

Register a Service Worker

```
if ('serviceWorker' in
navigator && 'PushManager'
in window) {
  console.log('Service
Worker and Push is
supported');
  navigator.serviceWork-
er.register('sw.js')
  .then(function(swReg) {
    console.log('Service
Worker is registered',
swReg);
    swRegistration =
swReg;
  })
  .catch(function(error)
{
  console.error('-
Service Worker Error',
error);
});
} else {
  console.warn('Push
messaging is not suppor-
ted');
  pushButton.textContent
= 'Push Not Supported';
}
```

Handle Permission Denied

Initialize State

```
function initializeUI() {
  // Set the initial subscription
value
  swRegistration.pushManager.get-
Subscription()
  .then(function(subscription) {
    isSubscribed = !(subscription
=== null);
    if (isSubscribed) {
      console.log('User IS subscri-
bed.');
```

Handle a Push Event

```
self.addEventListener('push',
function(event) {
  console.log('[Service Worker]
Push Received.');
```

```
const title = 'Push Codelab';
const options = {
  body: 'Yay it works.',
  icon: 'images/icon.png',
  badge: 'images/badge.png'
};
event.waitUntil(self.registrat-
ion.showNotification(title,
options));
});
```

Unsubscribe the user

```
pushButton.addEventListener('click',
function() {
  pushButton.disabled = true;
  if (isSubscribed) {
    unsubscribeUser();
  } else {
    subscribeUser();
  }
});
```

Subscribe the user

```
function initializeUI() {
  pushButton.addEventListener('click',
function() {
    pushButton.disabled = true;
    if (isSubscribed) {
      // TODO: Unsubscribe user
    } else {
      subscribeUser();
    }
  });
  // Set the initial subscription value
  swRegistration.pushManager.getSubscr-
iption()
  .then(function(subscription) {
    isSubscribed = !(subscription ===
null);
    updateSubscriptionOnServer(subscript-
ion);
    if (isSubscribed) {
      console.log('User IS subscribed.');
```

Notification click

```
self.addEventListener('notificationclick'
function(event) {
  console.log('[Service Worker] Notifi-
cation click Received.');
```

```
event.notification.close();
event.waitUntil(
  clients.openWindow('https://develope-
rs.google.com/web/')
);
});
```

Download chrome web server

Go to: <https://chrome.google.com/webstore/detail/web-server-for-chrome/ofhbbkphhbklhfoeikjpcbhemoocgigb>

```
function updateBtn() {
  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;
}
```

Get Application Server Keys

```
const
applicationServerPublicKey
= '<Your Public Key>';
```

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By **[deleted]**

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