NetworkLife Another packet in the network

Cisco ACI

Contracts



By default the VRF is « Enforced », the Endpoints in each EPG attached to this VRF can communicate inside an EPG, but not between FPG.

A way to configure inter-EPG communication is to enable « Preferred-Group » on the VRF +

If you set a VRF to « Unenforced », inter-EPG communication is allowed.

Enable « Preferred-Group » on each EPG.

By default, intra-EPG communication is allowed (Unenforced), but you can Enforce an EPG to block communication between all his endpoints.

Enfo	brced	Unenforced
VRF Bridge Domain	VRF Bridge Domain	VRF Bridge Domain
EPGA EPGB EPGC EP + + EP + EP EP EP EP	EPG A EPG B EPG C EP EP EP EP EP EP	$\begin{array}{c} \mathbf{FPG A} \\ \mathbf{FPG B} \\ \mathbf{FP \leftarrow} \\ \mathbf{FP \leftarrow}$
EP EP EP EP	Preferred Group	EP EP EP EP EP EP EP

Ct

Contract

Server EPG

An ACL

Configured between EPGs, or between EPGs and L3out.



С

Scope



Client EPG



Object Model & Rôle





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Contracts



Check contract counters & hits Contract rule priorities Taboo contracts

The HTTP and SQL contracts allow traffic from the consuming EPGs to reach the providing EPGs, while the **Established** contract allows universal traffic between EPGs so long as the TCP session is established. The HTTP and SQL contracts are only needed to allow the initial TCP SYN packet through to establish the session. all other traffic is handled by the vzAny EPG and its Established contract.



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