



## Networking

### ONTAP automation

NetApp  
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# Networking

## List the IP interfaces using the ONTAP REST API

You can retrieve the IP LIFs assigned to the cluster and SVMs. You might do this to confirm your network configuration or when planning to add another LIF.

### HTTP method and endpoint

This REST API call uses the following method and endpoint.

HTTP method	Path
GET	/api/network/ip/interfaces

### Processing type

Synchronous

### Additional input parameters for the Curl examples

In addition to the parameters common with all REST API calls, the following parameters are also used in the curl examples for this step.

Parameter	Type	Required	Description
fields	Query	No	Return a limited list of the relevant configuration values.

### Curl example: return all LIFs with the default configuration values

```
1 curl --request GET \  
2 --location "https://$FQDN_IP/api/network/ip/interfaces" \  
3 --include \  
4 --header "Accept: */*" \  
5 --header "Authorization: Basic $BASIC_AUTH"
```

### Curl example: Return all LIFs with four specific configuration values

```
1 curl --request GET \  
2 --location
```

```
"https://$FQDN_IP/api/network/ip/interfaces?fields=name,scope,svm.name,ip.  
address" \  
3 --include \  
4 --header "Accept: */*" \  
5 --header "Authorization: Basic $BASIC_AUTH"
```

## JSON output example

```
{
  "records": [
    {
      "uuid": "5ded9e38-999e-11ee-acad-005056ae6bd8",
      "name": "sti214-vsim-sr027o_mgmt1",
      "ip": {
        "address": "172.29.151.116"
      },
      "scope": "cluster",
      "_links": {
        "self": {
          "href": "/api/network/ip/interfaces/5ded9e38-999e-11ee-acad-005056ae6bd8"
        }
      }
    },
    {
      "uuid": "bb03c162-999e-11ee-acad-005056ae6bd8",
      "name": "cluster_mgmt",
      "ip": {
        "address": "172.29.186.156"
      },
      "scope": "cluster",
      "_links": {
        "self": {
          "href": "/api/network/ip/interfaces/bb03c162-999e-11ee-acad-005056ae6bd8"
        }
      }
    },
    {
      "uuid": "c5ffbd03-999e-11ee-acad-005056ae6bd8",
      "name": "sti214-vsim-sr027o_data1",
      "ip": {
        "address": "172.29.186.150"
      },
      "scope": "svm",
      "svm": {
        "name": "vs0"
      },
      "_links": {
        "self": {
          "href": "/api/network/ip/interfaces/c5ffbd03-999e-11ee-acad-005056ae6bd8"
        }
      }
    }
  ]
}
```

```

    }
  },
  {
    "uuid": "c6612abe-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data2",
    "ip": {
      "address": "172.29.186.151"
    },
    "scope": "svm",
    "svm": {
      "name": "vs0"
    },
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c6612abe-999e-11ee-acad-005056ae6bd8"
      }
    }
  },
  {
    "uuid": "c6b21b94-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data3",
    "ip": {
      "address": "172.29.186.152"
    },
    "scope": "svm",
    "svm": {
      "name": "vs0"
    },
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c6b21b94-999e-11ee-acad-005056ae6bd8"
      }
    }
  },
  {
    "uuid": "c7025322-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data4",
    "ip": {
      "address": "172.29.186.153"
    },
    "scope": "svm",
    "svm": {
      "name": "vs0"
    }
  }
}

```

```

    },
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c7025322-999e-11ee-acad-005056ae6bd8"
      }
    }
  },
  {
    "uuid": "c752cc66-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data5",
    "ip": {
      "address": "172.29.186.154"
    },
    "scope": "svm",
    "svm": {
      "name": "vs0"
    },
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c752cc66-999e-11ee-acad-005056ae6bd8"
      }
    }
  },
  {
    "uuid": "c7a03719-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data6",
    "ip": {
      "address": "172.29.186.155"
    },
    "scope": "svm",
    "svm": {
      "name": "vs0"
    },
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c7a03719-999e-11ee-acad-005056ae6bd8"
      }
    }
  },
  {
    "uuid": "ccd4c59c-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data4_inet6",
    "ip": {

```

```

        "address": "fd20:8ble:b255:300f::ac5"
    },
    "scope": "svm",
    "svm": {
        "name": "vs0"
    },
    "_links": {
        "self": {
            "href": "/api/network/ip/interfaces/ccd4c59c-999e-11ee-acad-005056ae6bd8"
        }
    }
},
{
    "uuid": "d9144c30-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data6_inet6",
    "ip": {
        "address": "fd20:8ble:b255:300f::ac7"
    },
    "scope": "svm",
    "svm": {
        "name": "vs0"
    },
    "_links": {
        "self": {
            "href": "/api/network/ip/interfaces/d9144c30-999e-11ee-acad-005056ae6bd8"
        }
    }
},
{
    "uuid": "d961c13b-999e-11ee-acad-005056ae6bd8",
    "name": "sti214-vsim-sr027o_data1_inet6",
    "ip": {
        "address": "fd20:8ble:b255:300f::ac2"
    },
    "scope": "svm",
    "svm": {
        "name": "vs0"
    },
    "_links": {
        "self": {
            "href": "/api/network/ip/interfaces/d961c13b-999e-11ee-acad-005056ae6bd8"
        }
    }
}

```



```

},
{
  "uuid": "d9ac8d6a-999e-11ee-acad-005056ae6bd8",
  "name": "sti214-vsim-sr027o_data5_inet6",
  "ip": {
    "address": "fd20:8ble:b255:300f::ac6"
  },
  "scope": "svm",
  "svm": {
    "name": "vs0"
  },
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces/d9ac8d6a-999e-11ee-acad-005056ae6bd8"
    }
  }
},
{
  "uuid": "d9fc1a3-999e-11ee-acad-005056ae6bd8",
  "name": "sti214-vsim-sr027o_data2_inet6",
  "ip": {
    "address": "fd20:8ble:b255:300f::ac3"
  },
  "scope": "svm",
  "svm": {
    "name": "vs0"
  },
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces/d9fc1a3-999e-11ee-acad-005056ae6bd8"
    }
  }
},
{
  "uuid": "da4995a0-999e-11ee-acad-005056ae6bd8",
  "name": "sti214-vsim-sr027o_data3_inet6",
  "ip": {
    "address": "fd20:8ble:b255:300f::ac4"
  },
  "scope": "svm",
  "svm": {
    "name": "vs0"
  },
  "_links": {

```

```

        "self": {
            "href": "/api/network/ip/interfaces/da4995a0-999e-11ee-acad-005056ae6bd8"
        }
    },
    {
        "uuid": "da9e7afd-999e-11ee-acad-005056ae6bd8",
        "name": "sti214-vsim-sr027o_cluster_mgmt_inet6",
        "ip": {
            "address": "fd20:8b1e:b255:300f::ac8"
        },
        "scope": "cluster",
        "_links": {
            "self": {
                "href": "/api/network/ip/interfaces/da9e7afd-999e-11ee-acad-005056ae6bd8"
            }
        }
    },
    {
        "uuid": "e6db58b4-999e-11ee-acad-005056ae6bd8",
        "name": "sti214-vsim-sr027o_mgmt1_inet6",
        "ip": {
            "address": "fd20:8b1e:b255:3008::1a0"
        },
        "scope": "cluster",
        "_links": {
            "self": {
                "href": "/api/network/ip/interfaces/e6db58b4-999e-11ee-acad-005056ae6bd8"
            }
        }
    },
    ],
    "num_records": 16,
    "_links": {
        "self": {
            "href":
"/api/network/ip/interfaces?fields=name,scope,svm.name,ip.address"
        }
    }
}

```

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