

Inter Domain Link (IDL) Provision

- [Overview](#)
- [API Dependencies](#)
- [Functional Enhancements](#)
- [Inter-domain Link](#)
- [Create Inter-domain Link](#)
- [Prerequisites](#)
- [Abbreviation](#)
- [Reference](#)

Overview

- This adds the feature to create and delete inter-domain links from the UUI portal.
- [USECASEUI-414](#) - Getting issue details... STATUS

API Dependencies

Below are the API/Dependency projects for UUI.

| No | API | Path | Comments | Impacts |
|----|-----|---|---|----------------------------------|
| 1 | AAI | /api/aai-network/v14/network-resources | Fetching All domains and nodes | There is no change with the API. |
| 2 | AAI | /api/aai-query/v16?format=resource | Custom query for p-interfaces of a given type | There is no change with the API. |
| 3 | AAI | /api/aai-network/v14/pnfs/pnf/{pnfName} | Get pnf details by name | There is no change with the API. |
| 4 | AAI | /api/aai-network/v14/pnfs/pnf/{pnfName}/p-interfaces | get all p-interface under a pnf | There is no change with the API. |
| 5 | AAI | /api/aai-network/v14/logical-links/logical-link/{link-name} | get Logical Link by name | There is no change with the API. |
| 6 | AAI | /api/aai-network/v14/logical-links | get all logical Links | There is no change with the API. |
| 7 | AAI | /api/aai-network/v14/logical-links/logical-link/{linkName} | delete logical link | There is no change with the API. |

Functional Enhancements

Below are the functionalities that need to be added in UUI for Inter-domain link.

1. Inter-domain link
2. Create Inter-domain link
3. Delete Inter-domain link

Inter-domain Link

The inter-domain page is listed under "Network Topology" section as MDONS Network.

Use case ui

Home
Customer
Monitor
Services
Network Topology
CCVPN Network
MDONS Network

Inter-domain link Delete Link

*Link Name

Near End :

*Domain 1 Loading resource details...

*Node 1

*Interface 1

Far End :

*Domain 2

*Node 2

*Interface 2

Create Link

Create Inter-domain Link

All the form validations have been added along with constraints dictated by the use-case.

Once you have entered all the details click "Create Link" button to create the inter-domain Link.

Use case ui

Home
Customer
Monitor
Services
Network Topology
CCVPN Network
MDONS Network

Inter-domain link Delete Link

*Link Name

Near End :

*Domain 1

*Node 1

*Interface 1

Far End :

*Domain 2

*Node 2

*Interface 2

Create Link

Once you the link is created you get the following message,

Use case ui

Home
Customer
Monitor
Services
Network Topology
CCVPN Network
MDONS Network

Inter-domain link Delete Link

*Link Name

Near End :

*Domain 1

*Node 1

*Interface 1

Far End :

*Domain 2

*Node 2

*Interface 2

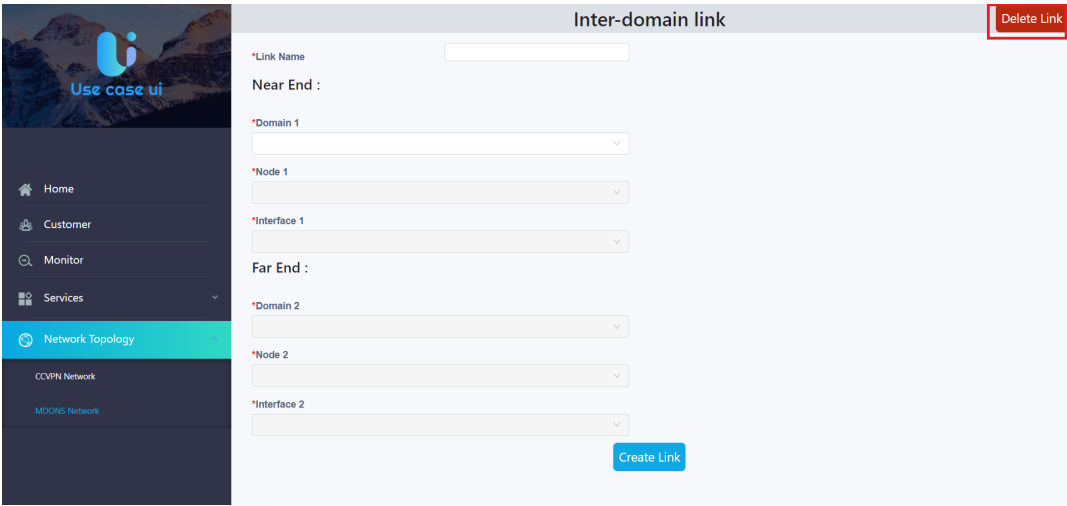
Create Link

Link Created With,
Name : test-Link
Resource version : 1583864956485

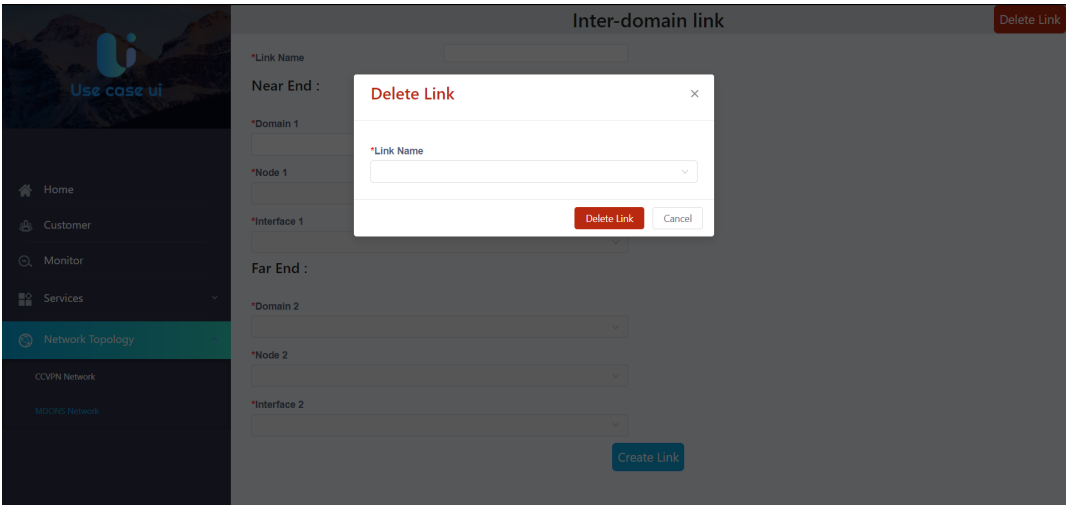
Delete Inter-domain Link

All the form validations have been added along with constraints dictated by the use-case.

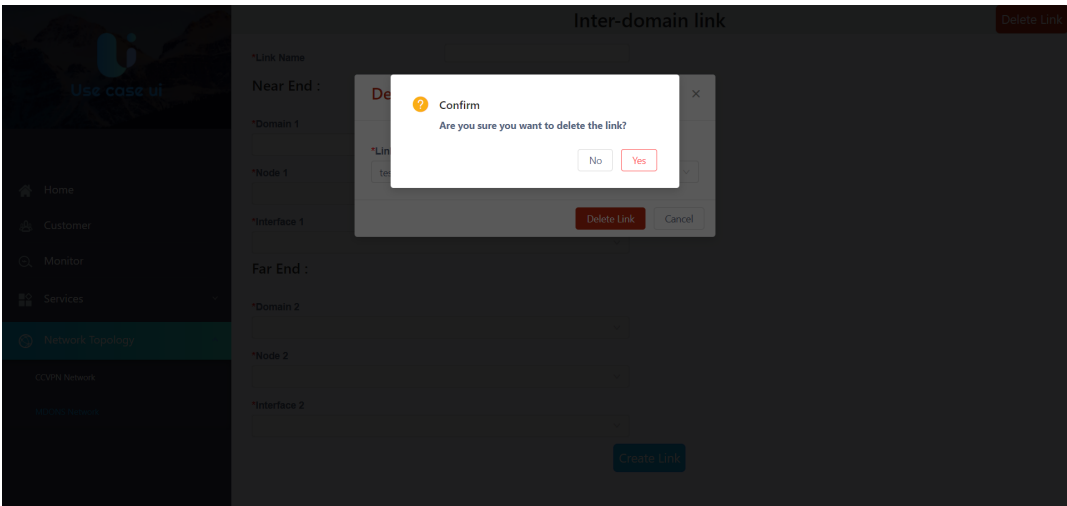
For deleting the link click the Delete link,



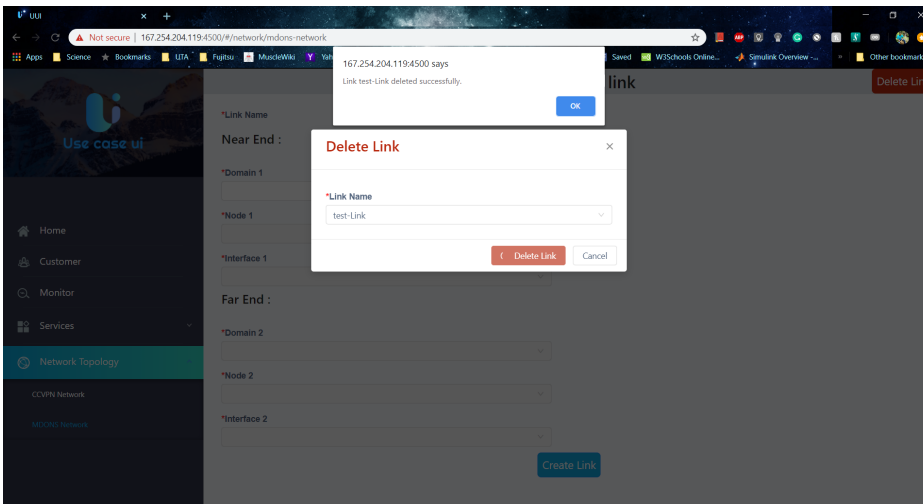
Once the delete link is clicked you get the following screen,



Once the link to be deleted is chosen and delete link is clicked, the following confirmation window appears,



Once you confirm, the link is deleted and the following screen appears,



Prerequisites

1. NNI's or ENNI's should be existing in AAI. They are loaded into AAI at topology discovery time.

Abbreviation

| Abbreviation | Expansion |
|--------------|---------------------------------------|
| Abbreviation | Expansion |
| ENNI | External Network to Network Interface |
| NNI | Network to Network Interface |
| UUI | Use-case UI |
| AAI | Active and Available Inventory |
| MDONS | Multi Domain Optical Network Service |

Reference

<https://wiki.onap.org/display/DW/Usecase+UI+Project>

<https://hg.ant.design/components>