**Get Interface IP**

Returns the ip address of a router interface

**URL**

restconf/data/ietf-interfaces:interfaces/interface=GigabitEthernet3/ietf-ip:ipv4/address

**Method**

GET

**URL Params**

hostAddress=[string]

interfacename=[string]

**Required:**

Description=[string]

**Data Params**

None

**Success Response:**

Code: 200

Content: {

    "ietf-ip:address": [

        {

            "ip": "192.168.56.1",

            "netmask": "255.255.255.128"

        }

    ]

}

**Error Response:**

If the description is explicitly not set, nothing will be returned

Code: 404 Not Found

Content: nothing is returned

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

Code: 401 Unauthorized

Content:

{

    "errors": {

        "error": [

            {

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

                "error-type": "protocol"

            }

        ]

    }

}

**Sample Call:**

    interface = input('Enter Interface: ')

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

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

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

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

                            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.>