Cheatography

# Push-Nachrichten Cheatsheet Cheat Sheet

by DucklingLover via cheatography.com/110515/cs/21577/

## Grundlagen

Was sind Push-Nachrichten?

> Nachrichten können über einen Server an Endgeräte versandt werden. Der Server übernimmt die Übertragung.

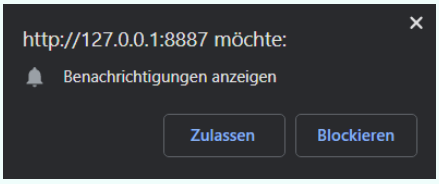
Welcher Web-Server wird verwendet?

> Es gibt einen Web Server welcher für Chrome entwickelt wurde.

## User entfernen

```
function unsubscribeUser() {
    swR egi str ati on.p us -
hMa nag er.g et Sub scr ipt -
ion()
   .th en( fun cti on( sub scr -
iption) {
       if (subsc rip tion) {
           return subscr ipt -
ion.un sub scr ibe();
       }
   })
   .ca tch (fu nct ion (error) {
        con sol e.l og( 'Error
unsubs cri bing', error);
   })
   .th en( fun ction() {
        upd ate Sub scr ipt -
ion OnS erv er( null);
        con sol e.l og( 'User is
unsubs cri bed.');
        isS ubs cribed = false;
        upd ate Btn();
   });
}
```

## Push-Nachrichten müssen erlaubt werden



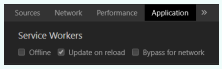

Somit kann der Server nicht ohne Erlaubnis senden und Spam wird verhindert.

## Endpoint String


```
{"endpoint":"https://fcm.googleapis.com/fcm/send/eQshnpmSeIw:APA91bGpXYt58vmomZHEQM7chRnyX
BF12ZjkCO9R4rZYMTpmpce96R5BGACmAYsHeCywQzMAuuVYCO6bCvRbmogNZ_DNTAHIYAaK3lCbm8v-
4843ZpNLcf5zKp2aln-rNOAItfxqGL6e","expirationTime":null,"keys":
{"p256dh":"BCxIhocP0E6ujnezAmfy3el07hNSjTmH7xbOSoXTbdW2Ovmp-
KVc7UwILNKcY5Md5SpDPb_jZGSvqVU9oP-tRs","auth":"tChEOBhQNpN8tY8hkpj3Q"}}
```


Mit diesem String kann man Push-Nachrichten an den Server senden

## Service Workers




Die Service Workers müssen immer neu geladen werden.

## Die Benutzeroberfäche erstellen

```
function initializeUI() {
    pus hBu tto n.a ddE ven -
tLi ste ner ('c lick',
function() {
    pus hBu tto n.d isabled =
true;
   if (isSub scr ibed) {
        uns ubs cri beU ser();
   } else {
        sub scr ibe User();
   }
});
   // Set the initial subscr -
iption value
    swR egi str ati on.p us -
hMa nag er.g et Sub scr ipt -
ion()
   .th en( fun cti on( sub scr -
iption) {
        isS ubs cribed = !
(subs cri ption === null);
        upd ate Sub scr ipt -
ion OnS erv er( sub scr ipt -
ion);
       if (isSub scr ibed) {
            con sol e.l -
og( 'User IS subscr ibe d.');
       } else {
            con sol e.l -
og( 'User is NOT subscr ibe -
d.');
       }
        upd ate Btn();
   });
}
```

## Einen User hinzufügen

```
function subscribeUser() {
    const applic ati onS erv -
erKey = urlB64 ToU int 8Ar ray -
(ap pli cat ion Ser ver Pub -
lic Key);
    swR egi str ati on.p us -
hMa nag er.s ub scr ibe({
        use rVi sib leOnly:
true,
        app lic ati onS erv -
erKey: applic ati onS erv erKey
   })
   .th en( fun cti on( sub scr -
iption) {
        con sol e.l og( 'User is
subscr ibe d.');
        upd ate Sub scr ipt -
ion OnS erv er( sub scr ipt -
ion);
        isS ubs cribed = true;
        upd ate Btn();
   })
   .ca tch (fu nct ion (err) {
        con sol e.l og( 'Failed
to subscribe the user: ', err);
        upd ate Btn();
   });
}
```

## Web Server für Chrome

## Keys

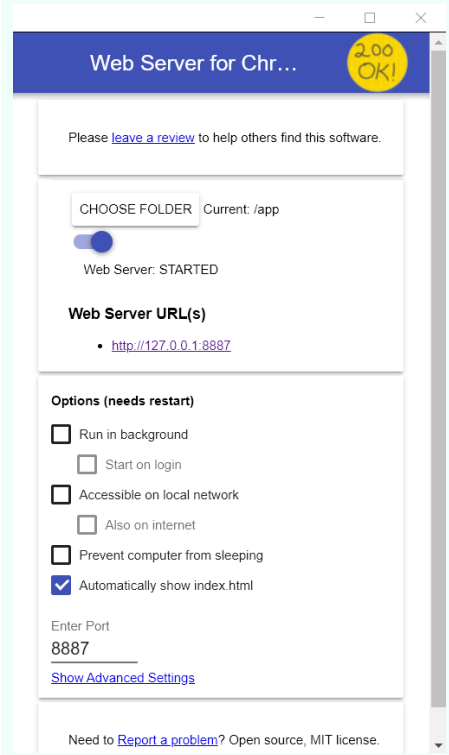
**Public Key**

BHGGI_JUMSeTJQEHZUbmcfrWdzgwSscExRHavLsp64dPLP6-WDEq6fMhTfhYO7VBlSD7oAF2wpYgXuoE7Nzo4L0

**Private Key**

-qeFCpyiGxXIFCvYfF9BqxtDkSXTJC5qZdSrb_Xtupo

https://web-push-codelab.glitch.me//
Auf dieser Website kann man die Keys generieren und Push-Nachrichten senden.





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