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| **Angular CLI Basic Commands** | |
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|  | **Prerequisites** |
|  | Both the CLI and generated project have dependencies that require Node 6.9.0 or higher, together with NPM 3 or higher. |
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|  | **Installation** |
|  | npm install -g @angular/cli |
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|  | **Usage** |
|  | ng help |
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|  | Generating and serving an Angular project via a development server |
|  | ng new PROJECT-NAME  cd PROJECT-NAME  ng serve |
|  | Navigate to http://localhost:4200/ |
|  | The app will automatically reload if you change any of the source files. |
|  | You can configure the default HTTP host and port used by the development server with two command-line options : |
|  | ng serve --host 0.0.0.0 --port 4201 |
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|  | Generating Components, Directives, Pipes and Services |
|  | ng generate |
|  | to generate Angular components. |
|  | ng generate component my-new-component  ng g component my-new-component # using the alias |
|  | support relative path generation in the directory src/app/feature/ and you run |
|  | ng g component ../newer-cmp |
|  | your component will be generated in src/app/newer-cmp |
|  | ng g component feature/new-cmp |
|  | your component will be generated in src/app/feature/new-cmp (Same as above) |
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|  | | **Scaffold** | **Usage** | | --- | --- | | Component | ng g component my-new-component | | Directive | ng g directive my-new-directive | | Pipe | ng g pipe my-new-pipe | | Service | ng g service my-new-service | | Class | ng g class my-new-class | | Guard | ng g guard my-new-guard | | Interface | ng g interface my-new-interface | | Enum | ng g enum my-new-enum | | Module | ng g module my-module | |
|  | angular-cli will add reference to components, directives and pipes automatically in the app.module.ts |
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|  | If you need to add this references to another custom module, follow this steps: |
|  | ng g module new-module to create a new module |
|  | ng g component new-module/new-component to call |
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|  | Updating Angular CLI |
|  | If you're using Angular CLI 1.0.0-beta.28 or less, you need to uninstall angular-cli package. |
|  | It should be done due to changing of package's name and scope from angular-cli to @angular/cli: |
|  | npm uninstall -g angular-cli |
|  | npm uninstall --save-dev angular-cli |
|  | To update Angular CLI to a new version, you must update both the global package and your project's local package. |
|  | Global package: |
|  | npm uninstall -g @angular/cli |
|  | npm cache clean |
|  | npm install -g @angular/cli@latest |
|  | Local project package: |
|  | rm -rf node\_modules dist |
|  | npm install --save-dev @angular/cli@latest |
|  | npm install |
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|  | working on Angular CLI |
|  | (Working with master) |
|  | cd angular-cli |
|  | npm link |
|  | npm link is very similar to npm install –g. |
|  | Any changes to the files in the angular-cli/ folder will immediately affect the global @angular/cli package, allowing you to quickly test any changes you make to the cli project. |
|  | Now you can use @angular/cli via the command line: |
|  | ng new foo |
|  | cd foo |
|  | npm link @angular/cli |
|  | ng serve |
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|  | npm link @angular/cli is needed because by default the globally installed @angular/cli just loads the local @angular/cli from the project which was fetched remotely from npm.  npm link @angular/cli symlinks the global @angular/cli package to the local @angular/cli package. |
|  | You can also use ng new foo --link-cli  to automatically link the @angular/cli package. |
|  | To run the Angular CLI test suite use the node tests/run\_e2e.js command. It can also receive a filename to only run that test |
|  | (e.g. node tests/run\_e2e.js tests/e2e/tests/build/dev-build.ts). |
|  | As part of the test procedure, all packages will be built and linked. You will need to re-run npm link to re-link the development Angular CLI environment after tests finish. |
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