



APPENDIX **D**

Interoperability Examples

There are a number of features on the integrated services router (ISR) that the user can run along with the NME-APA module. If you choose to run these features on the ISR, you must also configure the ISR in a specific way. This appendix describes the configuration that you must perform.

- [Configuring Zone Based Firewall with Inline Traffic Management, page D-1](#)
- [Configuring Inline Traffic Management with NME-WAE, page D-2](#)
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Configuring Zone Based Firewall with Inline Traffic Management

To configure zone-based firewall and inline traffic management on the router, add the service module interface to a zone. The example shows the service module interface included in a zone.

Examples

```
class-map type inspect match-any private-allowed-class
  match protocol tcp
  match protocol udp
  match protocol icmp
!
policy-map type inspect private-allowed-policy
  class type inspect private-allowed-class
  inspect
!
zone security private
zone security public
zone-pair security priv-pub source private destination public
  service-policy type inspect private-allowed-policy
!
interface GigabitEthernet0/0
  zone-member security private
!
interface GigabitEthernet0/1
  zone-member security public
  service-module apa traffic-management inline
!
interface Integrated-Service-Engine1/0
  zone-member security private
```

Configuring Inline Traffic Management with NME-WAE

To configure inline traffic management with NME-WAE, you need to avoid traffic loops. The example shows the configuration for inline traffic management on NME-WAE.

Examples

```
ip source-route
ip wccp 61
ip wccp 62
!
interface GigabitEthernet0/1
    ip wccp 61 redirect in
    ip wccp 62 redirect out
    service-module apa traffic-management inline
!
interface Integrated-Service-Engine1/0 <-- NME-APA
!
interface Integrated-Service-Engine2/0 <-- NME-WAE
service-module apa traffic-management inline
ip wccp redirect exclude in
```

Configuring Jumbo Frame Support on Application Performance Assurance

When jumbo frames is configured on the router interface, in addition to APA; the service module interface must also have jumbo frames configured. The example shows jumbo frames configured on the service module interface.

```
interface GigabitEthernet0/0
    mtu 9000
!
interface GigabitEthernet0/1
    mtu 9000
!
interface Integrated-Service-Engine1/0 <-- NME-APA
    mtu 9000
```