NetworkLife

Cisco ACI – Fabric Access Policies



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	Standalone Server	Configuration	Steps		vPC	
(1)	Localisation: Fabric > Access Policies > Pools > Vlan	SPINE	SPINE		Configure VLAN Pool Localisation : Fabric > Access Policies > Pools > Vlan	
	Name: Bare metal.VLANPool		vPC domain-id	-	Reuse Bare metal.VLANPo ol	
\bigcirc	Configure Physical Domain	LEAF 101	EAF 102	2	Configure Physical Domain Localisation : Fabric > Access Policies > Physical and External Domains > Physical Domains	
G	External Domains > Physical Domains	vlan-12			Reuse Servers.PhysDom	
	Name: Servers.PhysDom Vlan Pool: Baremetal.VLANPool AEP: <empty></empty>			3	Configure AEP Localisation: Fabric > Access Policies > Policies > Global > Attachable Access Entity Profiless	
3	Configure AEP Localisation: Fabric > Access Policies > Policies > Global	Server	Server		Reuse Bare metal.AEP	
Ŭ	> Attachable Access Entity Profiless Name: Bare metal.AEP Domain: Servers.PhysDom Interface Policy Group: sempty:		\$	4	Configure Interface Policies Localsation : Fabric > Access Policies > Policies > Interface Reuse previously created objects	
4	Configure Interface Policies Localisation: Fabric > Access Policies > Policies >			5	Configure Interface Policy Groups Localisation: Fabric > Access Policies > Interface > Leaf Interface > Policy Groups > VPC Interfaces	
	Create all ne cessary objects. Name: <feature>-<status Example: cdp-on, lldp-off</status </feature>				Name: VPC10-SERVER1.VPCIPG Link: de fault (10G) STP: STP-BPDU-Guard-on PFC: PFC-auto LACP: LACP-ac five	
5	Configure Interface Policy Groups Localisation : Fabric > Access Policies > Interface > Leaf Interface > Policy Groups > Leaf Access Port	Don't t	forget to vour EPG	6	Configure Interface Profiles Localisation.: Fabric > Access Policies > Interface > Leaf Interface > Profiles	
	Name: Baremetal.APIPG	from the Tenant tab when the Fabric Poliy is ready !			Name: Leaf101-LeafProf - Access Port Selector: Eth1.02 - Access Block Port: 1/2 - Interface Policy Group: VPC10-SERVER1.VPCIPG	
6	Configure Interface Profiles Localisation: Fabric > Access Policies > Interface > Leaf Interface > Profiles				Name: Leaf102-LeafProf - Access Port Selector: Eth1.02 - Access Block Port: 1/2 - Interface Policy Group: VPC10-SERVER1.VPCIPG	
	Name: Leaf101-LeafProf				Switch to Tenant tab	
	- Access For Selector Fin1.01 - Access Block Port: 1/1 - Interface Policy Group: Bare metal.APIPG	9		Deploy the EPG Localisation : Tenant > Application Profiles > MyAP > Application EPG > MyEPG		
7	Configure Switch Policy Groups Localisation: Fabric > Access Policies > Switches > Leaf Switches > Policy Groups		click on a Domains » - Click (Deploy to Physical Domain » - Choose Servers PhysDom			
	Name: DefaultLeaf-SPG Leave all policies to Default			2) Right (click on « Static Port »	
8	Configure Switch Profiles Localisation: Fabric > Access Policies > Switches > Leaf Switches > Profiles			created	- Select (Virtual Port Channel) - Specify the ((path)) by selecting the previously created object VPC10-SERVER1.VPCIPG - Define the encapsulation and select Mode Trunk Submit you're dong 1	
	Name: Leaf101-SwitchProf Leaf Selector					
	Block: 101 Policy Group: DefaultLeaf-SPG	Best Practices				
	Associated Interface Selector Profiles: Leaf101-LeafProf		Reuse wheneve One object per	r possible port polic	y (lacp-on, lacp-off, lldp-on, lldp-offetc.),	
	Switch to Tenant tab	Policies	can be scripted for reuse. Naming must clearly describe the setting. Create switch profile for each leaf individually Create 1 port-block per interface – more granular for later potential modification		ribe the setting.	
9	Deploy the EPG Localisation : Tenant > Application Profiles > MyAP > Application EPG > MyEPG					
	1) Right click on « Domains »		1 Physical Doma	ain per Te	nant for Baremetals	
	- Click « Deploy to Physical Domain» - Choose Servers.PhysDom	Domains	1 Physical Doma	cal Domain per Tenant for External Connectivity		
	2) Right click on « Static Port» - click « Deploy static EPG on PC, VPC or interface - Select « Port» Chapter the scient last and a grad interface	domain can l servers are c		shared ac created ar nected	coross multiple Tenants, a single VMM nd associated with all leaf ports where ESXi	
	- Specify the port encapsulation with a VLAN id corresponding to the VLANs allowed in the VLAN Pool.		Multiple domain sake.	ns can be	associated to a single AEP for simplicity's	
		AEPs	There are some configured to en VLAN pools, or the fabric.	cases when able the to limit the	ere multiple AEPs may need to be infrastructure VLAN, such as overlapping e scope of the presence of VLANs across	