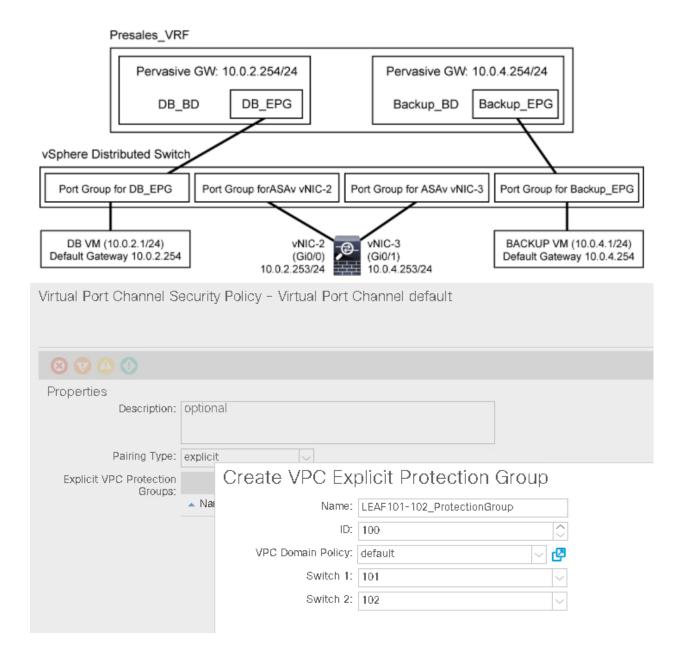
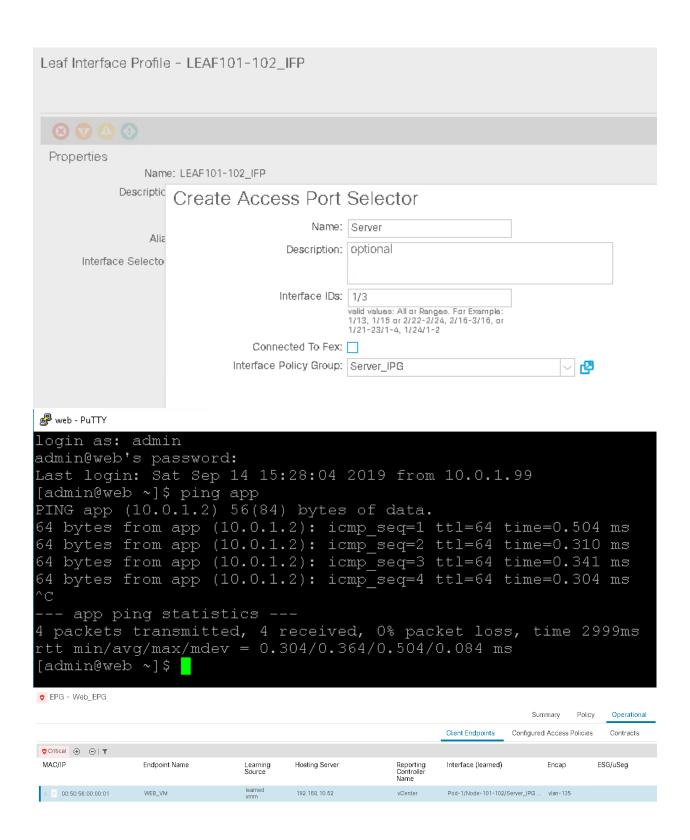
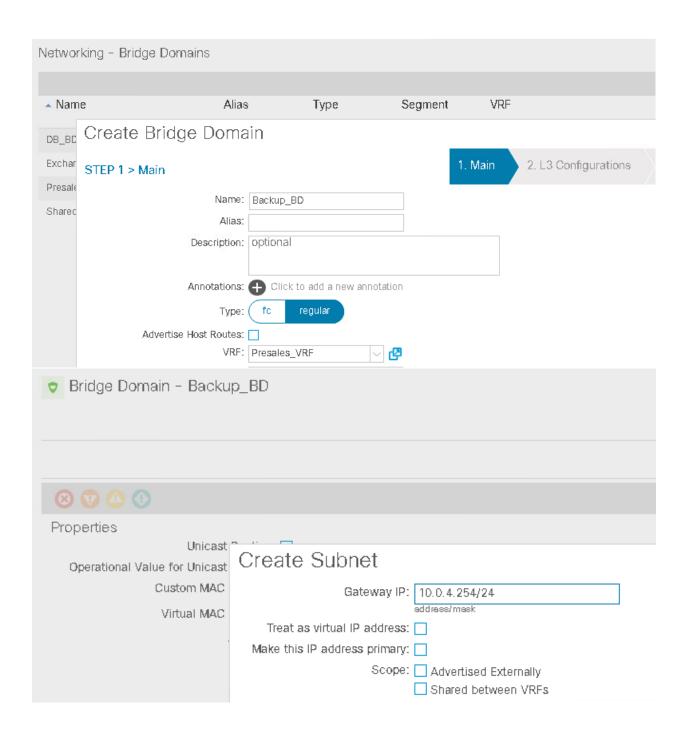


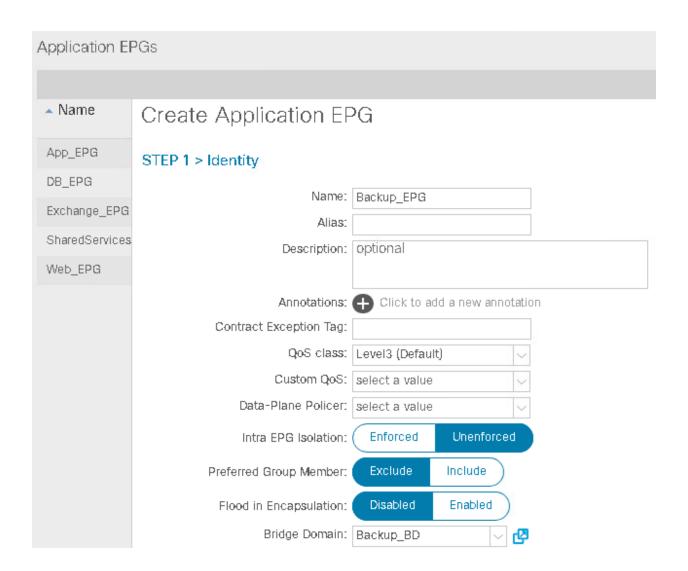
```
uerCLI Z:\PowerCLI> .\3VMs-PopulateVDS.ps1
Security warning
Run only scripts that you trust. While scripts from the internet can be useful, this script can potentially harm your computer. If you trust this script, use the Unblock-File cmdlet to allow the script to run without this warning message. Do you want to run Z:\PowerCLI\3VMs-PopulateVDS.ps1?

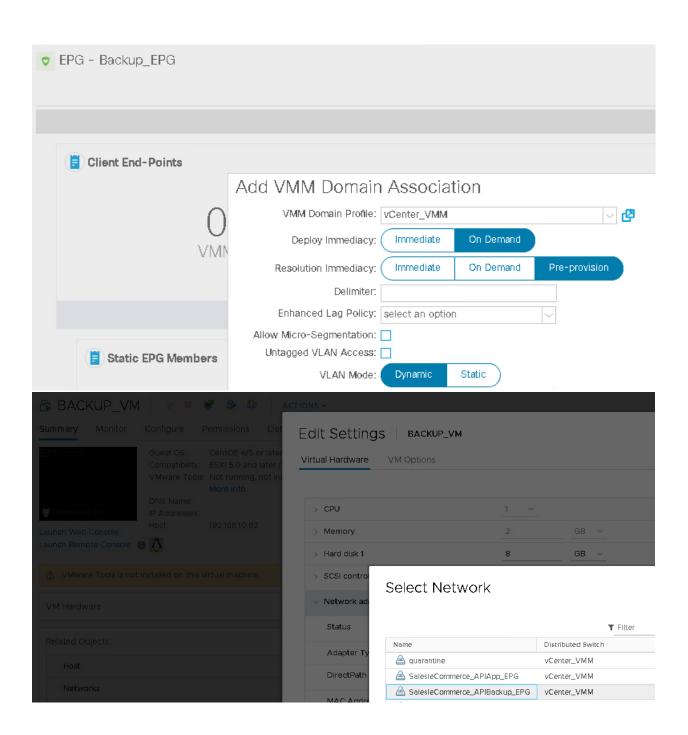
[D] Do not run [R] Run once [S] Suspend [?] Help (default is "D"): r
WARNING: There were one or more problems with the server certificate for the server vcenter:443:
   The X509 chain could not be built up to the root certificate.
   The certificate's CN name does not match the passed value.
  ertificate: [Subject]
C=US, CN=192.168.10.50
   OU=VMware Engineering, O=vcenter.dc.local, S=California, C=US, DC=local, DC=dc, CN=CA
  Serial Number]
00D2BC87A5FE089450
 Not Before]
7/27/2021 2:31:48 PM
 Not After]
7/28/2023 2:31:48 AM
 [Thumbprint]
F57DA2DDEDC722DB86E2510C162EDE458CF9E835
  he server certificate is not valid.
WARNING: THE DEFAULT BEHAVIOR UPON INVALID SERVER CERTIFICATE WILL CHANGE IN A FUTURE RELEASE. To ensure scripts are
not affected by the change, use Set-PowerCLIConfiguration to set a value for the InvalidCertificateAction option.
Name
                                                          Port User
                                                                    DC.LOCAL\Administrator
vcenter
Adding 192.168.10.62 to vCenter_VMM
Adding 192.108.10.02 to VCenter_VMM
Adding wmnic4/vmnic5 to vCenter_VMM
Assigning WEB_VM to Sales|eCommerce_AP|Web_EPG
Assigning APP_VM to Sales|eCommerce_AP|App_EPG
Assigning DB_VM to Sales|eCommerce_AP|DB_EPG
```













input queue (blocks free curr/low): hardware (0/0)

Interface GigabitEthernet0/1 "Backup", is up, line protocol is up

Input flow control is unsupported, output flow control is unsupported

Auto-Duplex (Full-duplex), Auto-Speed (1000 Mbps)

1 minute input rate 0 pkts/sec, 10 bytes/sec 1 minute output rate 0 pkts/sec, 0 bytes/sec

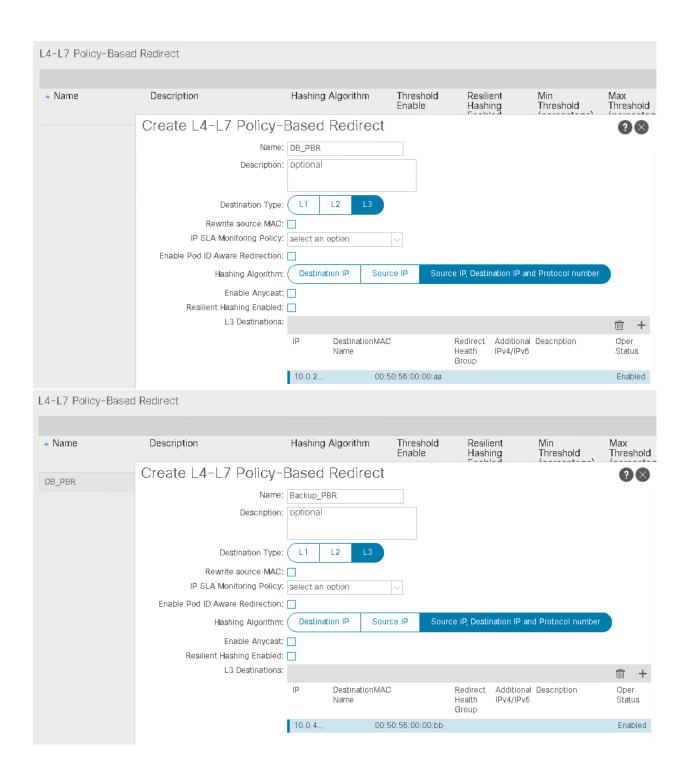
Hardware is net_e1000_em, BW 1000 Mbps, DLY 10 usec

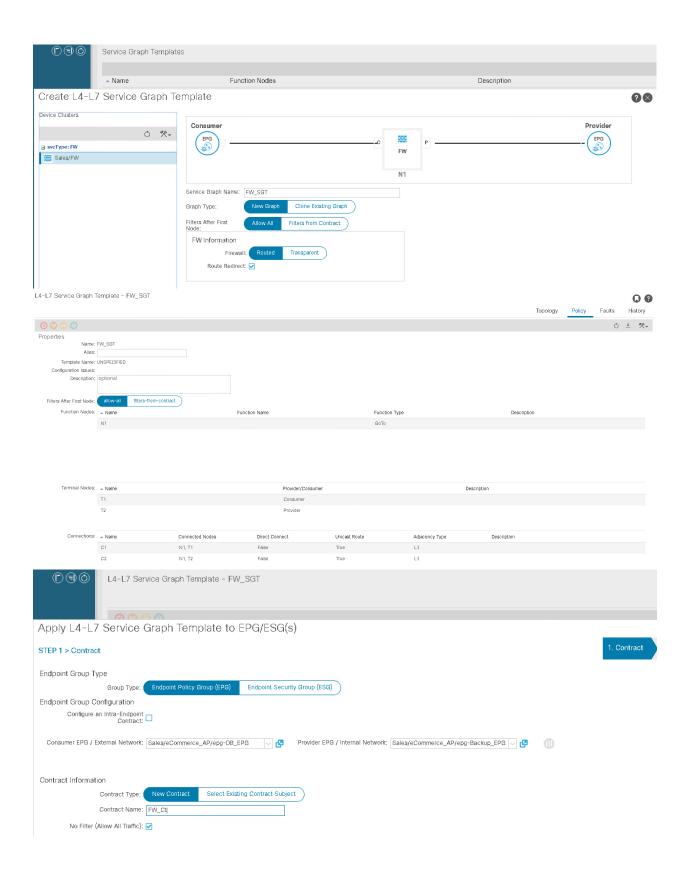
MAC address 0050.5600.00bb, MTU 1500

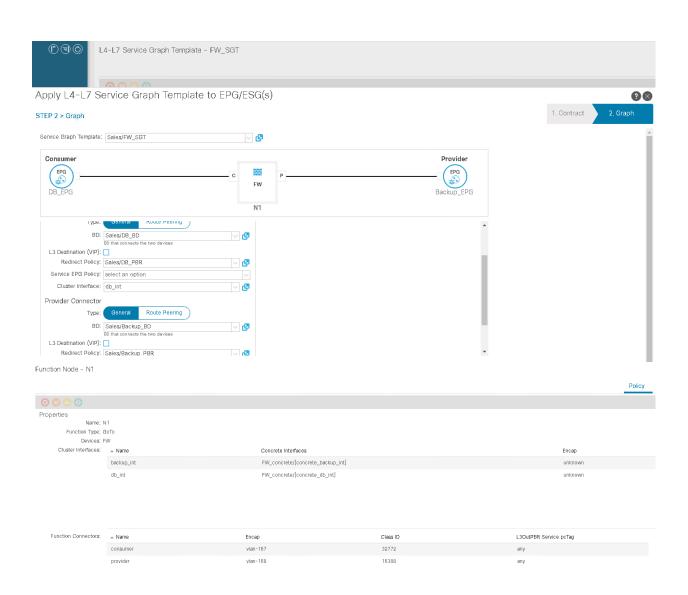
795 packets input, 39830 bytes 16 packets output, 448 bytes

59 packets dropped

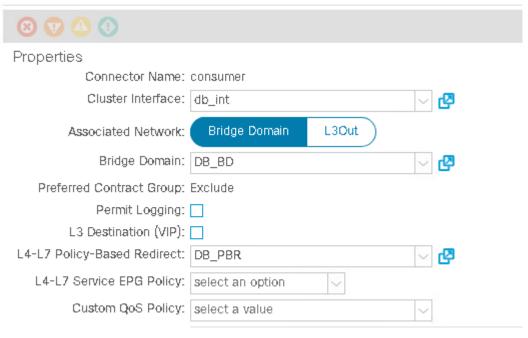
ciscoasa# show int gig0/1



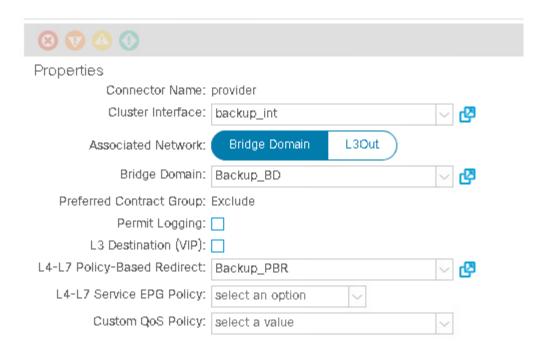


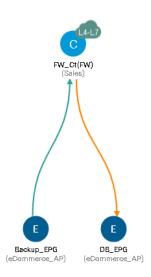


Logical Interface Context - consumer



Logical Interface Context - provider

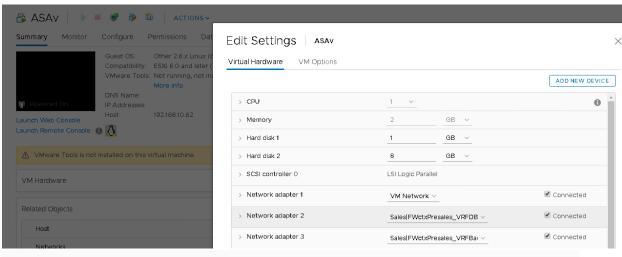


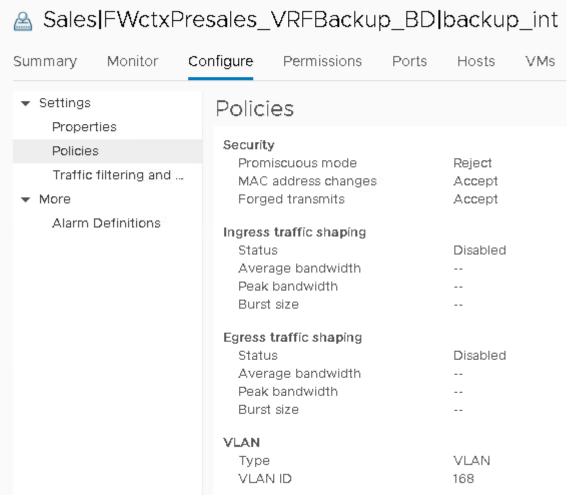


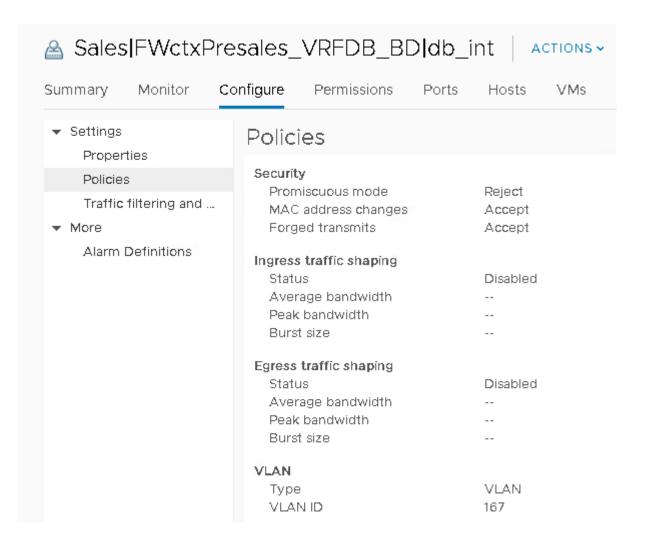
Contract Subject - Subject













Local Operational State: Up

Configured Access VLAN: vlan-135

Configured Trunk VLANs: 100,134-136,167-168 Configured VLANs: 100,134-136,167-168

Up VLANs: 100,134-136,167-168

Suspended VLANs:

Peer Configured VLANs: 100,134-136,167-168 Peer Up VLANs: 100,134-136,167-168

Remote Operational State: Up

```
vian-167
vian-168
unl/th-Sales/LDevinst-[unl/th-Sales/IDevip-FW]-ctx-Presales_VRF/G-FWctxPresales_VRF-N-DB_BD-C-db_int_2 unl/th-Sales/LDevinst-[unl/th-Sales/LDevinst-[unl/th-Sales_VRF-N-Presales_VRF-N-Backup_BD-C-backup_int_2 ciscoasa# show access-list access-list cached ACL log flows: total 0, denied 0 (deny-flow-max 4096)
alert-interval 300
access-list web_ssh; 3 elements; name hash: 0x2a55cdc7
access-list web_ssh line 1 extended permit tcp any any eq ssh (hitcnt=1) 0x5bed985e
access-list web_ssh line 2 extended permit tcp any any eq www (hitcnt=1) 0x63e7e8c2
access-list web_ssh line 3 extended permit tcp any any eq https (hitcnt=1) 0x91145424
ciscoasa# show conn
2 in use, 3 most used

TCP DB 10_0.2.1:54228 Backup 10.0.4.1:22, idle 0:00:07, bytes 5046, flags UIOB
```

leaf-a# show vlan id 11 ext										
VLAN Name			ap 	Ports						
11 Sales:FWctxPresales_VRF:db_int: leaf-a# show vlan id 12 ext			m-102	Eth1/3, Po2						
VLAN Name			ap	Ports						
12 Sales: FWctxPresales_VR	i vla	n-137	Eth1/3, Po2							
leaf-a# vsh lc -c "show syst	em intern	al el	tmc info vlan	11" egre	p sclass					
sclass:	32773	:::		ope:	2654208					
sclass:	32773	:::	sqlabel:		15					
sclassprio:	0	:::								
sclassirnen:	0	:::		0						
sclass:	32773									
leaf-a# vsh lc -c "show system internal eltmc info vlan 12" egrep sclass										
sclass:	32774	:::		ope:	2654208					
sclass:	32774	:::	sqlabel:		15					
sclassprio:	0	:::	floodmetptr:		2					
sclassirnen:	0	:::								
sclass:	32774		11							
leaf-af show zoning-rule scope 2654208										
+++			Name		++ Priority					
4123 0 16386 implicit uni-dir 4122 26 49154 11 uni-dir 4102 26 49154 9 uni-dir 4098 49154 26 10 uni-dir 4124 49154 26 12 uni-dir 4101 49154 26 12 uni-dir 4101 49154 16387 default bi-dir 4143 32774 16387 default uni-dir 4142 32773 49154 default uni-dir 4143 16387 49154 default uni-dir-ig	enabled enabled enabled enabled enabled enabled enabled	2654208 2654208 2654208 2654208 2654208 2654208 2654208	Sales:FileServices_Ct Sales:FileServices_Ct Sales:FileServices_Ct Sales:FileServices_Ct	permit permit permit permit permit remit redir(destgrp-9) permit permit redir(destgrp-10)	any dest any(16) fully_qual(7) fully_qual(7) fully_qual(7) fully_qual(7) src_dst any(9) src_dst_any(9) src_dst_any(9) src_dst_any(9)					

```
leaf-a# show system internal epm endpoint ip 10.0.2.253
MAC : 0050.5600.00aa ::: Num IPs : 1
IP# 0 : 10.0.2.253 ::: IP# 0 flags : ::: 13-sw-hit: No
Vlan id : 11 ::: Vlan vnid : 8194 ::: VRF name : Sales: Presales VRF
BD wnid : 16580486 ::: VRF vnid : 2654208
Phy If: 0x16000001 ::: Tunnel If: 0
Interface : port-channel2
Flags: 0x80004c05 ::: sclass: 32773 ::: Ref count: 5
EP Create Timestamp: 02/24/2022 07:08:19.382974
EP Update Timestamp: 02/24/2022 07:23:43.778625
EP Flags : local|vPC|IP|MAC|sclass|timer|
::::
leaf-a# show system internal epm endpoint ip 10.0.4.253
MAC : 0050.5600.00bb ::: Num IPs : 1
IP# 0 : 10.0.4.253 ::: IP# 0 flags : ::: 13-sw-hit: No
Vlan id : 12 ::: Vlan vnid : 8229 ::: VRF name : Sales: Presales VRF
BD vnid : 15859683 ::: VRF vnid : 2654208
Phy If : 0x16000001 ::: Tunnel If : 0
Interface: port-channel2
Flags: 0x80004c05::: sclass: 32774::: Ref count: 5
EP Create Timestamp: 02/24/2022 07:08:32.382504 EP Update Timestamp: 02/24/2022 07:24:13.782101
EP Flags : local|vPC|IP|MAC|sclass|timer|
::::
eaf-a# show service redir info grou
 ovezno
L: Threshold(Low) | TH: Threshold(High) | HP: HashProfile | HG: HealthGrp | BAC: Backup-Dest | TRA: Tracking | RES: Resiliency
                                                                            BAC operSt operStQual
N enabled no-oper-grp
 EGEND
L: Threshold(Low) | TH: Threshold(High) | HP: HashProfile | HG: HealthGrp | BAC: Backup-Dest | TRA: Tracking | RES: Resiliency
                                                       HG-name
                                                                             BAC operSt operStQual
 0 destgrp-10 dest-[10.0.4.253]-[vxlan-2654208]
eaf-a# show service redir info destination ip 10.0.2.253 vnid 2654208
 DOEAD
L: Threshold(Low) | TH: Threshold(High) | HP: HashProfile | HG: HealthGrp | BAC: Backup-Dest | TRA: Tracking | RES: Resiliency
 oenno
L: Threshold(Low) | TH: Threshold(High) | HP: HashProfile | HG: HealthGrp | BAC: Backup-Dest | TRA: Tracking | RES: Resiliency
```

```
peer-aged M - span
peer-attached-rl D - bounce-to-proxy
   shared-service
 ales:Presales VRF
 spine# show coop internal info repo ep key 16580486 00:50:56:00:00:AA | egrep "Tunnel|EP" | head -n 3
BP bd vnid : 16580486
EP mac: 00:50:56:00:00:AA
Tunnel nh: 10.0.48.67
spine# show coop internal info repo ep key 15859683 00:50:56:00:00:BB | egrep "Tunnel|EP" | head -n 3 EP bd vnid : 15859683
spine# acidiag fnvread | egrep 10.0.104.66
                             leaf-b
apic1# bash
admin@apicl:~> moquery -c vpcDom | egrep 'virtualIp|dn|#'
# vpc.Dom
dn
                                  : topology/pod-1/node-101/sys/vpc/inst/dom-100
virtualIp
                                  : 10.0.48.67/32
# vpc.Dom
                                  : topology/pod-1/node-102/sys/vpc/inst/dom-100
dn
virtualIp
                                  : 10.0.48.67/32
```

loof o# abou	gratam int		am 1:	1					
leaf-a# show	system int	ernai epm vi	an 1.	L					
++	+_			+	+	+	+		
VLAN ID	Type	Access Enca	n	Fabric	H/W id	BD VLAN	Endpoint		
		(Type Value		Encap	11/ 00 13	DD AHIMA	Count		
++	+_		-) - — — — — -	- Biicap +	+	+	+		
'I ₁₁	FD vlan 8	02 10	102	8194	24	17	1		
	ED Vian o	02.12	102	0104		Τ,	_		
leaf-a# show	gratom int	ornal onm wi	an 14	2					
real-a# SHOW	sàscem Illo	ernar ebm vi	.all I	2					
+		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	-	T-1	+	+	T		
VLAN ID	Type	Access Enca		Fabric	H/W la	BD VLAN	Endpoint		
		(Type Value	9)	Encap			Count		
++				+	+	+	+		
12	FD vlan 8	02.1Q	13 <i>1</i>	8229	25	28	1		
leaf-a# show	vlan id 17	ext							
VLAN Name]	Incap		Ports				
17 Sales:DB_BD vxlan-16580486 Eth1/1, Eth1/3, Po2							/3, Po2		
leaf-a# show vlan id 28 ext									
VLAN Name]	Encap	P	Ports				
28 Sales:	Backup_BD		7	vxlan-15859	683 E	th1/1, Eth1,	/3, Po2		
leaf-a# vsh l	.c -c "show	system inter:	nal e	ltmc info vl	an 11"	eqrep "sc]	lass service"		
_	sclass:	32773			scope:	26542			
	sclass:	32773	::		glabel:		15		
scl	assprio:	0	::		etptr:		11		
scla	sslrnen:	0	::				0		
	rice epg:	1							
_	sclass:	32773							
leaf-a# vsh l	.c -c "show	system inter:	nal e	ltmc info vl	an 12"	egrep "scl	lass service"		
_	sclass:	32774	::	:	scope:	26542			
	sclass:	32774	::	: sc	glabel:		15		
scl	assprio:	0	::		etptr:		2		
scla	ısslrnen:	0	::	: bypselff	wdchk:		0		
is serv	rice epg:	1							
	sclass:	32774							