



Components









# Install @angular/elements

ng add @angular/elements

This also installs polyfills for IE

```
@NgModule({
    imports: [BrowserModule],
    declarations: [DateComponent],
    bootstrap: []
})
export class AppModule { }
```



```
@NgModule({
    imports: [BrowserModule],
    declarations: [DateComponent],
    bootstrap: []
export class AppModule {
    constructor(private injector: Injector) { }
```



```
@NgModule({
    imports: [BrowserModule],
    declarations: [DateComponent],
    bootstrap: []
export class AppModule {
    constructor(private injector: Injector) {
    ngDoBootstrap() {
        const DateElement = createCustomElement(
                                 DateComponent, { injector: this.injector });
        customElements.define('date-picker', DateElement);
```



#### Loading Web Components

```
<script src="bundle.js"></script>
[...]

<date-picker [date]="myDate" (change)="handler()"></date-picker>
```



## Disable Checks for Web Components

```
@NgModule({
    [...]
    schemas: [CUSTOM_ELEMENTS_SCHEMA],
})
export class AppModule { }
```

# Dynamically Loading Web Components

```
const script = document.createElement('script');
script.src = 'assets/bundle.js';
document.body.appendChild(script);

const clientA = document.createElement('date-picker');
clientA['visible'] = true;
document.body.appendChild(clientA);
```



# Compiling into one bundle

ng add ngx-build-plus --project *project* ng build *project* --prod --single-bundle



# Pros/Cons

- Combining different technologies und versions
- Overhead (Bundle Size)
- "Only" Components
- Routing difficult

