This article provides examples of routing and bridging configurations. For details about configuring routing and bridging on the ACE, see the *Cisco Application Control Engine Module Routing and Bridging Configuration Guide*.

To return to the main article, click here.

Contents

Example of a Bridged Configuration

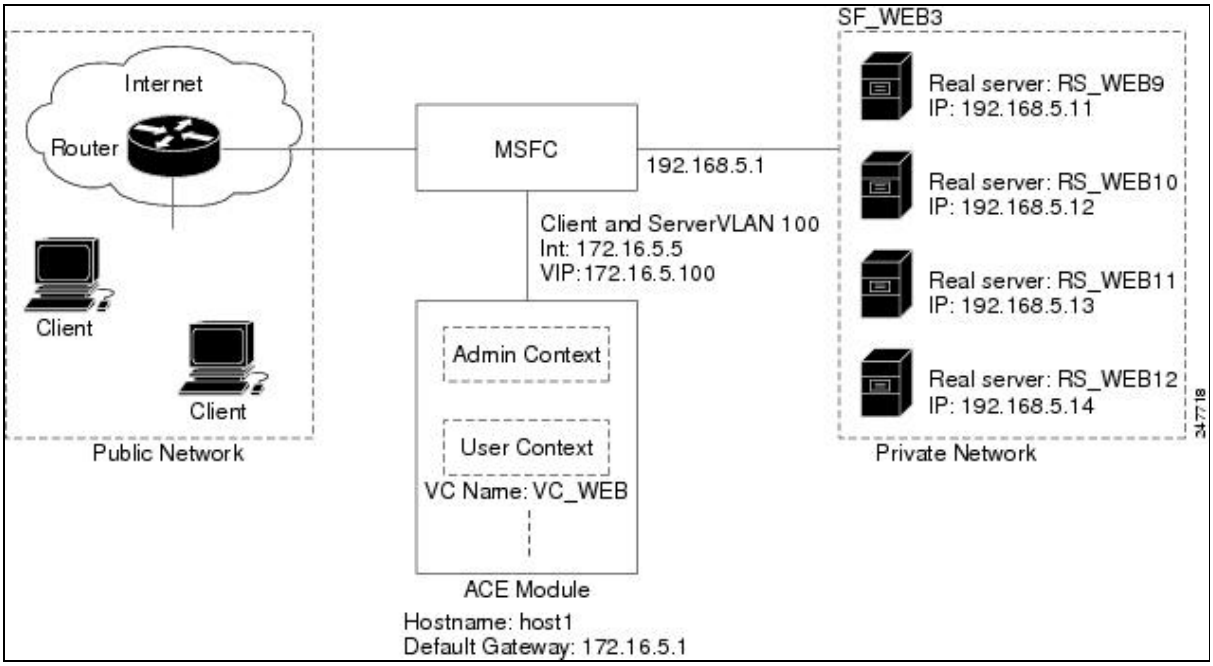
The following example shows a basic bridged mode configuration. In this mode, VLANs 40 and 41 are bridged, so that packets are flooded from one VLAN to the other. The context VC_WEB shares both VLANs in the bridge group. Note that all other configuration examples in this wiki are examples of routed mode.

```
access-list INBOUND extended permit ip any

probe tcp TCP_PROBE1

rserver host RS_WEB5
  description content server web-five
  ip address 10.15.3.11
  inservice
rserver host RS_WEB6
  description content server web-six
  ip address 10.15.3.12
  inservice
rserver host RS_WEB7
  description content server web-seven
  ip address 10.15.3.13
  inservice
rserver host RS_WEB8
  description content server web-eight
  ip address 10.15.3.14
  inservice

serverfarm SF_WEB2
   probe TCP_PROBE1
  rserver RS_WEB5 80
     inservice
  rserver RS_WEB6 80
     inservice
  rserver RS_WEB7 80
     inservice
  rserver RS_WEB8 80
     inservice

policy-map type loadbalance first-match HTTP_LB
  class-default
     serverfarm SF_WEB2
```

```
class-map VS_WEB2
  match virtual-address 10.15.3.100 any

policy-map multi-match HTTP_MULTI_MATCH
  class VS_WEB2
     loadbalance policy HTTP_LB
     loadbalance vip inservice

interface bvi 1
  description Client and server bridge group 1
 ip address 10.15.3.5 255.255.255.0
  no shutdown

interface vlan 40
  description Client_side
  bridge-group 1
  access-group input INBOUND
  service-policy input HTTP_MULTI_MATCH
  no shutdown

interface vlan 41
  description Server-side
  bridge-group 1
  no shutdown

context VC_WEB
  allocate-interface vlan 40
  allocate-interface vlan 41
  member RC_WEB

ip route 0.0.0.0 0.0.0.0 10.15.3.1
```

Example of a One-Arm Configuration

The following example shows how to configure one-arm mode. In one-arm mode, the clients and the servers are in the same VLAN.



```
access-list INBOUND extended permit ip any any

probe tcp TCP_PROBE2

rserver host RS_WEB9
  description content server web-nine
  ip address 192.168.5.11
  inservice
rserver host RS_WEB10
  description content server web-ten
  ip address 192.168.5.12
  inservice
rserver host RS_WEB11
  description content server web-eleven
  ip address 192.168.5.13
  inservice
rserver host RS_WEB12
  description content server web-twelve
  ip address 192.168.5.14
  inservice

serverfarm SF_WEB3
  probe TCP_PROBE2
  rserver RS_WEB9 80
    inservice
  rserver RS_WEB10 80
    inservice
  rserver RS_WEB11 80
    inservice
  rserver RS_WEB12 80
    inservice

policy-map type loadbalance first-match PM_ONE_ARM_LB
  class class-default
    serverfarm SF_WEB3

class-map VS_WEB3
  match virtual-address 172.16.5.100 any

policy-map multi-match PM_ONE_ARM_MULTI_MATCH
  class VS_WEB3
    loadbalance policy PM_ONE_ARM_LB
    loadbalance vip inservice
    loadbalance vip icmp-reply active
    nat dynamic 5 vlan 100


interface vlan 100
  description Client_server
  ip address 172.16.5.5 255.255.255.0
  access-group input INBOUND
  service-policy input PM_ONE_ARM_MULTI_MATCH
  nat-pool 5 172.16.5.200 172.16.5.209 netmask 255.255.255.0 pat
  no shutdown

context VC_WEB
  allocate-interface vlan 100
  member RC_WEB

ip route 0.0.0.0 0.0.0.0 172.16.5.1
```