to output logging.

Run build when files change.