Inter Domain Link (IDL) Provision

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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.

And 16"		Inter-o	domain link	Delete Link
	*Link Name			
Use case ui	Near End :			
	*Domain 1	Loading	resource details	
	*Node 1			
😭 Home	Note I			
الله Customer	*Interface 1			
🕤 Monitor	Far End :			
Services 🗸	*Domain 2			
🕥 Network Topology				
CCVPN Network	*Node 2			
	*Interface 2			
		_	reate Link	
		<u> </u>		

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.

-	And 15		Inter-de	m
Sign of		*Link Name	test-Link	
	Use case ui	Near End :		
	110 San Street S	*Domain 1		
		Virtuora-TAPI1-TAPI-754a91dc-dcd1-3530-8e	95-a4880c298a1f	
		*Node 1		
*	Home	FW950074SDN-16		
	Customer	*Interface 1		
0	Monitor	(1-2-1)		
	Monitor	Far End :		
	Services ~	*Domain 2		
0	Network Topology	Virtuora-TAPI2-TAPI-754a91dc-dcd1-3530-8e	95-a4880c298a1f	
	network ropology	*Node 2		
	VPN Network	FWCDS65SIM-3		
	DONS Network	*Interface 2		
		(1-2-17)		~
			Cre	ate Lini

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

₽* uui × +		State State				- a ×
🗧 🗢 C 🔺 Not secure 167.254.204.119.4500/#/network/mdons-network						S 🚥 🎆 💿
🛗 Apps 📕 Science ★ Bookmarks 📕 UTA 📕	Fujitsu 📑 MuscleWiki Y Ya	167.254.204.119:4500 says		Saved 🔤 W3Schools Online	📣 Simulink Overview	Other bookmarks
Use cose ui	*Link Name Near End :	Link Created With, Name : test-Link Resource version : 1583864956485		link		Delete Link
	*Domain 1 Virtuora-TAPI1-TAPI-754a9	ldc-dcd1-3530-8e95-a4880c298a1f	ok V			
🖀 Home	*Node 1 FW950074SDN-16					
A Customer	Interface 1					
	(1-2-1)					
Monitor Monitor						
Services 🗸	*Domain 2					
Network Topology	Virtuora-TAPI2-TAPI-754a9	1dc-dcd1-3530-8e95-a4880c298a1f				
(*Node 2					
CCVPN Network	FWCDS65SIM-3					
MDONS Network						
	(1-2-17)					
			🧳 Create Link			

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,

And 15		Inter-c	domain link	Delete Link
	*Link Name			
Use case ui	Near End :			
	*Domain 1			
🕋 Home	*Node 1			
A nome				
🚇 Customer	*Interface 1			
⊙ Monitor	Far End :			
Services 🗸	*Domain 2			
🕥 Network Topology				
CCVPN Network	*Node 2			
MDONS Network	*Interface 2			
		C	reate Link	

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

States 15			Inter-domain link	Delete Link
Contraction of the second	*Link Name			
Use case ui	Near End :	Delete Link	×	
	*Domain 1			
		*Link Name		
🔺 Home	*Node 1		×	
島、Customer	*Interface 1		Delete Link Cancel	
🕤 Monitor	Far End :			
♦ Services ×	*Domain 2			
S Network Topology				
CCVPN Network	*Node 2			
MDONS Network	*Interface 2			
			Create Link	

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

Stores 15		
Use case ui	Near End : De 🕜 Confirm	
	Domain 1 Are you sure you want to delete the link?	
🐣 Home	Node 1 Se	
	Delete link Cancel	
🐣 Customer	Tinterface 1 Cancel	
🖳 Monitor		
Services		
S Network Topology		
CCVPN Network		
MDONS Network		

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

V* uu × +						- a x
← → C ▲ Not secure 167.254.204.119:45				☆	😬 🛛 🗣 😋 👁 🔳	S 📾 🦓 📀
🛗 Apps 📕 Science ★ Bookmarks 🛄 UTA 🛄	Fujitsu 📑 MuscleWiki Y	167.254.204.119:4500 says		Saved 🔜 W3Schools Online	📣 Simulink Överview	Other bookmarks
Charles 18		Link test-Link deleted successfully.		link		Delete Link
	*Link Name		ок			
Use case ui	Near End :	Delete Link		×		
A CONTRACTOR	*Domain 1	Delete Link				
	*Node 1	*Link Name				
🔿 Home	Node 1	test-Link				
🙈 Customer	Interface 1		(Delete Link Cance			
🔍 Monitor	Far End :					
Services V	*Domain 2					
🔘 Network Topology						
() ······	*Node 2					
CCVPN Network						
MDONS Network	*Interface 2					
			Create Link			

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://ng.ant.design/components