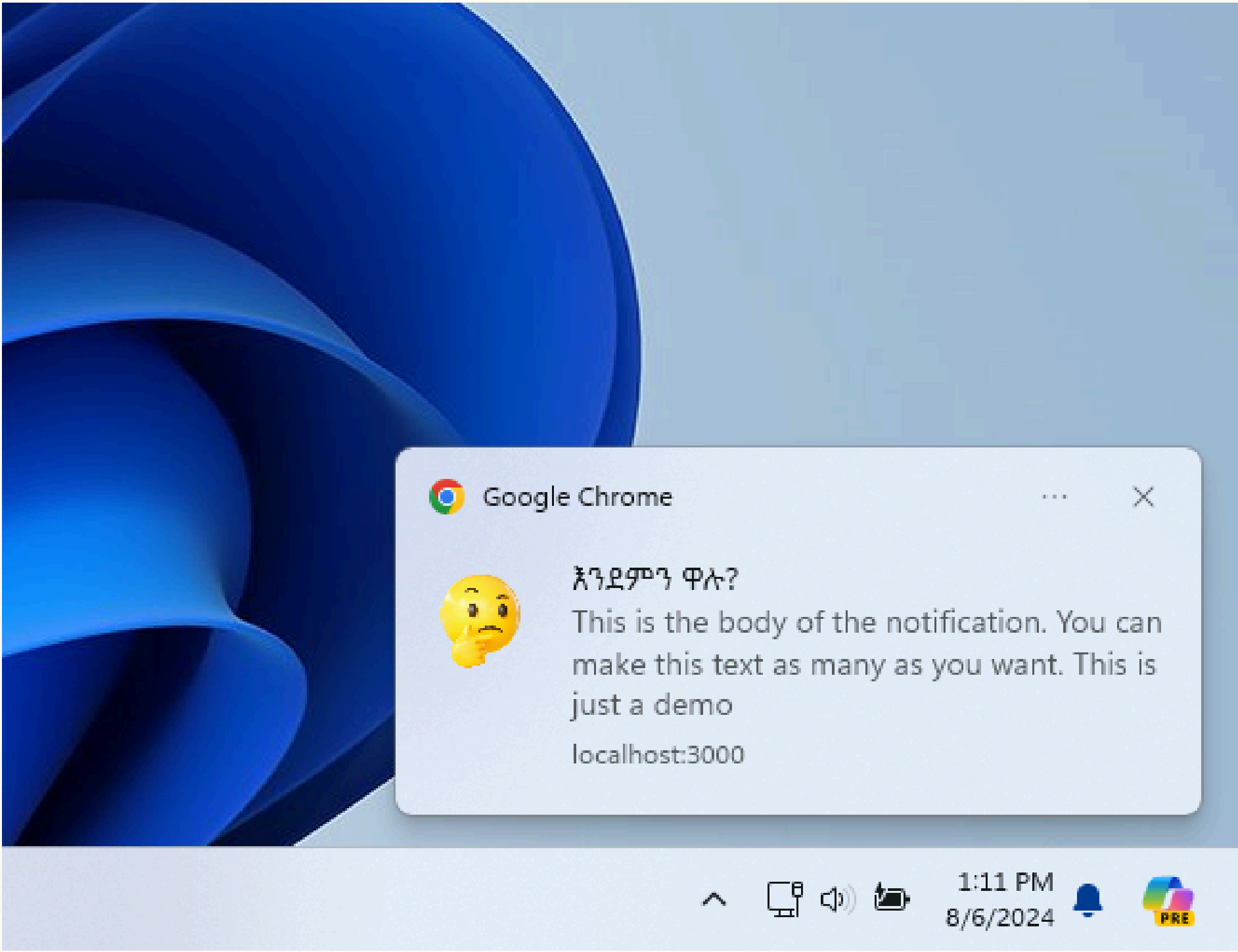


# How to send desktop notifications **React**



## What is Desktop Notification?



Scroll to next page to read more

## About desktop notifications

We can create a **desktop notification** which will be sent from our application (JS code) to the user's desktop.

- The contents of the **notification** can be visible directly on the user's computer without necessarily opening the browser.
- This can be useful for various reasons, such as reminders or to keep the user informed about certain events.
- We can trigger an event when the **notification** is clicked and open a link in response to the **notification** click.
- You can create this type of **notification** using the official JavaScript Notification API without third-party packages, allowing you to add it to any website with simple JavaScript code.

**Note:** To view the notification, browser settings must allow notifications, which means user permission must be granted.



# Steps to create notification

First lets create a component that handles

```
> JS NotificationButton.js > [x] NotificationButton
1 import React, { useEffect } from 'react';
2
3 const NotificationButton = () => {
4
5   return (
6     <button onClick={sendNotification}>Send Notification</button>
7   );
8 };
9
10 export default NotificationButton;
11
```

Next, lets request a permission inside the **useEffect** inside the above component.

```
4 // .....
5 useEffect(() => {
6   // Request notification permission on component mount
7   if (!("Notification" in window)) {
8     alert("This browser does not support desktop notifications.");
9   } else if (Notification.permission !== "denied"
10    && Notification.permission !== "granted") {
11     Notification.requestPermission().then(permission => {
12       if (permission !== "granted") {
13         alert("Notification permission denied.");
14       }
15     }).catch(error => {
16       console.error("Notification permission request failed:", error);
17     });
18   }
19 }, []);
20
21 // ...
```



Then, lets create the `sendNotification` function inside the above component.

```
19 // ...
20 const sendNotification = () => {
21   if (Notification.permission === "granted") {
22     try {
23       const notification = new Notification("አንደኛው ዋሉ?", {
24         body: `This is the body of the notification. You can make this
25 text as many as you want. This is just a demo`,
26         icon: "imoji.png" // this Optional
27       });
28
29       notification.onclick = function () {
30         window.open("https://www.yourwebsite.com"); // also This Optional
31       };
32     } catch (error) {
33       console.error("Failed to show notification:", error);
34     }
35   } else {
36     alert("Notification permission not granted.");
37   }
38 };
39 // ...
```

Finally, import this component into your `App.js`

```
6 import NotificationButton from './NotificationButton';
7 function App() {
8   return (
9     <>
10     <NotificationButton />
11     </>
12   );
13 }
14 export default App;
15
```

Done, now you will be able to see the notification when you click the button inside the `NotificationButton.js`

Thank you for visiting. See you next time!



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