**Patch Interface IP Address**

Returns the banner of the router

**URL**

restconf/data/ietf-interfaces:interfaces/interface=*interface*/ietfip:ipv4/address"

**Method**

PUT

**URL Params**

hostAddress=[string]

interfacename=[string]

**Required:**

ipAddress=[string]

subnetMask=[string]

**Data Params**

{

    "ietf-ip:address": [

        {

            "ip": "192.168.56.1",

            "netmask": "255.255.255.128"

        }

    ]

}

**Success Response:**

Code: 204

Content: None

**Error Response:**

If the user is not authorized, they will get access denied.

Code: 401 Unauthorized

Content:

{

    "errors": {

        "error": [

            {

                "error-tag": "access-denied",

                "error-type": "protocol"

            }

        ]

    }

If an invalid IP address or subnet mask is supplied, the error below will be returned

Code: 400 Bad Request

Content: {

    "errors": {

        "error": [

            {

                "error-message": "invalid value for: ip in /interfaces/interface/ip:ipv4/ip:address/ip:ip",

                "error-path": "/ietf-interfaces:interfaces/interface=GigabitEthernet3/ietf-ip:ipv4/address",

                "error-tag": "malformed-message",

                "error-type": "application"

            }

        ]

    }

}

**Sample Call:**

    interface = input('Enter Interface: ')

    interfaceIpAddress = input('Enter Interface IP Address: ')

    interfaceSubnetMask = input('Enter Interface Subnet Mask: ')

    url = "https://{h}/restconf/data/ietf-interfaces:interfaces/interface={j}/ietf-ip:ipv4/address".format(h=ipAddress,j=interface)

    payload = "{\"ietf-ip:address\": [{\"ip\": \"" + interfaceIpAddress + "\",\"netmask\": \"" + interfaceSubnetMask +" \"}]}"

    headers = {'Content-Type': 'application/yang-data+json',

               'Accept': 'application/yang-data+json'}

    response = requests.patch(url, auth=(username, password),

                            data=payload, headers=headers, verify=False)

**Notes**:

<This is where all uncertainties, commentary, discussion etc. can go. I recommend timestamping and identifying oneself when leaving comments here.>