



# Manage network IP interfaces

## ONTAP 9.7 REST API reference

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August 29, 2024

# Table of Contents

- Manage network IP interfaces ..... 1
  - Network IP interfaces endpoint overview ..... 1
  - Retrieve all IP interface details ..... 16
  - Create a new cluster-scoped or SVM-scoped interface ..... 28
  - Delete an IP interface ..... 42
  - Retrieve details for an IP interface ..... 43
  - Update an IP interface ..... 51

# Manage network IP interfaces

## Network IP interfaces endpoint overview

### Overview

The following operations are supported:

- Creation: POST network/ip/interfaces
- Collection Get: GET network/ip/interfaces
- Instance Get: GET network/ip/interfaces/{uuid}
- Instance Patch: PATCH network/ip/interfaces/{uuid}
- Instance Delete: DELETE network/ip/interfaces/{uuid}

### Retrieving network interface information

The IP interfaces GET API retrieves and displays relevant information pertaining to the interfaces configured in the cluster. The response can contain a list of multiple interfaces or a specific interface. The fields returned in the response vary for different interfaces and configurations.

### Examples

#### Retrieving all interfaces in the cluster

The following example shows the list of all interfaces configured in a cluster.

```
# The API:
/api/network/ip/interfaces

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/interfaces" -H "accept:
application/hal+json"

# The response:
{
  "records": [
    {
      "uuid": "14531286-59fc-11e8-ba55-005056b4340f",
      "name": "user-cluster-01_mgmt1",
      "_links": {
        "self": {
          "href": "/api/network/ip/interfaces/14531286-59fc-11e8-ba55-
005056b4340f"
        }
      }
    }
  ]
}
```

```

    }
  },
  {
    "uuid": "145318ba-59fc-11e8-ba55-005056b4340f",
    "name": "user-cluster-01_clus2",
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/145318ba-59fc-11e8-ba55-005056b4340f"
      }
    }
  },
  {
    "uuid": "14531e45-59fc-11e8-ba55-005056b4340f",
    "name": "user-cluster-01_clus1",
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/14531e45-59fc-11e8-ba55-005056b4340f"
      }
    }
  },
  {
    "uuid": "245979de-59fc-11e8-ba55-005056b4340f",
    "name": "cluster_mgmt",
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/245979de-59fc-11e8-ba55-005056b4340f"
      }
    }
  },
  {
    "uuid": "c670707c-5a11-11e8-8fcb-005056b4340f",
    "name": "lif1",
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/c670707c-5a11-11e8-8fcb-005056b4340f"
      }
    }
  }
],
"num_records": 5,
"_links": {
  "self": {

```

```
    "href": "/api/network/ip/interfaces"
  }
}
```

## Retrieving a specific Cluster-scoped interface

The following example shows the response when a specific Cluster-scoped interface is requested. The system returns an error when there is no interface with the requested UUID. SVM information is not returned for Cluster-scoped interfaces.

```
# The API:
/api/network/ip/interfaces/{uuid}

# The call:
curl -X GET "https://<mgmt-ip>/api/network/ip/interfaces/245979de-59fc-11e8-ba55-005056b4340f" -H "accept: application/hal+json"

# The response:
{
  "uuid": "245979de-59fc-11e8-ba55-005056b4340f",
  "name": "cluster_mgmt",
  "ip": {
    "address": "10.63.41.6",
    "netmask": "18",
    "family": "ipv4",
  },
  "enabled": true,
  "state": "up",
  "scope": "cluster",
  "ipSPACE": {
    "uuid": "114ecfb5-59fc-11e8-ba55-005056b4340f",
    "name": "Default",
    "_links": {
      "self": {
        "href": "/api/network/ipspaces/114ecfb5-59fc-11e8-ba55-005056b4340f"
      }
    }
  },
  "services": [
    "management_core",
    "management_autosupport",
  ]
}
```

```

    "management_access"
  ],
  "location": {
    "is_home": true,
    "auto_revert": false,
    "failover": "broadcast_domain_only",
    "node": {
      "uuid": "c1db2904-1396-11e9-bb7d-005056acfcbb",
      "name": "user-cluster-01-a",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/c1db2904-1396-11e9-bb7d-005056acfcbb"
        }
      }
    }
  },
  "port": {
    "uuid": "c84d5337-1397-11e9-87c2-005056acfcbb",
    "name": "e0d",
    "node": {
      "name": "user-cluster-01-a"
    },
    "_links": {
      "self": {
        "href": "/api/network/ethernet/ports/c84d5337-1397-11e9-87c2-005056acfcbb"
      }
    }
  },
  "home_node": {
    "uuid": "c1db2904-1396-11e9-bb7d-005056acfcbb",
    "name": "user-cluster-01-a",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/c1db2904-1396-11e9-bb7d-005056acfcbb"
      }
    }
  },
  "home_port": {
    "uuid": "c84d5337-1397-11e9-87c2-005056acfcbb",
    "name": "e0d",
    "node": {
      "name": "user-cluster-01-a"
    },
    "_links": {
      "self": {
        "href": "/api/network/ethernet/ports/c84d5337-1397-11e9-87c2-

```

```

005056acfcbb"
    }
  }
},
"service_policy": {
  "uuid": "9e0f4151-141b-11e9-851e-005056ac1ce0",
  "name": "default-management"
},
"vip": false,
"_links": {
  "self": {
    "href": "/api/network/ip/interfaces/245979de-59fc-11e8-ba55-
005056b4340f"
  }
}
}
}

```

### Retrieving a specific SVM-scoped interface using a filter

The following example shows the response when a specific SVM-scoped interface is requested. The SVM object is only included for SVM-scoped interfaces.

```

# The API:
/api/network/ip/interfaces

# The call:
curl -X GET "https://<mgmt-
ip>/api/network/ip/interfaces?name=lif1&fields=*" -H "accept:
application/hal+json"

# The response:
{
  "records": [
    {
      "uuid": "c670707c-5a11-11e8-8fcb-005056b4340f",
      "name": "lif1",
      "ip": {
        "address": "10.10.10.11",
        "netmask": "24",
        "family": "ipv4",
      },
      "enabled": true,

```

```
"state": "up",
"scope": "svm",
"ipspace": {
  "uuid": "114ecfb5-59fc-11e8-ba55-005056b4340f",
  "name": "Default",
  "_links": {
    "self": {
      "href": "/api/network/ipspaces/114ecfb5-59fc-11e8-ba55-
005056b4340f"
    }
  }
},
"svm": {
  "uuid": "c2134665-5a11-11e8-8fcb-005056b4340f",
  "name": "user_vs0",
  "_links": {
    "self": {
      "href": "/api/svm/svms/c2134665-5a11-11e8-8fcb-005056b4340f"
    }
  }
},
"services": [
  "data_core",
  "data_nfs",
  "data_cifs",
  "data_flexcache"
],
"location": {
  "is_home": true,
  "auto_revert": false,
  "failover": "broadcast_domain_only",
  "node": {
    "uuid": "c1db2904-1396-11e9-bb7d-005056acfcbb",
    "name": "user-cluster-01-a",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/c1db2904-1396-11e9-bb7d-
005056acfcbb"
      }
    }
  }
},
"port": {
  "uuid": "c84d5337-1397-11e9-87c2-005056acfcbb",
  "name": "e0d",
  "node": {
    "name": "user-cluster-01-a"
```



```

    },
    "_links": {
      "self": {
        "href": "/api/network/ethernet/ports/c84d5337-1397-11e9-87c2-005056acfcbb"
      }
    }
  },
  "home_node": {
    "uuid": "c1db2904-1396-11e9-bb7d-005056acfcbb",
    "name": "user-cluster-01-a",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/c1db2904-1396-11e9-bb7d-005056acfcbb"
      }
    }
  },
  "home_port": {
    "uuid": "c84d5337-1397-11e9-87c2-005056acfcbb",
    "name": "e0d",
    "node": {
      "name": "user-cluster-01-a"
    },
    "_links": {
      "self": {
        "href": "/api/network/ethernet/ports/c84d5337-1397-11e9-87c2-005056acfcbb"
      }
    }
  },
  "service_policy": {
    "uuid": "9e53525f-141b-11e9-851e-005056ac1ce0",
    "name": "default-data-files"
  },
  "vip": false,
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces/c670707c-5a11-11e8-8fcb-005056b4340f"
    }
  }
},
"num_records": 1,

```

```
"_links": {
  "self": {
    "href": "/api/network/ip/interfaces?name=lif1&fields=*"
  }
}
}
```

## Retrieving specific fields and limiting the output using filters

The following example shows the response when a filter is applied (`location.home_port.name=e0a`) and only certain fields are requested. Filtered fields are in the output in addition to the default fields and requested fields.

```
# The API:
/api/network/ip/interfaces

# The call:
curl -X GET "https://<mgmt-
ip>/api/network/ip/interfaces?location.home_port.name=e0a&fields=location.
home_node.name,service_policy.name,ip.address,enabled" -H "accept:
application/hal+json"

# The response:
{
  "records": [
    {
      "uuid": "1d1c9dc8-4f17-11e9-9553-005056ac918a",
      "name": "user-cluster-01-a_clus1",
      "ip": {
        "address": "192.168.170.24"
      },
      "enabled": true,
      "location": {
        "home_node": {
          "name": "user-cluster-01-a"
        },
        "home_port": {
          "name": "e0a"
        }
      },
      "service_policy": {
        "name": "default-cluster"
      }
    }
  ]
}
```

```

    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/1d1c9dc8-4f17-11e9-9553-005056ac918a"
      }
    },
    {
      "uuid": "d07782c1-4f16-11e9-86e7-005056ace7ee",
      "name": "user-cluster-01-b_clus1",
      "ip": {
        "address": "192.168.170.22"
      },
      "enabled": true,
      "location": {
        "home_node": {
          "name": "user-cluster-01-b"
        },
        "home_port": {
          "name": "e0a"
        }
      },
      "service_policy": {
        "name": "default-cluster"
      },
      "_links": {
        "self": {
          "href": "/api/network/ip/interfaces/d07782c1-4f16-11e9-86e7-005056ace7ee"
        }
      }
    }
  ],
  "num_records": 2,
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces?location.home_port.name=e0a&fields=location.home_node.name,service_policy.name,ip.address,enabled"
    }
  }
}

```

## Creating IP interfaces

You can use the IP interfaces POST API to create IP interfaces as shown in the following examples.

### Examples

#### Creating a Cluster-scoped IP interface using names

The following example shows the record returned after the creation of an IP interface on "e0d".

```
# The API:
/api/network/ip/interfaces

# The call:
curl -X POST "https://<mgmt-
ip>/api/network/ip/interfaces?return_records=true" -H "accept:
application/hal+json" -d '{ "name": "cluster_mgmt", "ip": { "address":
"10.63.41.6", "netmask": "18" }, "enabled": true, "scope": "cluster",
"ipspace": { "name": "Default" }, "location": { "auto_revert": false,
"failover": "broadcast_domain_only", "home_port": { "name": "e0d", "node":
{ "name": "user-cluster-01-a" } } }, "service_policy": { "name": "default-
management" } }'
```

```
# The response:
{
  "num_records": 1,
  "records": [
    {
      "uuid": "245979de-59fc-11e8-ba55-005056b4340f",
      "name": "cluster_mgmt",
      "ip": {
        "address": "10.63.41.6",
        "netmask": "18"
      },
      "enabled": true,
      "scope": "cluster",
      "ipspace": {
        "name": "Default"
      },
      "location": {
        "auto_revert": false,
        "failover": "broadcast_domain_only",
        "home_port": {
          "name": "e0d",
```

```

    "node": {
      "name": "user-cluster-01-a"
    },
  },
  "service_policy": {
    "name": "default-management"
  },
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces/245979de-59fc-11e8-ba55-005056b4340f"
    }
  }
}
]
}

```

### Creating a SVM-scoped IP interface using a mix of parameter types

The following example shows the record returned after the creation of a IP interface by specifying a broadcast domain as the location.

```

# The API:
/api/network/ip/interfaces

# The call:
curl -X POST "https://<mgmt-
ip>/api/network/ip/interfaces?return_records=true" -H "accept:
application/hal+json" -d '{ "name": "Data1", "ip": { "address":
"10.234.101.116", "netmask": "255.255.240.0" }, "enabled": true, "scope":
"svm", "svm": { "uuid": "137f3618-1e89-11e9-803e-005056a7646a" },
"location": { "auto_revert": true, "broadcast_domain": { "name": "Default"
} }, "service_policy": { "name": "default-data-files" } }'

# The response:
{
  "num_records": 1,
  "records": [
    {
      "uuid": "80d271c9-1f43-11e9-803e-005056a7646a",
      "name": "Data1",
      "ip": {

```

```

    "address": "10.234.101.116",
    "netmask": "20"
  },
  "enabled": true,
  "scope": "svm",
  "svm": {
    "uuid": "137f3618-1e89-11e9-803e-005056a7646a",
    "name": "vs0",
    "_links": {
      "self": {
        "href": "/api/svm/svms/137f3618-1e89-11e9-803e-005056a7646a"
      }
    }
  },
  "location": {
    "auto_revert": true
  },
  "service_policy": {
    "name": "default-data-files"
  },
  "_links": {
    "self": {
      "href": "/api/network/ip/interfaces/80d271c9-1f43-11e9-803e-005056a7646a"
    }
  }
}
]
}

```

### Creating a Cluster-scoped IP interface without specifying the scope parameter

The following example shows the record returned after creating an IP interface on "e0d" without specifying the scope parameter. The scope is "cluster" if an "svm" is not specified.

```

# The API:
/api/network/ip/interfaces

# The call:
curl -X POST "https://<mgmt-
ip>/api/network/ip/interfaces?return_records=true" -H "accept:
application/hal+json" -d '{ "name": "cluster_mgmt", "ip": { "address":
"10.63.41.6", "netmask": "18" }, "enabled": true, "ipspace": { "name":

```

```
"Default" }, "location": { "auto_revert": false, "home_port": { "name":  
"e0d", "node": { "name": "user-cluster-01-a" } } }, "service_policy": {  
"name": "default-management" } }'
```

# The response:

```
{  
"num_records": 1,  
"records": [  
  {  
    "uuid": "245979de-59fc-11e8-ba55-005056b4340f",  
    "name": "cluster_mgmt",  
    "ip": {  
      "address": "10.63.41.6",  
      "netmask": "18"  
    },  
    "enabled": true,  
    "scope": "cluster",  
    "ipspace": {  
      "name": "Default"  
    },  
    "location": {  
      "auto_revert": false,  
      "home_port": {  
        "name": "e0d",  
        "node": {  
          "name": "user-cluster-01-a"  
        }  
      }  
    },  
    "service_policy": {  
      "name": "default-management"  
    },  
    "_links": {  
      "self": {  
        "href": "/api/network/ip/interfaces/245979de-59fc-11e8-ba55-  
005056b4340f"  
      }  
    }  
  }  
]  
}
```

## Creating an SVM-scoped IP interface without specifying the scope parameter

The following example shows the record returned after creating an IP interface on "e0d" without specifying the scope parameter. The scope is "svm" if the "svm" field is specified.

```
# The API:
/api/network/ip/interfaces

# The call:
curl -X POST "https://<mgmt-
ip>/api/network/ip/interfaces?return_records=true" -H "accept:
application/hal+json" -d '{ "name": "Data1", "ip": { "address":
"10.234.101.116", "netmask": "255.255.240.0" }, "enabled": true, "svm": {
"uuid": "137f3618-1e89-11e9-803e-005056a7646a" }, "location": {
"auto_revert": true, "broadcast_domain": { "name": "Default" } },
"service_policy": { "name": "default-data-files" } }'
```

```
# The response:
{
  "num_records": 1,
  "records": [
    {
      "uuid": "80d271c9-1f43-11e9-803e-005056a7646a",
      "name": "Data1",
      "ip": {
        "address": "10.234.101.116",
        "netmask": "20"
      },
      "enabled": true,
      "scope": "svm",
      "svm": {
        "uuid": "137f3618-1e89-11e9-803e-005056a7646a",
        "name": "vs0",
        "_links": {
          "self": {
            "href": "/api/svms/137f3618-1e89-11e9-803e-005056a7646a"
          }
        }
      },
      "location": {
        "auto_revert": true
      },
      "service_policy": {
        "name": "default-data-files"
      },
    }
  ]
}
```



```
    "_links": {
      "self": {
        "href": "/api/network/ip/interfaces/80d271c9-1f43-11e9-803e-005056a7646a"
      }
    }
  }
]
}
```

---

## Updating IP interfaces

You can use the IP interfaces PATCH API to update the attributes of an IP interface.

---

### Examples

#### Updating the auto revert flag of an IP interface

The following example shows how the PATCH request changes the auto revert flag to 'false'.

```
# The API:
/api/network/ip/interfaces/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/network/ip/interfaces/80d271c9-1f43-11e9-803e-005056a7646a" -H "accept: application/hal+json" -d '{
"location": { "auto_revert": "false" } }'
{
}
```

---

#### Updating the service policy of an IP interface

The following example shows how the PATCH request changes the service policy to 'default-management'.

```
# The API:
/api/network/ip/interfaces/{uuid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/network/ip/interfaces/80d271c9-1f43-11e9-803e-005056a7646a" -H "accept: application/hal+json" -d '{
"service_policy": "default-management" }'
{
}
```

---

## Deleting IP interfaces

You can use the IP interfaces DELETE API to delete an IP interface in the cluster.

---

### Example

#### Deleting an IP Interface

The following DELETE request deletes a network IP interface.

```
# The API:
/api/network/ip/interfaces/{uuid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/network/ip/interfaces/80d271c9-1f43-11e9-803e-005056a7646a"
{
}
```

---

## Retrieve all IP interface details

GET /network/ip/interfaces

Retrieves the details of all IP interfaces.

### Related ONTAP Commands

- network interface show

## Learn more

- [DOC /network/ip/interfaces](#)

## Parameters

Name	Type	In	Required	Description
ip.netmask	string	query	False	Filter by ip.netmask
ip.address	string	query	False	Filter by ip.address
ip.family	string	query	False	Filter by ip.family
scope	string	query	False	Filter by scope
vip	boolean	query	False	Filter by vip
service_policy.name	string	query	False	Filter by service_policy.name
service_policy.uuid	string	query	False	Filter by service_policy.uuid
state	string	query	False	Filter by state
name	string	query	False	Filter by name
uuid	string	query	False	Filter by uuid
enabled	boolean	query	False	Filter by enabled
location.failover	string	query	False	Filter by location.failover
location.port.name	string	query	False	Filter by location.port.name
location.port.node.name	string	query	False	Filter by location.port.node.name
location.port.uuid	string	query	False	Filter by location.port.uuid

Name	Type	In	Required	Description
location.home_node.uuid	string	query	False	Filter by location.home_node.uuid
location.home_node.name	string	query	False	Filter by location.home_node.name
location.home_port.name	string	query	False	Filter by location.home_port.name
location.home_port.node.name	string	query	False	Filter by location.home_port.node.name
location.home_port.uuid	string	query	False	Filter by location.home_port.uuid
location.auto_revert	boolean	query	False	Filter by location.auto_revert
location.node.uuid	string	query	False	Filter by location.node.uuid
location.node.name	string	query	False	Filter by location.node.name
location.is_home	boolean	query	False	Filter by location.is_home
ipspace.uuid	string	query	False	Filter by ipspace.uuid
ipspace.name	string	query	False	Filter by ipspace.name
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
services	string	query	False	Filter by services
fields	array[string]	query	False	Specify the fields to return.

Name	Type	In	Required	Description
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned.
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	
records	array[ <a href="#">ip_interface</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "ip": {
        "address": "10.10.10.7",
        "family": "string",
        "netmask": "24"
      },
      "ipspace": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "exchange",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "location": {
        "broadcast_domain": {
          "_links": {
            "self": {
              "href": "/api/resourcelink"
            }
          },
          "name": "bd1",
          "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
        },
        "failover": "string",
        "home_node": {
          "_links": {
```

```
        "self": {
            "href": "/api/resourcelink"
        }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"home_port": {
    "_links": {
        "self": {
            "href": "/api/resourcelink"
        }
    },
    "name": "elb",
    "node": {
        "name": "node1"
    },
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"node": {
    "_links": {
        "self": {
            "href": "/api/resourcelink"
        }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"port": {
    "_links": {
        "self": {
            "href": "/api/resourcelink"
        }
    },
    "name": "elb",
    "node": {
        "name": "node1"
    },
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
},
"name": "dataLif1",
"scope": "string",
"service_policy": {
    "_links": {
        "self": {
```

```

        "href": "/api/resourcelink"
      }
    },
    "name": "default-intercluster",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "services": [
    "data_nfs"
  ],
  "state": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
]
}

```

## Error

Status: Default, Error

Name	Type	Description
error	error	



## Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
next	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

ip\_info

IP information

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, you must set the netmask length. The default value is 64. Output is always netmask length.

ipspace

Either the UUID or name must be supplied on POST for cluster-scoped objects.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

broadcast\_domain

Broadcast domain UUID along with a readable name.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	Name of the broadcast domain, scoped to its IPspace
uuid	string	Broadcast domain UUID

home\_node

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	
uuid	string	

node

Name	Type	Description
name	string	Name of node on which the port is located.

home\_port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	
node	<a href="#">node</a>	
uuid	string	

node

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	
uuid	string	

port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
node	<a href="#">node</a>	
uuid	string	

#### location

Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast\_domain can be specified alone or with home\_node.

Name	Type	Description
auto_revert	boolean	
broadcast_domain	<a href="#">broadcast_domain</a>	Broadcast domain UUID along with a readable name.
failover	string	Defines where an interface may failover.
home_node	<a href="#">home_node</a>	
home_port	<a href="#">home_port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.
is_home	boolean	
node	<a href="#">node</a>	
port	<a href="#">port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.

#### service\_policy

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

#### svm

Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

#### ip\_interface

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
enabled	boolean	The administrative state of the interface.
ip	<a href="#">ip_info</a>	IP information
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.
state	string	The operational state of the interface.

Name	Type	Description
svm	<a href="#">svm</a>	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Create a new cluster-scoped or SVM-scoped interface

POST /network/ip/interfaces

Creates a new Cluster-scoped or SVM-scoped interface.

### Required properties

- `name` - Name of the interface to create.
- `ip.address` - IP address for the interface.
- `ip.netmask` - IP subnet of the interface.
- `ipspace.name` or `ipspace.uuid`

- Required for Cluster-scoped interfaces.
- Optional for SVM-scoped interfaces.
- `svm.name` or `svm.uuid`
  - Required for an SVM-scoped interface.
  - Invalid for a Cluster-scoped interface.
- `location.home_port` or `location.home_node` or `location.broadcast_domain` - One of these properties must be set to a value to define where the interface will be located.

## Recommended property values

- `service_policy`
  - for SVM scoped interfaces
    - *default-data-files* for interfaces carrying file-oriented NAS data traffic
    - *default-data-blocks* for interfaces carrying block-oriented SAN data traffic
    - *default-management* for interfaces carrying SVM management requests
  - for Cluster scoped interfaces
    - *default-intercluster* for interfaces carrying cluster peering traffic
    - *default-management* for interfaces carrying system management requests
    - *default-route-announce* for interfaces carrying BGP peer connections

## Default property values

If not specified in POST, the following default property values are assigned:

- `scope`
  - *svm* if `svm` parameter is specified.
  - *cluster* if `svm` parameter is not specified
- `enabled` - *true*
- `location.auto_revert` - *true*
- `service_policy`
  - *default-data-files* if `scope` is `svm`
  - *default-management* if `scope` is `cluster` and `IPspace` is not `Cluster`
  - *default-cluster* if `scope` is `svm` and `IPspace` is `Cluster`
- `failover` - Selects the least restrictive failover policy supported by all the services in the service policy.

## Related ONTAP commands

- `network interface create`

## Learn more

- [DOC /network/ip/interfaces](#)

## Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned.

## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
enabled	boolean	The administrative state of the interface.
ip	<a href="#">ip_info</a>	IP information
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.



Name	Type	Description
state	string	The operational state of the interface.
svm	svm	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "ip": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "location": {
    "broadcast_domain": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "bd1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "failover": "string",
    "home_node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "home_port": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  }
}
```

```

    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"node": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "node1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"port": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
},
"name": "dataLif1",
"scope": "string",
"service_policy": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "default-intercluster",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"services": [
  "data_nfs"
],
"state": "string",
"svm": {

```

```

    "_links": {
      "self": {
        "href": "/api/resource/link"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}

```

## Response

Status: 201, Created

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
1376656	Cluster interfaces must be in the same subnet. Verify the address and netmask are set to the correct values.
1376963	Duplicate IP address.
1966138	The same IP address may not be used for both a mgmt interface and a gateway address.
1966140	An interface with the same name already exists.
1966987	The Vserver Broadcast-Domain Home-Node and Home-Port combination is not valid.
1967081	The specified SVM must exist in the specified IPspace.
1967082	The specified ipspace.name does not match the IPspace name of ipspace.uuid.
1967102	POST operation might have left configuration in an inconsistent state. Check the configuration.
1967106	The specified location.home_port.name does not match the specified port name of location.home_port.uuid.

<b>Error Code</b>	<b>Description</b>
1967107	The location.home_port.uuid specified is not valid.
1967108	The specified location.home_node.name does not match the node name of location.home_node.uuid.
1967109	The specified location.home_port.node.name does not match the node name of location.home_node.uuid.
1967110	The specified location.home_port.node.name does not match location.home_node.name.
1967111	Home node must be specified by at least one location.home_node, location.home_port, or location.broadcast_domain field.
1967112	The specified location.home_node.name does not match the node name of location.home_port.uuid.
1967120	The specified service_policy.name does not match the specified service policy name of service_policy.uuid.
1967121	Invalid service_policy.uuid specified.
1967122	The specified location.broadcast_domain.name does not match the specified broadcast domain name of location.broadcast_domain.uuid.
1967123	The specified IPspace does not match the IPspace name of location.broadcast_domain.uuid.
1967124	The location.broadcast_domain.uuid specified is not valid.
1967127	svm.uuid or svm.name must be provided if scope is "svm".
1967128	ipspace.uuid or ipspace.name must be provided if scope is "cluster".
1967129	The specified location.home_port.uuid is not valid.
1967130	The specified location.home_port.name is not valid.
1967131	The specified location.home_port.uuid and location.home_port.name are not valid.
1967135	The specified location.broadcast_domain.uuid is not valid.
1967136	The specified location.broadcast_domain.name (and ipspace name) is not valid.
1967137	The specified location.broadcast_domain.uuid and location.broadcast_domain.name (and IPspace name) are not valid.
1967145	The specified location.failover is not valid.
1967146	The specified svm.name is not valid.

Error Code	Description
1967147	The specified svm.uuid is not valid.
1967153	No suitable port exists on location.home_node to host the interface.
1967154	Interfaces cannot be created on ports that are down. If a broadcast domain is specified, ensure that it contains at least one port that is operationally up.
1967381	Post VIP interfaces requires an effective cluster version of 9.7 or later.
1967382	VIP interfaces only reside in SVM scope.
1967383	Neither location.home_port.uuid or location.home_port.name should be set with vip=true.
1967384	Failed to create VIP interface because the home node does not have active BGP sessions to support Virtual IP (VIP) traffic.
1967385	VIP interfaces with an IPv4 address must use ip.netmask=32. VIP interfaces with an IPv6 address must use ip.netmask=128.
1967387	The specified IP address is in use by a subnet in this IPspace.
5373966	An iSCSI interface cannot be created in an SVM configured for NVMe.
53281065	The service_policy does not exist in the SVM.

Name	Type	Description
error	error	

## Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

ip\_info

IP information

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, you must set the netmask length. The default value is 64. Output is always netmask length.

ipspace

Either the UUID or name must be supplied on POST for cluster-scoped objects.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

broadcast\_domain

Broadcast domain UUID along with a readable name.

Name	Type	Description
_links	<a href="#">_links</a>	



Name	Type	Description
name	string	Name of the broadcast domain, scoped to its IPspace
uuid	string	Broadcast domain UUID

home\_node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

node

Name	Type	Description
name	string	Name of node on which the port is located.

home\_port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
node	<a href="#">node</a>	
uuid	string	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	
node	<a href="#">node</a>	
uuid	string	

#### location

Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast\_domain can be specified alone or with home\_node.

Name	Type	Description
auto_revert	boolean	
broadcast_domain	<a href="#">broadcast_domain</a>	Broadcast domain UUID along with a readable name.
failover	string	Defines where an interface may failover.
home_node	<a href="#">home_node</a>	
home_port	<a href="#">home_port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.
is_home	boolean	
node	<a href="#">node</a>	
port	<a href="#">port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.

#### service\_policy

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	
uuid	string	

#### svm

Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

#### ip\_interface

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
enabled	boolean	The administrative state of the interface.
ip	<a href="#">ip_info</a>	IP information
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.
state	string	The operational state of the interface.
svm	<a href="#">svm</a>	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

Name	Type	Description
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Delete an IP interface

```
DELETE /network/ip/interfaces/{uuid}
```

Deletes an IP interface.

### Related ONTAP commands

- `network interface delete`

### Learn more

- [DOC /network/ip/interfaces](#)

### Parameters

Name	Type	In	Required	Description
uuid	string	path	True	

## Response

Status: 200, Ok

## Retrieve details for an IP interface

GET /network/ip/interfaces/{uuid}

Retrieves details for a specific IP interface.

### Related ONTAP commands

- `network interface show`

### Learn more

- [DOC /network/ip/interfaces](#)

### Parameters

Name	Type	In	Required	Description
uuid	string	path	True	IP interface UUID
fields	array[string]	query	False	Specify the fields to return.

## Response

Status: 200, Ok

Name	Type	Description
<code>_links</code>	<a href="#">_links</a>	
<code>enabled</code>	boolean	The administrative state of the interface.
<code>ip</code>	<a href="#">ip_info</a>	IP information

Name	Type	Description
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.
state	string	The operational state of the interface.
svm	<a href="#">svm</a>	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

## Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "ip": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "location": {
    "broadcast_domain": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "bd1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "failover": "string",
    "home_node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "home_port": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  }
}
```

```

    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"node": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "node1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"port": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
},
"name": "dataLif1",
"scope": "string",
"service_policy": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "default-intercluster",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"services": [
  "data_nfs"
],
"state": "string",
"svm": {

```



```
"_links": {
  "self": {
    "href": "/api/resourcelink"
  }
},
"name": "svm1",
"uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
},
"uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
```

## Error

Status: Default, Error

Name	Type	Description
error	<a href="#">error</a>	

## Example error

```
{
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

ip\_info

IP information

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, you must set the netmask length. The default value is 64. Output is always netmask length.

ipspace

Either the UUID or name must be supplied on POST for cluster-scoped objects.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

broadcast\_domain

Broadcast domain UUID along with a readable name.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	Name of the broadcast domain, scoped to its IPspace
uuid	string	Broadcast domain UUID

home\_node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

node

Name	Type	Description
name	string	Name of node on which the port is located.

home\_port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
node	<a href="#">node</a>	
uuid	string	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	
node	<a href="#">node</a>	
uuid	string	

#### location

Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast\_domain can be specified alone or with home\_node.

Name	Type	Description
auto_revert	boolean	
broadcast_domain	<a href="#">broadcast_domain</a>	Broadcast domain UUID along with a readable name.
failover	string	Defines where an interface may failover.
home_node	<a href="#">home_node</a>	
home_port	<a href="#">home_port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.
is_home	boolean	
node	<a href="#">node</a>	
port	<a href="#">port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.

#### service\_policy

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	
uuid	string	

#### svm

Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Update an IP interface

PATCH /network/ip/interfaces/{uuid}

Updates an IP interface.

### Related ONTAP commands

- `network interface migrate`
- `network interface modify`
- `network interface rename`
- `network interface revert`

### Learn more

- [DOC /network/ip/interfaces](#)

## Parameters

Name	Type	In	Required	Description
uuid	string	path	True	IP interface UUID

## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
enabled	boolean	The administrative state of the interface.
ip	<a href="#">ip_info</a>	IP information
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.
state	string	The operational state of the interface.
svm	<a href="#">svm</a>	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

<b>Name</b>	<b>Type</b>	<b>Description</b>
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "ip": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "location": {
    "broadcast_domain": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "bd1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "failover": "string",
    "home_node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "home_port": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      }
    }
  }
}
```



```

    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"node": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "node1",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"port": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "e1b",
  "node": {
    "name": "node1"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
},
"name": "dataLif1",
"scope": "string",
"service_policy": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "default-intercluster",
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
},
"services": [
  "data_nfs"
],
"state": "string",
"svm": {

```

```

    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}

```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
1376963	Duplicate IP address.
1966138	The same IP address may not be used for both a mgmt interface and a gateway address.
1967106	The specified location.home_port.name does not match the specified port name of location.home_port.uuid.
1967107	The specified location.home_port.uuid is not valid.
1967111	A home node must be specified by at least one location.home_node, location.home_port, or location.broadcast_domain field.
1967113	The specified location.port.name does not match the port name of location.port.uuid.
1967114	The specified location.port.uuid is not valid.
1967115	The specified location.node.name does not match the node name of location.node.uuid.
1967116	The specified location.port.node.name does not match the node name of location.node.uuid.

Error Code	Description
1967117	The specified location.port.node.name does not match location.node.name.
1967118	A node must be specified by at least one location.node or location.port field.
1967119	The specified location.node.name does not match the node name of location.port.uuid.
1967120	The specified service_policy.name does not match the specified service policy name of service_policy.uuid.
1967121	The specified service_policy.uuid is not valid.
1967125	You cannot patch the "location.node" or "location.port" fields to migrate interfaces using the iSCSI data protocol. Instead perform the following PATCH operations on the interface: set the "enabled" field to "false"; change one or more "location.home_port" fields to migrate the interface; and then set the "enabled" field to "true".
1967129	The specified location.home_port.uuid is not valid.
1967130	The specified location.home_port.name is not valid.
1967131	The specified location.home_port.uuid and location.home_port.name are not valid.
1967132	The specified location.port.uuid is not valid.
1967133	The specified location.port.name is not valid.
1967134	The specified location.port.uuid and location.port.name are not valid.
1967138	Cannot patch port for a VIP interface. The specified parameter location.port.uuid is not valid.
1967139	Cannot patch port for a VIP interface. The specified parameter location.port.name is not valid.
1967140	Cannot patch port for a VIP interface. The specified parameters location.port.uuid and location.port.name are not valid.
1967141	Cannot patch home_port for a VIP interface. The specified parameter location.home_port.uuid is not valid.
1967142	Cannot patch home_port for a VIP interface. The specified parameter location.home_port.name is not valid.
1967143	Cannot patch home_port for a VIP interface. The specified parameters location.home_port.uuid and location.home_port.name are not valid.
1967145	The specified location.failover is not valid.

Error Code	Description
1967153	No suitable port exists on location.home_node to host the interface.
1967380	Cannot patch home_port for a VIP interface. The specified parameter location.home_port.node.name is not valid. Consider using location.home_node.name instead.
1967386	Cannot patch port for a VIP interface. The specified parameter location.port.node.name is not valid. Consider using location.node.name instead.
1967387	The specified IP address is in use by a subnet in this IPspace.
53281065	The service_policy does not exist in the SVM.

## Definitions

## See Definitions

href

Name	Type	Description
href	string	

\_links

Name	Type	Description
self	<a href="#">href</a>	

ip\_info

IP information

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, you must set the netmask length. The default value is 64. Output is always netmask length.

ipspace

Either the UUID or name must be supplied on POST for cluster-scoped objects.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

broadcast\_domain

Broadcast domain UUID along with a readable name.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	Name of the broadcast domain, scoped to its IPspace
uuid	string	Broadcast domain UUID

home\_node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

node

Name	Type	Description
name	string	Name of node on which the port is located.

home\_port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
node	<a href="#">node</a>	
uuid	string	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

port

Port UUID along with readable names. Either the UUID or both names may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	
node	<a href="#">node</a>	
uuid	string	

#### location

Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast\_domain can be specified alone or with home\_node.

Name	Type	Description
auto_revert	boolean	
broadcast_domain	<a href="#">broadcast_domain</a>	Broadcast domain UUID along with a readable name.
failover	string	Defines where an interface may failover.
home_node	<a href="#">home_node</a>	
home_port	<a href="#">home_port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.
is_home	boolean	
node	<a href="#">node</a>	
port	<a href="#">port</a>	Port UUID along with readable names. Either the UUID or both names may be supplied on input.

#### service\_policy

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

#### svm

Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

#### ip\_interface

Name	Type	Description
_links	<a href="#">_links</a>	
enabled	boolean	The administrative state of the interface.
ip	<a href="#">ip_info</a>	IP information
ipspace	<a href="#">ipspace</a>	Either the UUID or name must be supplied on POST for cluster-scoped objects.
location	<a href="#">location</a>	Current or home location can be modified. Specifying a port implies a node. Specifying a node allows an appropriate port to be automatically selected. Ports are not valid and not shown for VIP interfaces. For POST, broadcast_domain can be specified alone or with home_node.
name	string	Interface name
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
service_policy	<a href="#">service_policy</a>	
services	array[string]	The services associated with the interface.
state	string	The operational state of the interface.
svm	<a href="#">svm</a>	Applies only to SVM-scoped objects. Either the UUID or name must be supplied on POST.



<b>Name</b>	<b>Type</b>	<b>Description</b>
uuid	string	The UUID that uniquely identifies the interface.
vip	boolean	True for a VIP interface, whose location is announced via BGP.

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