A *get-interface.py* szkript:

**import requests**

**import urllib3**

**import json**

**ip\_address = '192.168.33.162'**

**interface = 'loopback0'**

**username = 'admin'**

**password = 'admin'**

**def get\_token():**

**"""**

**Authenticate and get token**

**"""**

**url = 'https://%s:55443/api/v1/auth/token-services' % ip\_address**

**auth = (username, password)**

**headers = {'Content-Type':'application/json'}**

**response = requests.post(url, auth=auth, headers=headers, verify=False)**

**json\_data = json.loads(response.text)**

**token = json\_data['token-id']**

**print('We received token: %s' % token)**

**return token**

**def get\_interface(token, interface):**

**"""**

**Retrieve interface information from router.**

**"""**

**url = 'https://%s:55443/api/v1/interfaces/%s' % (ip\_address, interface)**

**headers={ 'Content-Type': 'application/json', 'X-auth-token': token}**

**response = requests.get(url, headers=headers, verify=False)**

**json\_data = json.loads(response.text)**

**print("Here is the interface information: \n")**

**print(json.dumps(json\_data, indent=4, separators=(',', ': ')))**

**# Disable unverified HTTPS request warnings.**

**urllib3.disable\_warnings(urllib3.exceptions.InsecureRequestWarning)**

**# Get token.**

**token = get\_token()**

**# GET interface information.**

**get\_interface(token, interface)**

A *put-interface.py* szkript:

**import requests**

**import urllib3**

**import json**

**ip\_address = '192.168.33.162'**

**interface = 'loopback0'**

**username = 'admin'**

**password = 'admin'**

**def get\_token():**

**"""**

**Authenticate and get token**

**"""**

**url = 'https://%s:55443/api/v1/auth/token-services' % ip\_address**

**auth = (username, password)**

**headers = {'Content-Type':'application/json'}**

**response = requests.post(url, auth=auth, headers=headers, verify=False)**

**json\_data = json.loads(response.text)**

**token = json\_data['token-id']**

**print('We received token: %s' % token)**

**return token**

**def put\_interface(token, interface):**

**"""**

**Retrieve interface information from router.**

**"""**

**url = 'https://%s:55443/api/v1/interfaces/%s' % (ip\_address, interface)**

**headers={ 'Content-Type': 'application/json', 'X-auth-token': token}**

**payload = {**

**'type':'ethernet',**

**'if-name':interface,**

**'ip-address':'11.11.11.11',**

**'subnet-mask':'255.255.255.255',**

**'description': 'TEST-PUT-INTERFACE'**

**}**

**response = requests.put(url, headers=headers, json=payload, verify=False)**

**print('The router responds with status code: %s ' % response.status\_code)**

**# Disable unverified HTTPS request warnings.**

**urllib3.disable\_warnings(urllib3.exceptions.InsecureRequestWarning)**

**# Get token.**

**token = get\_token()**

**# PUT interface information.**

**put\_interface(token, interface)**