

Setup

Clone repo `git clone https://github.com/GoogleChrome/push-notifications.git`

Install webserver `https://chrome.google.com/webstore/detail/web-server-for-chrome/ofhbbkphhbklhfoeikjpcbhmlcgigb`

Select app folder from cloned repo in webserver

Always update the service worker Open DevTools (Right Click > Inspect) -> Application -> Service Workers -> Update on Reload

Register a Service Worker

```
navigator.serviceWorker.register('sw.js')
  .then(function(swReg) {
    console.log('Service Worker is registered', swReg);
    swRegistration = swReg;
  })
```

Subscribe the user

```
swRegistration.pushManager.getSubscription()
  .then(function(subscription) {
    if (subscription) {
      console.log('User is already subscribed');
      return;
    }
    const title = 'Push Codelab';
    const options = {
      body: 'Yay it works.',
      icon: 'image s/i con.png',
      badge: 'image s/b adg e.png'
    };
    swRegistration.pushManager.subscribe({
      userVisibleOnly: true,
      applicationScope: self.registration.scope
    })
    .then(function(subscription) {
      console.log('User is subscribed');
      updateBtn();
    })
```

Get Application Server Keys

Handle Permission Denied

```
if (Notification.permission === 'denied') {
  pushButton.textContent = 'Push Messaging Blocked.';
  pushButton.disabled = true;
  updateSubscriptionOnServer(null);
  return;
}
if (isSubscribed) {
  pushButton.textContent = 'Disable Push Messaging';
} else {
  pushButton.textContent = 'Enable Push Messaging';
  pushButton.disabled = false;
```

Handle a Push Event

```
self.addEventListener('push', function(event) {
  const data = event.data.json();
  const title = 'Push Codelab';
  const options = {
    body: data.body,
    icon: data.icon,
    badge: data.badge
  };
  self.registration.showNotification(title, options);
});
```

Notification click

```
{
  updateSubscriptionOnServer();
}
```

Sending push messages

Use <https://web-push-codelab.glitch.me/> to send a push message

Unsubscribe the user

```
pushButton.addEventListener('click', function() {
  pushButton.disabled = true;
  if (isSubscribed) {
    unsubscribeUser();
  } else {
    subscribeUser();
  }
});
swRegistration.pushManager.getSubscription()
  .then(function(subscription) {
    if (subscription) {
      return subscription.unsubscribe();
    }
  })
  .then(function() {
    updateSubscriptionOnServer();
  });
```

Generate
public/private
keys

<https://web-push-codelab.glitch.me/>

Insert them into your application

```
self.addEventListener('notificationclick',  
function(event) {  
    console.log( '[Service Worker]  
Notification click Received.' );  
    event.notification.close();  
    event.waitUntil(  
        client.openWindow( 'http -  
s://developer.chrome.com/web/' )  
    );  
});
```



By **[deleted]**

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Published 21st January, 2020.

Last updated 22nd January, 2020.

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