

# Webhooks

Odjemniki REST api-ja si lahko nastavijo webhook notification-e.

## Implementacija na strani uporabnika

Uporabnik mora zagotoviti HTTPS endpoint. Ob registraciji webook endpointa se na webhook pošlje naslednji request:

## Metoda

POST

## Headers

- x-amz-sns-message-type: **SubscriptionConfirmation**
- x-amz-sns-message-id: 165545c9-2a5c-472c-8df2-7ff2be2b3b1b
- x-amz-sns-topic-arn: arn:aws:sns:us-west-2:123456789012:MyTopic
- Content-Length: 1336
- Content-Type: text/plain; charset=UTF-8
- Host: [example.com](#)
- Connection: Keep-Alive
- User-Agent: Amazon Simple Notification Service Agent

## Body

## Request body

```
{
  "Type" : "SubscriptionConfirmation",
  "MessageId" : "165545c9-2a5c-472c-8df2-7ff2be2b3b1b",
  "Token" :
"2336412f37fb687f5d51e6e241d09c805a5a57b30d712f794cc5f6a988666d92768dd60
a747ba6f3beb71854e285d6ad02428b09ceece29417f1f02d609c582afbacc99c583a916
b9981dd2728f4ae6fdb82efd087cc3b7849e05798d2d2785c03b0879594eeac82c01f235
d0e717736",
  "TopicArn" : "arn:aws:sns:us-west-2:123456789012:MyTopic",
  "Message" : "You have chosen to subscribe to the topic
arn:aws:sns:us-west-2:123456789012:MyTopic.\nTo confirm the
subscription, visit the SubscribeURL included in this message.",
  "SubscribeURL" :
"https://sns.us-west-2.amazonaws.com/?Action=ConfirmSubscription&TopicAr
n=arn:aws:sns:us-west-2:123456789012:MyTopic&Token=2336412f37fb687f5d51e
6e241d09c805a5a57b30d712f794cc5f6a988666d92768dd60a747ba6f3beb71854e285d
6ad02428b09ceece29417f1f02d609c582afbacc99c583a916b9981dd2728f4ae6fdb82e
fd087cc3b7849e05798d2d2785c03b0879594eeac82c01f235d0e717736",
  "Timestamp" : "2012-04-26T20:45:04.751Z",
  "SignatureVersion" : "1",
  "Signature" :
"EXAMPLEpH+DcEwjAPg8O9mY8dReBSwksfg2S7WKQcikcNKWLQjwu6A4VbeS0QHVCkhRS7fU
Qvi2egU3N858fiTDN6bkkOxYDVrY0Ad8L10Hs3zH81mtnP5uvvolIC1CXGu43obcgFxeL3k
hZl8IKvO6lGWB6jI9b5+gLPoBc1Q=",
  "SigningCertURL" :
"https://sns.us-west-2.amazonaws.com/SimpleNotificationService-f3ecfb722
4c7233fe7bb5f59f96de52f.pem"
}
```

Ko se registrira webhook se na definiran endpoint pošlje zgornji request. Potrebno je preveriti e ima header *x-amz-sns-message-type* vrednost *SubscriptionConfirmation*. e jo ima potem se iz body-a prebere *SubscribeURL*, ki se ga odpre in s tem potrdi subscription.

Spodaj je primer implemntacije na AWS Lambdi:

### Primer AWS Lambda

```
import urllib
import json

def lambda_handler(event, context):
    print(event)
    msg_type = event.get('headers').get('x-amz-sns-message-type')
    if msg_type == 'SubscriptionConfirmation':
        url = json.loads(event.get('body')).get('SubscribeURL')
        urllib.request.urlopen(url)
```

## Registracija webhook

### URL

<https://api.invoice.algoritmik.si/stage/v1/register-webhook>

### Headers

- Content-Type: application/json
- x-api-key: <api\_key>

### Method

POST

### Body

#### POST body

```
{
  "enterprise_name": "<ime_firme>",
  "endpoint_url": "<url>"
}
```

### POST body

```
{  
  "enterprise_name": "Algoritmik d.o.o.",  
  "endpoint_url": "https://test.com"  
}
```

## Opozorilo

Endpoint mora biti HTTPS

## Response

### Response

```
{  
  "message": "Webhook successfully registered!"  
}
```