

Message Popups with ngx-toastr

An Angular toast is a small, non-blocking pop-up notification that displays a message on the screen. Toasts are used to mimic push notifications and are designed to be lightweight and customizable. They can be displayed in a variety of locations, including the top, middle, or bottom of the page. Toasts automatically disappear after a set amount of time, but can be customized with different animation effects.

By integrating ngx-toastr with Angular, you can create reusable and maintainable notification systems within your application. Here in this section, we will see the proper use of ngx-toastr in Angular. We have added the example that represents the use of ngx-toastr in Angular.



Create a new Angular basic application as usual.

> ng new toastnotify

Open application in Visual Studio Code and open terminal into it. Now install bootstrap as usual:

```
...\toastnotify> npm i bootstrap
```

Now, you need to install ngx-toastr with below command

Also add styles and script of bootstrap into angular.json

```
"styles": [  
  "node_modules/bootstrap/dist/css/bootstrap.css",  
  "src/styles.css"  
],  
"scripts": [  
  "node_modules/bootstrap/dist/js/bootstrap.js"  
]
```

```
...\toastnotify> npm install ngx-toastr --save
```

Also @angular/animations package is a required dependency for the default toast.

```
...\toastnotify> npm install @angular/animations --save
```

Now go to styles.css and following CSS which is provided by ngx-toastr

```
/* You can add global styles to this file, and also import other  
style files */  
/* based on angular-toastr css https://github.com/Foxandxss/angular-  
toastr/blob/cb508fe6801d6b288d3afc525bb40fee1b101650/dist/angular-  
toastr.css */
```

```
/* position */
.toast-center-center {
  top: 50%;
  left: 50%;
  transform: translate(-50%, -50%);
}
.toast-top-center {
  top: 0;
  right: 0;
  width: 100%;
}
.toast-bottom-center {
  bottom: 0;
  right: 0;
  width: 100%;
}
.toast-top-full-width {
  top: 0;
  right: 0;
  width: 100%;
}
.toast-bottom-full-width {
  bottom: 0;
  right: 0;
  width: 100%;
}
.toast-top-left {
  top: 12px;
  left: 12px;
}
.toast-top-right {
  top: 12px;
  right: 12px;
}
.toast-bottom-right {
  right: 12px;
  bottom: 12px;
}
.toast-bottom-left {
  bottom: 12px;
```

```
left: 12px;
}

/* toast styles */
.toast-title {
  font-weight: bold;
}
.toast-message {
  word-wrap: break-word;
}
.toast-message a,
.toast-message label {
  color: #ffffff;
}
.toast-message a:hover {
  color: #cccccc;
  text-decoration: none;
}
.toast-close-button {
  position: relative;
  right: -0.3em;
  top: -0.3em;
  float: right;
  font-size: 20px;
  font-weight: bold;
  color: #ffffff;
  text-shadow: 0 1px 0 #ffffff;
  /* opacity: 0.8; */
}
.toast-close-button:hover,
.toast-close-button:focus {
  color: #000000;
  text-decoration: none;
  cursor: pointer;
  opacity: 0.4;
}
/*Additional properties for button version
iOS requires the button element instead of an anchor tag.
If you want the anchor version, it requires `href="#"` */
button.toast-close-button {
  padding: 0;
```

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```
cursor: pointer;
background: transparent;
border: 0;
}

.toast-container {
    pointer-events: none;
    position: fixed;
    z-index: 999999;
}

.toast-container * {
    box-sizing: border-box;
}

.toast-container .ngx-toastr {
    position: relative;
    overflow: hidden;
    margin: 0 0 6px;
    padding: 15px 15px 15px 50px;
    width: 300px;
    border-radius: 3px 3px 3px 3px;
    background-position: 15px center;
    background-repeat: no-repeat;
    background-size: 24px;
    box-shadow: 0 0 12px #999999;
    color: #ffffff;
}

.toast-container .ngx-toastr:hover {
    box-shadow: 0 0 12px #000000;
    opacity: 1;
    cursor: pointer;
}

/* https://github.com/FortAwesome/Font-Awesome-
Pro/blob/master/advanced-options/raw-svg/regular/info-circle.svg */
.toast-info {
    background-image:
url("data:image/svg+xml;base64,PHN2ZyB4bWxucz0naHR0cDovL3d3dy53My5vc
mcmvMjAwMC9zdmcnIHZpZXQCb3g9JzAgMCA1MTIgNTExYjYBoZWlna
HQ9JzUxMic+PHBhdGggZmlsbD0ncmdikDI1NSwyNTUsMjU1KScgZD0nTTI1NiA4QzExO
S4wNDMGOCAYIDExOS4wODMGOCAYNTZjMCAxMzMtOTk3IDEeMS4wNDMGMJQ4IDI0CAYN
DhzMjQ4LTExMS4wMDMGMJQ4LTI0EM1MDQGME5LjA4MAAzOTIuOTU3IDggMjU2IDh6b
TAgMTEwYzIzljE5NiAwIDQyIDE4LjgwNCAMiAA0MnMtMTguODA0IDQyLTQyIDQyLTQyL
TE4LjgwNC0Mi00MiAxOC44MD0tNDIGNDItNDJlTU2IDI1NGMWIDYuNjlILTMUUMzcZl
```

```
DEyLTEyIDEyaC040GMtNi42MjcGMC0xMi01LjM3My0xMi0xMnYtMjRjMjMC02LjYyNyA1LjM3My0xMiAxMi0xMmgxMnYtNjRoLTEyYy02LjYyNyAwLTEyLTUuMzczLTEyLTEydi0yNGMwLTYuNjI3IDUuMzczLTEyIDEyLTEyaDY0YzYuNjI3IDAgMTIgNS4zNzMgMTIgMTJ2MTAwADEyYzYuNjI3IDAgMTIgNS4zNzMgMTIgMTJ2MjR6Jy8+PC9zdmc+" );
}

/* https://github.com/FortAwesome/Font-Awesome-
Pro/blob/master/advanced-options/raw-svg/regular/times-circle.svg */
.toast-error {
  background-image:
url("data:image/svg+xml;base64,PHN2ZyB4bWxucz0naHR0cDovL3d3dy53My5vc
mcvMjAwMC9zdmcnIHZpZXdCb3g9JzAgMCA1MTIgNTEyJyB3aWR0aD0nNTEyJyBoZWlna
HQ9JzUxMic+PHBhdGggZmlsbD0ncmdiKDI1NSwyNTUsMjU1KSsgZD0nTTI1NiA4QzExO
SA4IDggMTE5IDggMjU2czExMSAyNDggMjQ4IDI0CAyNDgtMTExIDI0C0yNDhTMzkzI
DggMjU2IDh6bTEyMS42IDMxMy4xYzQuNyA0LjcgNC43IDEyLjMgMCAxN0wzMzgMzc3L
jZjLTQuNyA0LjctMTIuMyA0LjctMTcgMEwyNTYgMzEyYmZ0NS4xIDY1LjZjLTQuNyA0L
jctMTIuMyA0LjctMTcgMEwxMzQuNCAzMzhjLTQuNy00LjctNC43LTEyLjMgMCAxN2w2N
S42LTY1LTY1LjYtNjUuMWMtNC43LTQuNy00LjctMTIuMyAwLTE3bDM5LjYtMzkuNmM0L
jctNC43IDEyLjMtNC43IDE3IDBSNjUgNjUuNyA2NS4xLTY1LjZjZjNC43LTQuNyAxMi4zL
TQuNyAxNyAwbDM5LjYgMzkuNmM0LjcgNC43IDQuNyAxMi4zIDAgMTdMMzEyIDI1NmMwN
S42IDY1LjF6Jy8+PC9zdmc+" );
}

/* https://github.com/FortAwesome/Font-Awesome-
Pro/blob/master/advanced-options/raw-svg/regular/check.svg */
.toast-success {
  background-image:
url("data:image/svg+xml;base64,PHN2ZyB4bWxucz0naHR0cDovL3d3dy53My5vc
mcvMjAwMC9zdmcnIHZpZXdCb3g9JzAgMCA1MTIgNTEyJyB3aWR0aD0nNTEyJyBoZWlna
HQ9JzUxMic+PHBhdGggZmlsbD0ncmdiKDI1NSwyNTUsMjU1KSsgZD0nTTE3My44OTggN
DM5LjQwNGwtMTY2LjQ0tMTY2LjRjLTkuOTk3LTkuOTk3LTkuOTk3LTI2LjIwNiAwLTM2L
jIwNGwzNi4yMDMtMzYuMjA0YzkuOTk3LTkuOTk4IDI2LjIwNy05Ljk5OCAzNi4yMDQgM
EwxOTIgMzEyLjY5IDQzMj4wOTUgNzIuNTk2YzkuOTk3LTkuOTk3IDI2LjIwNy05Ljk5N
yAzNi4yMDQgMGwzNi4yMDMgMzYuMjA0YzkuOTk3IDkuOTk3IDkuOTk3IDI2LjIwNiAwI
DM2LjIwNGwtMjk0LjQgMjk0LjQwMWMtOS45OTggOS45OTctMjYuMjA3IDkuOTk3LTM2L
jIwNC0uMDAxeicvPjwvc3ZnPg==" );
}

/* https://github.com/FortAwesome/Font-Awesome-
Pro/blob/master/advanced-options/raw-svg/regular/exclamation-
triangle.svg */
.toast-warning {
  background-image:
url("data:image/svg+xml;base64,PHN2ZyB4bWxucz0naHR0cDovL3d3dy53My5vc
```

```
mcvMjAwMC9zdmcnIHZpZXdCb3g9JzAgMCA1NzYgNTEyJyB3aWR0aD0nNTc2JyBoZWlna
HQ9JzUxMic+PHBhdGggZmlsbD0ncmdiKDI1NSwyNTUsMjU1KSsgZD0nTTU2OS41MTcgN
DQwLjAxM0M1ODcuOTc1IDQ3Mi4wMDcgNTY0LjgwNiA1MTIgNTI3Ljk0IDUxMkg0OC4wN
TRjLTM2LjkzNyAwLTU5Ljk5OS00MC4wNTUtNDEuNTc3LTcxLjk4N0wyNDYuNDIzIDIzL
jk4NWMxOC40NjctMzIuMDA5IDY0LjcyLTmxLjk1MSA4My4xNTQgMGwyMzkuOTQgNDE2L
jAyOHpNMjg4IDM1NGMtMjUuNDA1IDAuNDYgMjAuNTk1LTQ2IDQ2czIwLjU5NSA0NiA0N
iA0NiA0Ni0yMCA1OTUgNDYtNDYtMjAuNTk1LTQ2LTQ2LTQ2em0tNDMuNjc3LjE2NS4zN
DZsNy40MTggMTM2Yy4zNDcgNi4zNjQgNS42MDkgMTEuMzQ2IDExLjk4MiAxMS4zNDZ0N
DguNTQ2YyZuMzc4IDAgMTEuNjM1LTQuOTgyIDExLjk4Mi0xMS4zNDZsNy40MTgtMTM2Y
y4zNzUtNi44NzQtNS4wOTgtMTIuNjU0LTExLjk4Mi0xMi42NTRoLTYzLjM4M2MtNi44O
DQgMC0xMi4zNTYgNS43OC0xMS45ODEgMTIuNjU0eicvPjwvc3ZnPg=="");
}
.toast-container.toast-top-center .ngx-toastr,
.toast-container.toast-bottom-center .ngx-toastr {
  width: 300px;
  margin-left: auto;
  margin-right: auto;
}
.toast-container.toast-top-full-width .ngx-toastr,
.toast-container.toast-bottom-full-width .ngx-toastr {
  width: 96%;
  margin-left: auto;
  margin-right: auto;
}
.ngx-toastr {
  background-color: #030303;
  pointer-events: auto;
}
.toast-success {
  background-color: #51a351;
}
.toast-error {
  background-color: #bd362f;
}
.toast-info {
  background-color: #2f96b4;
}
.toast-warning {
  background-color: #f89406;
}
.toast-progress {
```

```
position: absolute;
left: 0;
bottom: 0;
height: 4px;
background-color: #000000;
opacity: 0.4;
}
/* Responsive Design */
@media all and (max-width: 240px) {
  .toast-container .ngx-toastr.div {
    padding: 8px 8px 8px 50px;
    width: 11em;
  }
  .toast-container .toast-close-button {
    right: -0.2em;
    top: -0.2em;
  }
}
@media all and (min-width: 241px) and (max-width: 480px) {
  .toast-container .ngx-toastr.div {
    padding: 8px 8px 8px 50px;
    width: 18em;
  }
  .toast-container .toast-close-button {
    right: -0.2em;
    top: -0.2em;
  }
}
@media all and (min-width: 481px) and (max-width: 768px) {
  .toast-container .ngx-toastr.div {
    padding: 15px 15px 15px 50px;
    width: 25em;
  }
}
```

Go to app.config.ts and add providers in configuration.

```
import { provideAnimations } from '@angular/platform-
browser/animations';
import { provideToastr } from 'ngx-toastr';

export const appConfig: ApplicationConfig = {
```

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```
providers: [provideAnimations(), provideToastr(),
provideZoneChangeDetection({ eventCoalescing: true }),
provideRouter(routes)]
};
```

Go to the app folder add a new folder named component and create a test-toaster component in folder (Just to test toastr works fine).

...toastnotify\src\app\component> ng g c testToaster

In test-toaster.component.ts file make changes

```
import { Component } from '@angular/core';
import { ToastrService } from 'ngx-toastr';

@Component({
  selector: 'app-test-toaster',
  standalone: true,
  imports: [],
  templateUrl: './test-toaster.component.html',
  styleUrls: ['./test-toaster.component.css']
})

export class TestToasterComponent {
  constructor(private toastr: ToastrService) { }

  showSuccess() {
    this.toastr.success('Hello world!', 'Toastr fun!');
  }
}
```

In constructor create parameter for ToastrService and also create a function named showSuccess();

Add in test-toaster.component.html

```
<p>test-toaster works!</p>
<button btn btn-primary (click)="showSuccess()">Click Me</button>
```

Add selector of component into app.component.html

```
<app-test-toaster></app-test-toaster>
<router-outlet />
```

Check in app.component.ts the import of component.

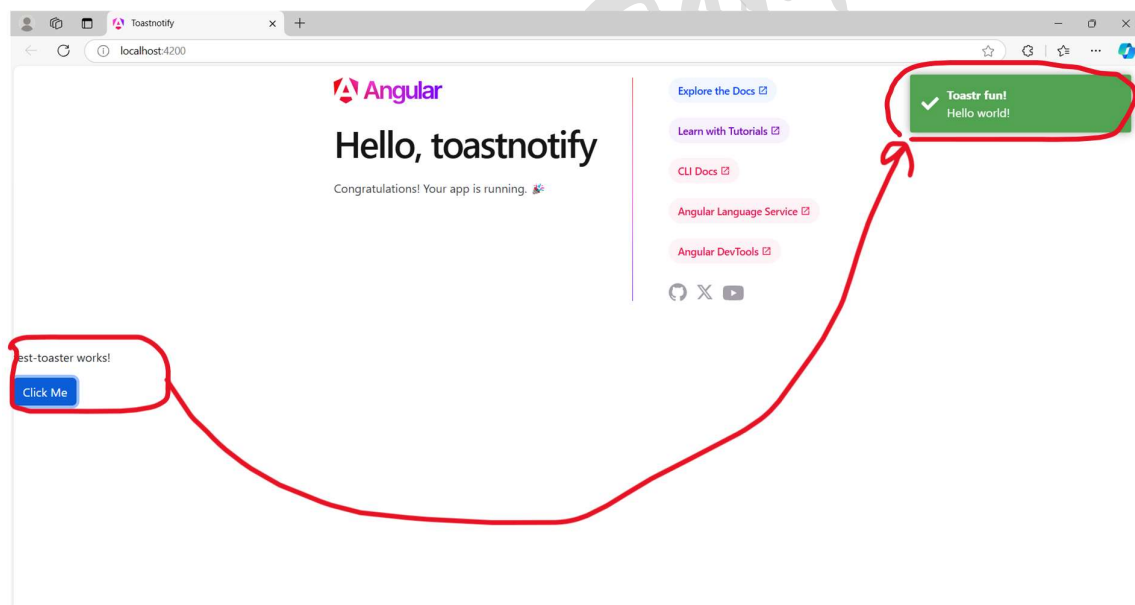
```
import { Component } from '@angular/core';
```


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```
import { RouterOutlet } from '@angular/router';
import { TestToasterComponent } from "../component/test-toaster/test-toaster.component";

@Component({
  selector: 'app-root',
  standalone: true,
  imports: [RouterOutlet, TestToasterComponent],
  templateUrl: './app.component.html',
  styleUrls: ['./app.component.css']
})
export class AppComponent {
  title = 'toastnotify';
}
```

Test and run.



❄❄End of Chapter❄❄