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)**