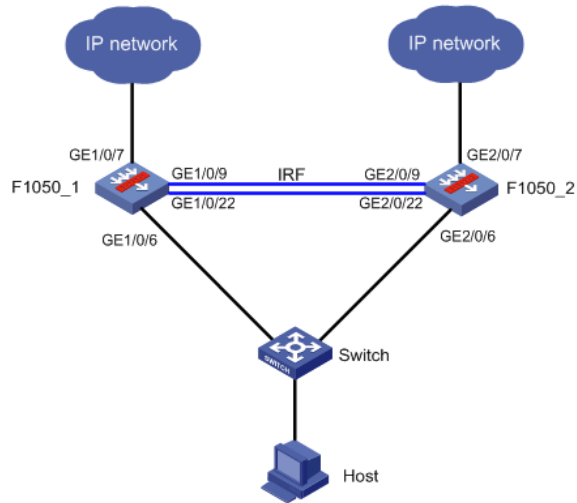


知 NGFW device dual-active egress gateway typical configuration

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Network Topology

As shown in Figure 1, two F1050s form an IRF. Intranet users aggregate HASH through the firewall's downlink and are distributed to two devices. The firewall is routed to the telecommunications network and China Unicom network through link load balancing technology. Configure on F1050 Link aggregation is locally preferred, and local forwarding traffic is prioritized from the device to avoid horizontal traffic. Because there are asymmetric scenarios, you need to configure the session hot backup function.



- Establish IRF between two F1050s.
- In order to prevent the IRF from splitting due to an IRF link failure, two IRFs with conflicting configurations are generated on the network, and the MAD detection function needs to be enabled. Detect GE1/0/4 of F1050_1 and GE2/0/4 of F1050_2 BFD MAD.
- Configure GE1/0/6 of F1050_1 and GE2/0/6 of F1050_2 as Layer 3 aggregation ports. GE1/0/7 of F1050_1 is configured as a telecom network outgoing interface and added to aggregation group 2, and GE2/0/7 of F1050_2 is configured as a Unicom network outgoing interface, and it is also added to aggregation group 3.
- Configure link load balancing on the firewall to load-share intranet traffic between the two links.

Configuration Steps

Configuration Notes:

Pay attention to the configuration sequence when configuring the stack for the F1050. After saving the configuration, activate the stack port configuration.

F1050 IRF

IRF configuration (Two F1050s can be connected through multiple IRF ports. Take GE1/0/9~GE2/0/9 and GE1/0/22~GE2/0/22 as examples below)

F1050_1 configuration

Configure member number and priority

system-view

[F1050_1] irf member 1 priority 32

Configure F1050_1, configure IRF port 1/1, bind it to physical ports GE1/0/9 and GE1/0/22, save the configuration, and activate the configuration under the IRF port.

[F1050_1] interface GigabitEthernet 1/0/9

[F1050_1-GigabitEthernet1/0/9] shutdown

[F1050_1-GigabitEthernet1/0/9] quit

[F1050_1] interface GigabitEthernet 1/0/22

[F1050_1-GigabitEthernet1/0/22] shutdown

[F1050_1-GigabitEthernet1/0/22] quit

[F1050_1] irf-port 1/1

[F1050_1-irf-port1/1] port group interface GigabitEthernet 1/0/9

[F1050_1-irf-port1/1] port group interface GigabitEthernet 1/0/22

[F1050_1-irf-port1/1] quit

[F1050_1] interface GigabitEthernet 1/0/9

[F1050_1-GigabitEthernet1/0/9] undo shutdown

[F1050_1-GigabitEthernet1/0/9] quit

[F1050_1] interface GigabitEthernet 1/0/22

[F1050_1-GigabitEthernet1/0/22] undo shutdown

[F1050_1-GigabitEthernet1/0/22] quit

[F1050_1] save

[F1050_1] irf-port-configuration active

(1) Configuration of F1050_2

Configure member number

system-view

[F1050_2] irf member 1 renumber 2

Warning: Renumbering the member ID may result in configuration change or loss. Continue? [Y/N]:y

[F1050_2] quit

reboot

F1050_2 After restarting, log in to the device and set the IRF priority.

system-view

[F1050_2] irf member 2 priority 1

Configure IRF port 2/2 and bind it to physical ports GE2/0/9 and GE2/0/22, save the configuration, and activate the configuration under the IRF port.

[F1050_2] interface GigabitEthernet 2/0/9

[F1050_2-GigabitEthernet2/0/9] shutdown

[F1050_2-GigabitEthernet2/0/9] quit

[F1050_2] interface GigabitEthernet 2/0/22

[F1050_2-GigabitEthernet2/0/22] shutdown

[F1050_2-GigabitEthernet2/0/22] quit

[F1050_2] irf-port 2/2

[F1050_2-irf-port2/2] port group interface GigabitEthernet 2/0/9

[F1050_2-irf-port2/2] port group interface GigabitEthernet 2/0/22

[F1050_2-irf-port2/2] quit

[F1050_2] interface GigabitEthernet 2/0/9

[F1050_2-GigabitEthernet2/0/9] undo shutdown

[F1050_2-GigabitEthernet2/0/9] quit

[F1050_2] interface GigabitEthernet 2/0/22

[F1050_2-GigabitEthernet2/0/22] undo shutdown

[F1050_2-GigabitEthernet2/0/22] quit

[F1050_2] save

```
[F1050_2] irf-port-configuration active
```

F1050 aggregate interface configuration

F1050 is configured with a three-layer aggregation port in the downstream to split the downstream application traffic to two devices.

Key Configuration

View the configuration

Enable the traffic acceleration function, which needs to be configured in dual main mode.

```
[F1050_1] link-aggregation global forwarding acceleration enable
```

```
display link-aggregation global forwarding acceleration
```

```
# GE1/0/6 of F1050_1 and GE2/0/6 of F1050_2 form the aggregation port RAGG1.
```

```
[F1050_1] interface Route-Aggregation 1 Description
```

```
[F1050_1-Route-Aggregation1] quit
```

```
[F1050_1] interface GigabitEthernet 1/0/6 ---
```

```
[F1050_1-GigabitEthernet1/0/6] port link-aggregation group 1
```

```
[F1050_1-GigabitEthernet1/0/6] quit
```

```
[F1050_1] interface GigabitEthernet 2/0/6
```

```
[F1050_1-GigabitEthernet2/0/6] port link-aggregation group 1
```

```
[F1050_1-GigabitEthernet2/0/6] quit
```

```
The bridge MAC of the IP is: 50da-00eb-7b9f
```

```
# Configure the IP address of the aggregation port BAGG1.
```

```
[F1050_1-Route-Aggregation1] ip address 192.168.1.254 24
```

```
[F1050_1-Route-Aggregation1] quit
```

```
[F1050_1-Route-Aggregation1] ip address 192.168.1.254 24
```

```
[F1050_1-Route-Aggregation1] quit
```

```
# Add the aggregation port to the security zone trust.
```

```
[F1050_1] security-zone name trust
```

```
[F1050_1-security-zone-trust] import interface Route-Aggregation 1
```

```
[F1050_1-security-zone-trust] quit
```

```
Load sharing type: Share Load sharing, NonS -- Non-Loadsharing
```

```
Port status: Selected Unselected, I -- Individual
```

```
# Create a link group lg1 of iss 1, where Link1 and Link2 are located, and configure the algorithm to
```

```
rotate -- Synchronization, E -- Collecting, F -- Distributing,
```

```
[F1050_1] load-balance link-group lg1
```

```
[F1050_1-lb-lgroup-lg1] predictor round-robin
```

```
[F1050_1-lb-lgroup-lg1] transparent enable
```

```
[F1050_1-lb-lgroup-lg1] quit
```

```
# Create links link-1 and link-2 and belong to link group lg1.
```

```
[F1050_1] load-balance link link-1
```

```
[F1050_1-lb-link-link-1] router ip 10.152.2.254 /电信
```

```
[F1050_1-lb-link-link-1] link-group lg1
```

```
[F1050_1-lb-link-link-1] quit
```

```
[F1050_1] load-balance link link-2
```

```
[F1050_1-lb-link-link-2] router ip 10.152.3.254 /联通
```

```
[F1050_1-lb-link-link-2] link-group lg1
```

```
[F1050_1-lb-link-link-2] quit
```

```
# Create a NAT address pool address globally.
```

```
[F1050_1] nat outbound address-group 1
```

```
[F1050_1-address-group-1] address 10.153.1.10 10.153.1.10
```

```
[F1050_1-address-group-1] quit
```

```
[F1050_1] nat outbound address-group 2
```

```
[F1050_1-address-group-1] address 10.154.1.10 10.154.1.10
```

```
[F1050_1-address-group-1] quit
```

```
# NAT outbound is enabled on the corresponding interfaces of link link-1 and link-2, referencing
```

```
address pool addresses 1, 2 respectively
```

```
[F1050_1-Route-Aggregation 2] nat outbound address-group 1
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 3] nat outbound address-group 2
```

```
[F1050_1-Route-Aggregation 3] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
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```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```

```
[F1050_1-Route-Aggregation 2] quit
```