



Quick Start Steps

The following sections describe the minimum configuration required for the FWSM in routed mode or transparent mode:

- [Routed Firewall Minimum Configuration Steps, page xxvii](#)
- [Transparent Firewall Minimum Configuration Steps, page xxviii](#)

Routed Firewall Minimum Configuration Steps

To configure the FWSM in routed mode, perform the following steps:

	Task	Description
Step 1	Assigning VLANs to the Firewall Services Module, page 2-2	On the switch, you need to assign VLANs to the FWSM so that the FWSM can send and receive traffic on the switch.
Step 2	(Might be required) Adding Switched Virtual Interfaces to the MSFC, page 2-5	If you want the MSFC to route between VLANs that are assigned to the FWSM, complete this procedure.
Step 3	Connecting to the Firewall Services Module, page 3-1	From the switch CLI, you can session into the FWSM to access the FWSM CLI.
Step 4	(Might be required; multiple context mode only) Enabling or Disabling Multiple Context Mode, page 4-9	If you want to use multiple context mode and your FWSM is not already configured for it, or if you want to change back to single mode, follow this procedure.
Step 5	(Multiple context mode only) Configuring a Security Context, page 4-18	Add a security context.
Step 6	(Multiple context mode only) Changing Between Contexts and the System Execution Space, page 4-22	Because you must configure some settings in the system execution space and some settings within the context, you need to know how to switch between contexts and the system execution space.
Step 7	Configuring Interfaces for Routed Firewall Mode, page 6-2	For each VLAN interface, you must set a name (such as inside or outside), a security level, and an IP address.
Step 8	Configuring a Default Route, page 8-4	Create a default route to an upstream router.

	Task	Description
Step 9	Configure routing using one of these methods: <ul style="list-style-type: none"> • Configuring a Static Route, page 8-3 • (Single context mode only) Configuring OSPF, page 8-4 • (Single context mode only) Configuring RIP, page 8-18 	In multiple context mode, static routing is the only routing method supported. In single mode, you have a choice of static, RIP, or OSPF. RIP support is for passive mode only.
Step 10	(Might be required) Use one or more of these NAT methods: <ul style="list-style-type: none"> • Using Dynamic NAT and PAT, page 12-17 • Using Static NAT, page 12-26 • Using Static PAT, page 12-28 	Configure NAT if you use private address, or want the extra security.
Step 11	Adding an Extended ACE, page 10-7	Before any traffic can go through the FWSM, you must create an access list that permits traffic.
Step 12	Applying an Access List to an Interface, page 11-4	Apply the access list to an interface.

Transparent Firewall Minimum Configuration Steps

To configure the FWSM in transparent mode, perform the following steps:

	Task	Description
Step 1	Assigning VLANs to the Firewall Services Module, page 2-2	On the switch, you need to assign VLANs to the FWSM so that the FWSM can send and receive traffic on the switch.
Step 2	(Might be required) Adding Switched Virtual Interfaces to the MSFC, page 2-5	If you want the MSFC to route between VLANs that are assigned to the FWSM, complete this procedure.
Step 3	Connecting to the Firewall Services Module, page 3-1	From the switch CLI, you can session into the FWSM to access the FWSM CLI.
Step 4	(Might be required; multiple context mode only) Enabling or Disabling Multiple Context Mode, page 4-9	If you want to use multiple context mode and your FWSM is not already configured for it, or if you want to change back to single mode, follow this procedure.
Step 5	(Multiple context mode only) Configuring a Security Context, page 4-18	Add a security context.
Step 6	(Multiple context mode only) Changing Between Contexts and the System Execution Space, page 4-22	Because you must configure some settings in the system execution space and some settings within the context, you need to know how to switch between contexts and the system execution space.
Step 7	Setting Transparent or Routed Firewall Mode, page 5-16	Before you configure any settings, you must set the firewall mode to transparent mode. Changing the mode clears your configuration. In multiple context mode, set the mode in each context.
Step 8	Configuring Transparent Firewall Interface Parameters, page 6-3	For each VLAN interface, you must set a name (such as inside or outside), a security level, and a bridge group.
Step 9	Assigning an IP Address to a Bridge Group, page 6-5	Assign an IP address to each bridge group.

	Task	Description
Step 10	Configuring a Default Route, page 8-4	Create a default route to an upstream router for returning management traffic.
Step 11	Adding an Extended ACE, page 10-7	Before any traffic can go through the FWSM, you must create an access list that permits traffic.
Step 12	Applying an Access List to an Interface, page 11-4	Apply the access list to an interface.

