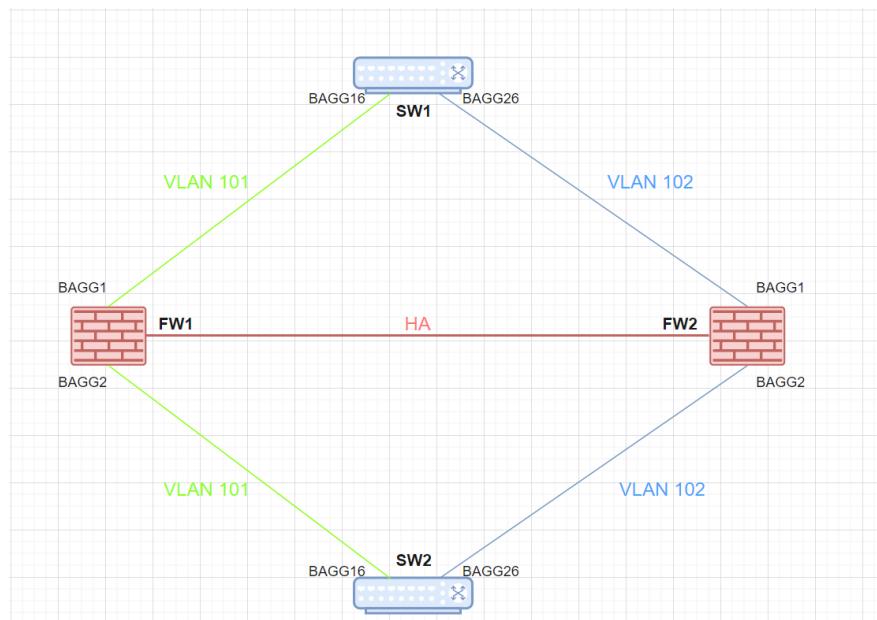


RBM透明双主部署典型配置

会话同步 双机热备 Track 孔凡安 2024-03-12 发表

组网及说明



组网说明：FW1和FW2的上、下行二层接口分别连接SW，其接口分别加入不同的VLAN。SW通过路由配置，实现内外网流量在两台FW所在路径上进行负载分担(以OSPF为例)。HA工作在双主模式，保证正常情况下两台FW同时处理业务。

配置步骤

SW配置：

	SW1	SW2
接口配置	<pre>vlan 101 # vlan 102 # interface Bridge-Aggregation16 port link-type trunk undo port trunk permit vlan 1 port trunk permit vlan 101 link-aggregation mode dynamic # interface Bridge-Aggregation26 port link-type trunk undo port trunk permit vlan 1 port trunk permit vlan 102 link-aggregation mode dynamic # interface Vlan-interface101 ip address 10.101.68.1 255.255.255.0 ospf network-type p2p # interface Vlan-interface102 ip address 10.102.68.1 255.255.255.0 ospf network-type p2p #</pre>	<pre>vlan 101 # vlan 102 # interface Bridge-Aggregation16 port link-type trunk undo port trunk permit vlan 1 port trunk permit vlan 101 link-aggregation mode dynamic # interface Bridge-Aggregation26 port link-type trunk undo port trunk permit vlan 1 port trunk permit vlan 102 link-aggregation mode dynamic # interface Vlan-interface101 ip address 10.101.68.2 255.255.255.25 5.0 ospf network-type p2p # interface Vlan-interface102 ip address 10.102.68.2 255.255.255.25 5.0 ospf network-type p2p #</pre>

ospf	<pre> # interface LoopBack0 ip address 68.1.1.1 255.255.255.255 # # ospf 1 router-id 68.1.1.1 area 0.0.0 network 10.101.68.0 0.0.0.255 network 10.102.68.0 0.0.0.255 network 68.1.1.1 0.0.0.0 # </pre>	<pre> # interface LoopBack0 ip address 68.1.2 255.255.255.255 5 # # ospf 1 router-id 68.1.1.2 area 0.0.0 network 10.101.68.0 0.0.0.255 network 10.102.68.0 0.0.0.255 network 68.1.1.2 0.0.0.0 # </pre>
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FW配置：

	FW1	FW2
接口、安全域、安全策略配置	<pre> # interface Route- Aggregation64 ip address 192.60.12.1 255.255.255.252 # # interface Bridge-Aggregati on1 port link-type trunk undo port trunk permit vla n 1 port trunk permit vlan 101 link-aggregation mode dy namic # # interface Bridge-Aggregati on2 port link-type trunk undo port trunk permit vla n 1 port trunk permit vlan 101 link-aggregation mode dy namic # security-zone name Trust import interface Bridge-A ggregation1 vlan 101 to 1 02 import interface Bridge-A ggregation2 vlan 101 to 1 02 # security-policy ip rule 0 name any action pass </pre>	<pre> # interface Route- Aggregation64 ip address 192.60.12.1 25 5.255.255.252 # # interface Bridge-Aggregati on1 port link-type trunk undo port trunk permit vla n 1 port trunk permit vlan 102 link-aggregation mode dy namic # # interface Bridge-Aggregati on2 port link-type trunk undo port trunk permit vla n 1 port trunk permit vlan 102 link-aggregation mode dy namic # security-zone name Trust import interface Bridge-A ggregation1 vlan 101 to 102 import interface Bridge-A ggregation2 vlan 101 to 102 # security-policy ip rule 0 name any action pass </pre>
RBM部分	<pre> # remote-backup group backup-mode dual-active data-channel interface Ro ute-Aggregation64 configuration sync-check i nterval 1 delay-time 5 track interface GigabitEth ernet1/0/2 track interface GigabitEth ernet1/0/4 local-ip 192.60.12.1 remote-ip 192.60.12.2 device-role primary # undo bridge fast-forwardin g check-vlan-id </pre>	<pre> # remote-backup group backup-mode dual-active data-channel interface Ro ute-Aggregation64 configuration sync-check i nterval 1 delay-time 5 track interface GigabitEth ernet1/0/2 track interface GigabitEth ernet1/0/4 local-ip 192.60.12.2 remote-ip 192.60.12.1 device-role secondary # undo bridge fast-forwardin g check-vlan-id </pre>

配置关键点

1. FW注意放通对应的动态路由协议相关的安全策略，如何细化可以参考典配。
2. FW配置track interface监控上下行接口状态，实现接口状态的联动。保证当其中一台FW或其链路故障时，上、下行流量能统一切换到对端。注意不是track vlan。
3. 需要配置Bridge转发时对VLAN ID字段的检查功能，对应命令：undo bridge fast-forwarding check-vlan-id

