PIX/ASA 7.x y later/FWSM: Fije el tiempo de espera de la conexión SSH/Telnet/HTTP usando el ejemplo de la configuración MPF

ID del Documento: 68332

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Productos Relacionados

- Cisco Adaptive Security Device Manager
- Firewall de la última generación de las 5500-X Series de Cisco ASA
- **Dispositivos de seguridad Cisco PIX de la serie 500**

Contenido

Introducción

Este documento proporciona una configuración de muestra para PIX 7.1(1) y posterior de un descanso que sea específico a una aplicación determinada tal como SSH/Telnet/HTTP, en comparación con uno que se aplique a todas las aplicaciones. Este ejemplo de configuración utiliza el nuevo Marco de políticas modular introducido en PIX 7.0. Refiérase usando el Marco de políticas modular para más información.

En esta configuración de muestra, el firewall PIX se configura para permitir el puesto de trabajo (10.77.241.129) a Telnet/SSH/HTTP al servidor remoto (10.1.1.1) detrás del router. Un descanso de otra conexión al tráfico Telnet/SSH/HTTP también se configura. Todo el otro tráfico TCP continúa teniendo el valor de agotamiento del tiempo de la conexión normal asociado a la **conexión de tiempo de espera 1:00:00**.

Refiera a AASA 8.3 y posterior: Fije el tiempo de espera de la conexión SSH/Telnet/HTTP usando el ejemplo de la configuración MPF para más información sobre la configuración idéntica usando el ASDM con el dispositivo de seguridad adaptante de Cisco (ASA) con la versión 8.3 y posterior.

prerrequisitos

Requisitos

No hay requisitos específicos para este documento.

Componentes Utilizados

La información en este documento se basa en la versión de software del dispositivo de seguridad del PIX/ASA de Cisco 7.1(1) con el Administrador de dispositivos de seguridad adaptante (ASDM) 5.1.

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener cualquier comando.

Convenciones

Consulte Convenciones de Consejos Técnicos de Cisco para obtener más información sobre las convenciones sobre documentos.

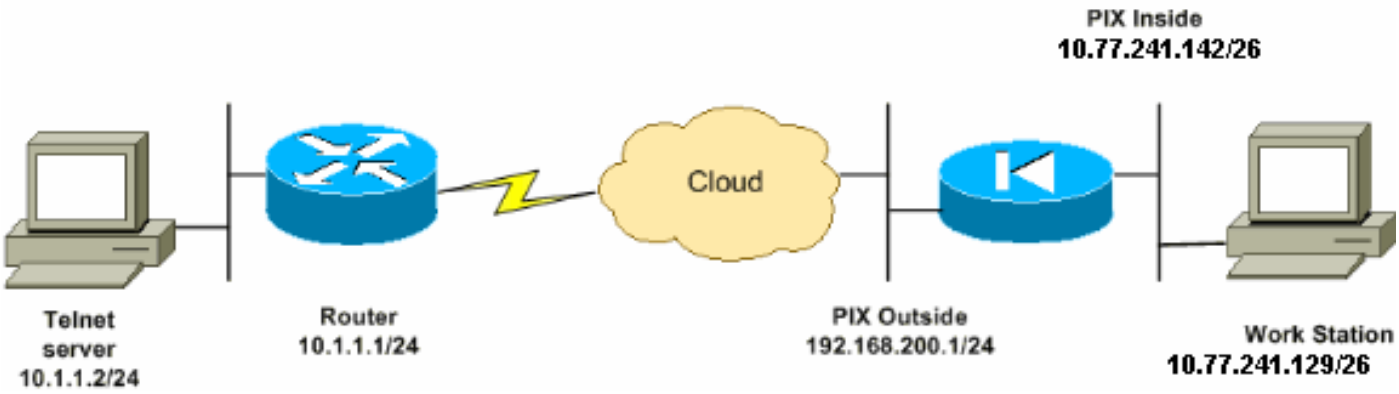
Configurar

En esta sección encontrará la información para configurar las funciones descritas en este documento.

Nota: Use la Command Lookup Tool (clientes registrados solamente) para obtener más información sobre los comandos usados en esta sección.

Diagrama de la red

En este documento, se utiliza esta configuración de red:



Nota: Los esquemas de direccionamiento IP usados en esta configuración no son legalmente enrutables en Internet. Son los direccionamientos del RFC 1918, que se han utilizado en un ambiente de laboratorio.

Configuración

Este documento usa esta configuración:

Nota: Este el CLI y las Configuraciones de ASDM son aplicables al módulo firewall service (el FWSM)

Configuración CLI:

Configuración de PIX

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip
10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the
class map. !--- Telnet is defined in this example.
access-list outside_mpc_in extended permit tcp host
10.77.241.129 any eq telnet
access-list outside_mpc_in extended permit tcp host
10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host
10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128
```

```
255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128
255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128
255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is
applicable to !--- all other TCP applications. timeout
conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp
0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp
0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup
linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to
classify Telnet/ssh/http traffic when you use Modular
Policy Framework !--- to configure a security feature.
!--- Assign the parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
```

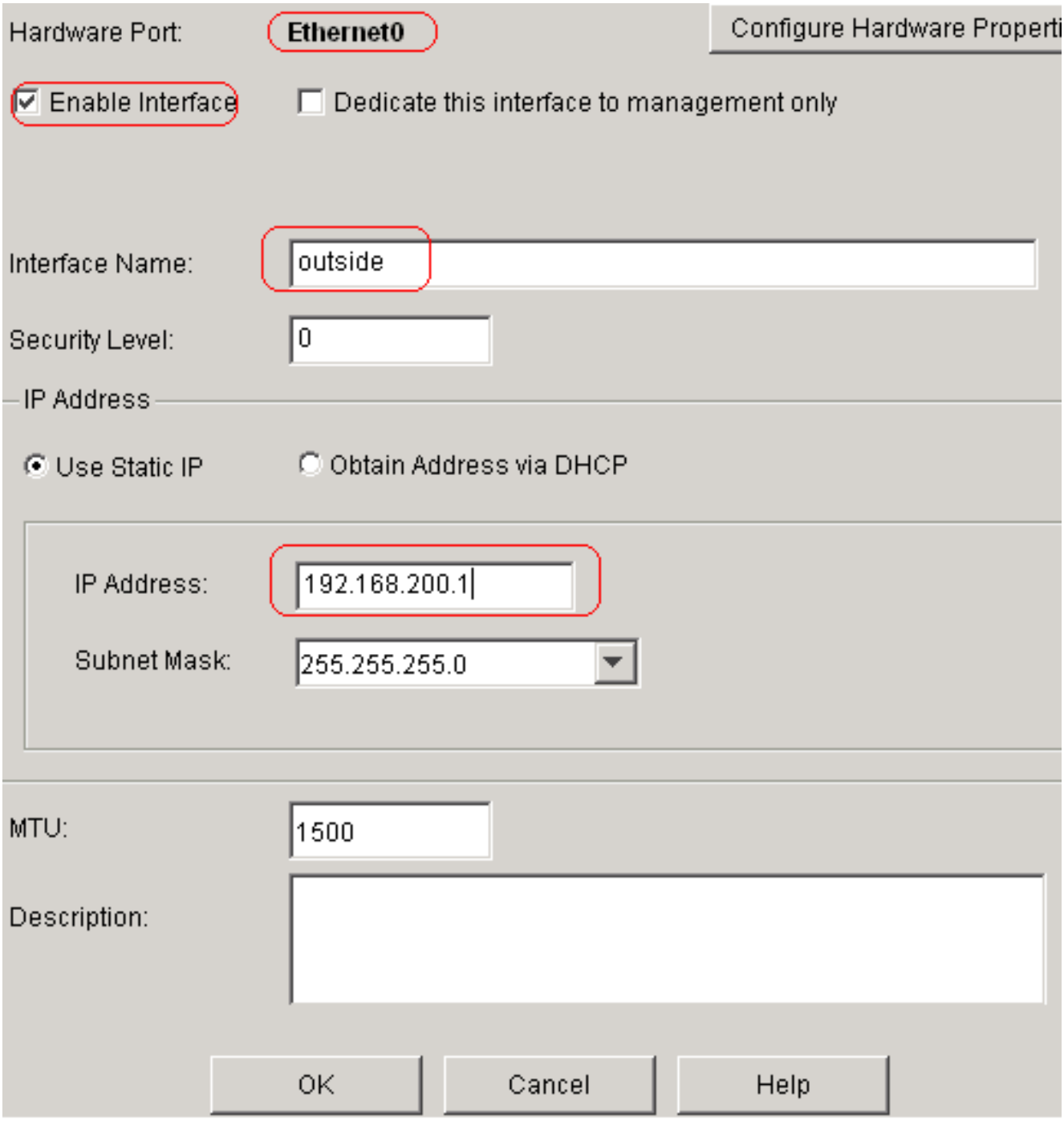
```
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy
map.


policy-map telnet

!--- Set the connection timeout under the class mode in
which !--- the idle TCP (Telnet/ssh/http) connection is
disconnected. !--- There is a set value of ten minutes
in this example. !--- The minimum possible value is five
minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !---
You can apply the service-policy command to any
interface that !--- can be defined by the nameif
command.

service-policy telnet interface outside
end
```

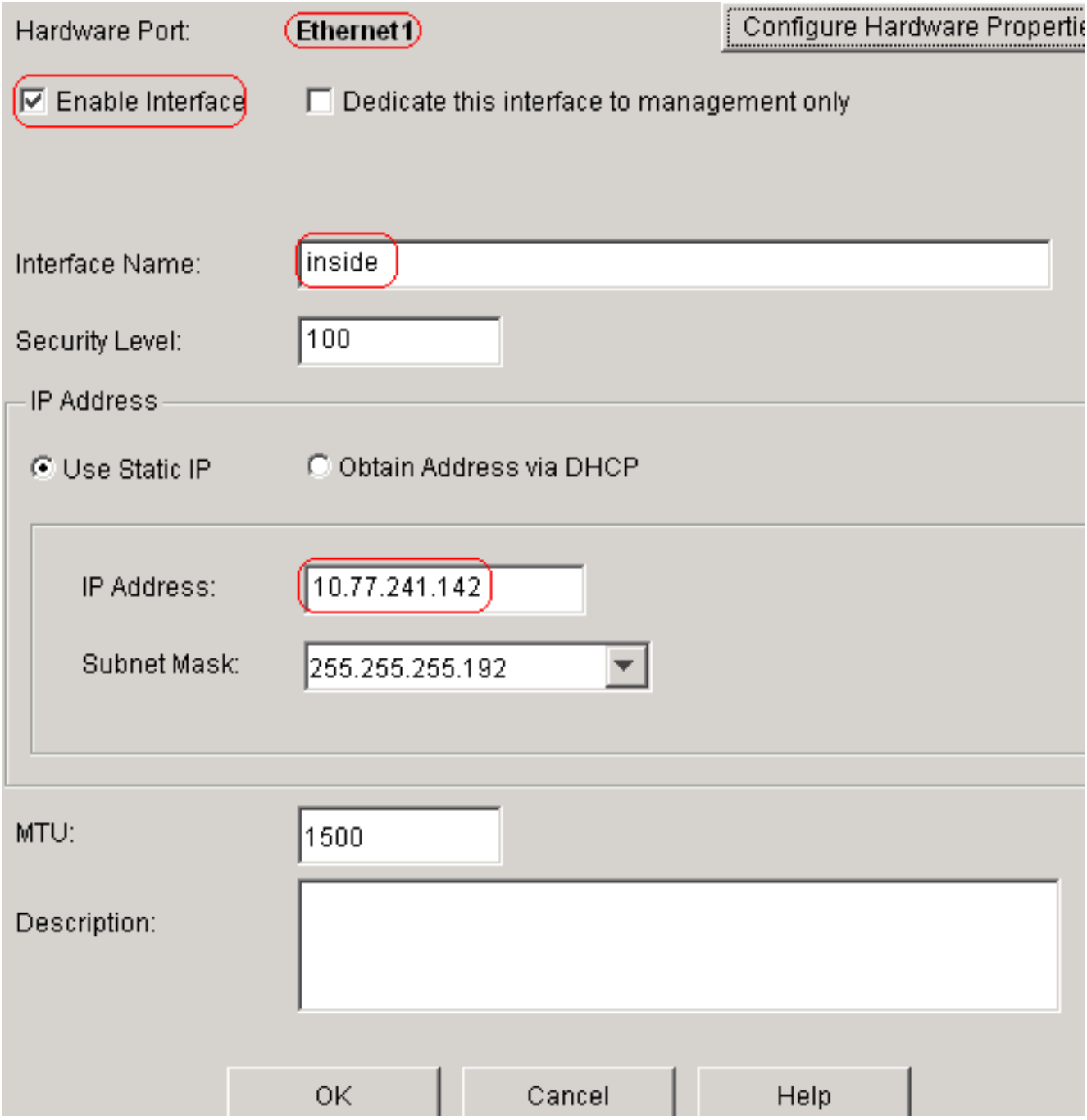
Configuración de ASDM:

Complete estos pasos para configurar el descanso de conexión TCP para el tráfico de Telnet basado en la lista de acceso que utiliza el ASDM como se muestra.

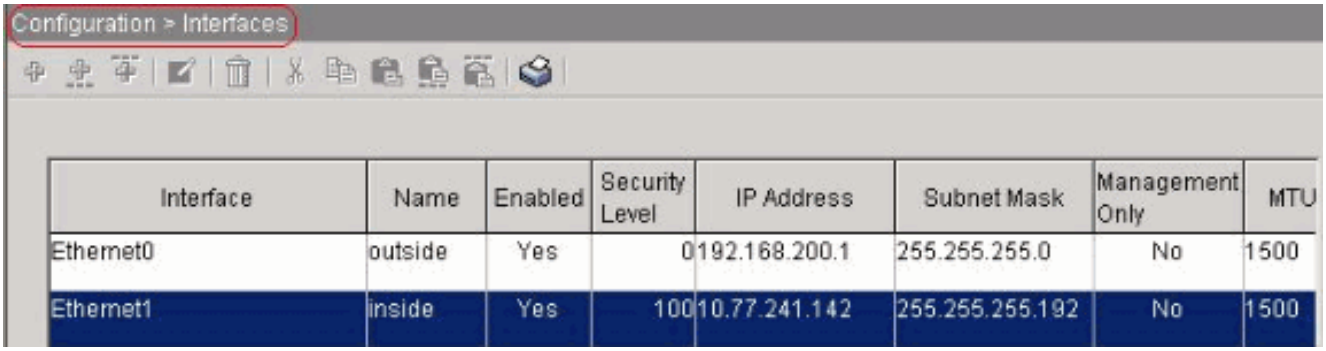
Nota: Refiera a permitir que el acceso HTTPS para el ASDM para las configuraciones básicas para acceder el PIX/ASA con el ASDM.

1. **Configure las interfaces**Elija el **Configuration (Configuración) > Interfaces (Interfaces) > Add** para configurar el ethernet0 de las interfaces (afuera) y el Ethernet1 (dentro) como se muestra.


Hardware Port:
Ethernet0
Configure Hardware Properti
Enable Interface
Dedicate this interface to management only
Interface Name:
outside
Security Level:
0
IP Address
Use Static IP
Obtain Address via DHCP
IP Address:
192.168.200.1
Subnet Mask:
255.255.255.0
MTU:
1500
Description:
OK
Cancel
Help



Click
OK.



Interface	Name	Enabled	Security Level	IP Address	Subnet Mask	Management Only	MTU
Ethernet0	outside	Yes	0	192.168.200.1	255.255.255.0	No	1500
Ethernet1	inside	Yes	100	10.77.241.142	255.255.255.192	No	1500

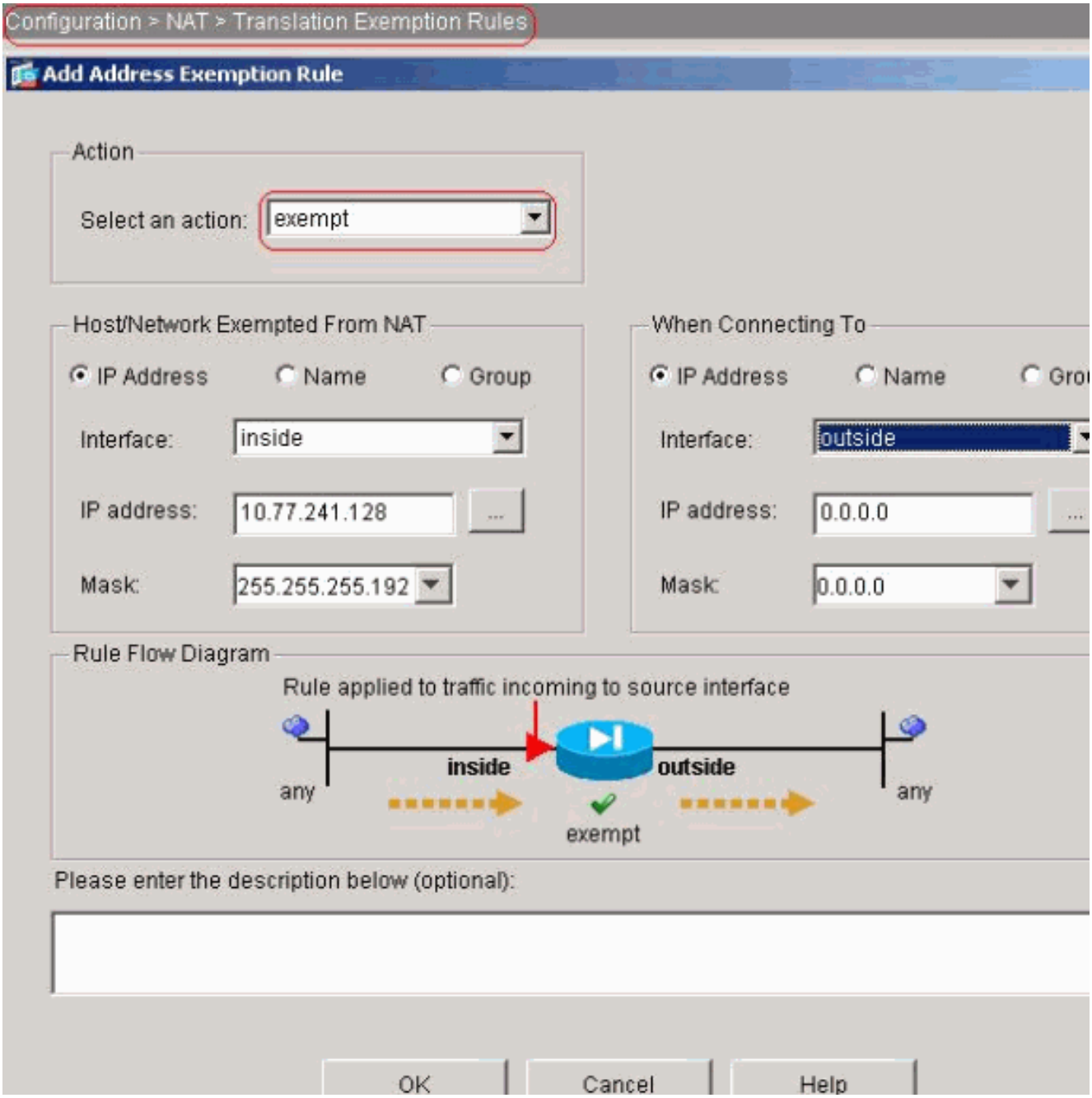
Configuración CLI equivalente como se muestra:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
```

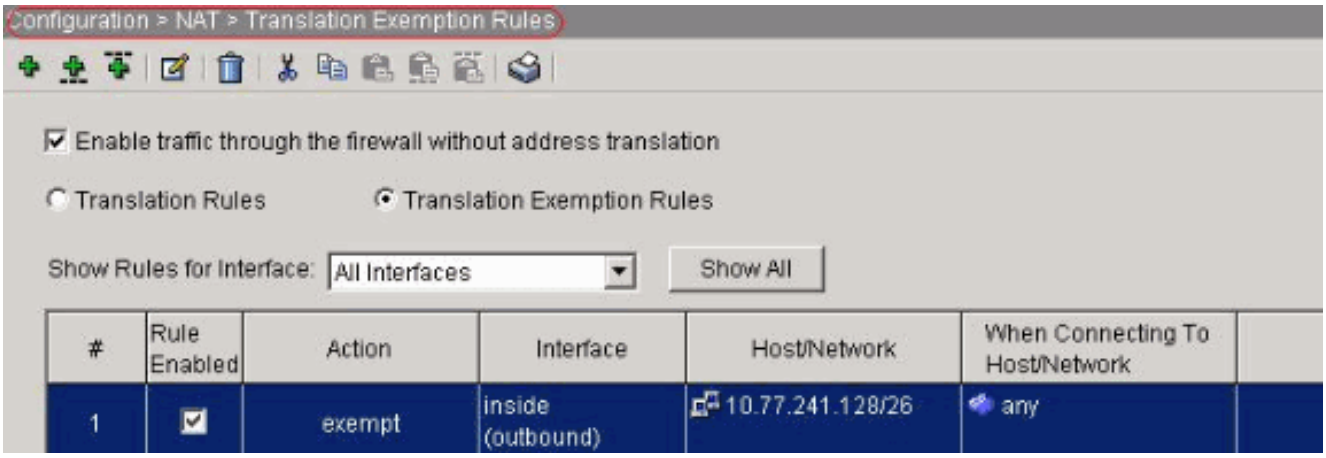
```
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in
this example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq
telnet
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP
applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you
use Modular Policy Framework !--- to configure a security feature. !--- Assign the
parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
```

```
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.


policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in
this example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy
command to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

2. Configuración NAT 0Elija la **configuración > el NAT > las reglas de exención de la traducción > Add** para permitir que el tráfico de la red 10.77.241.128/26 acceda Internet sin ninguna traducción.



Click
OK.



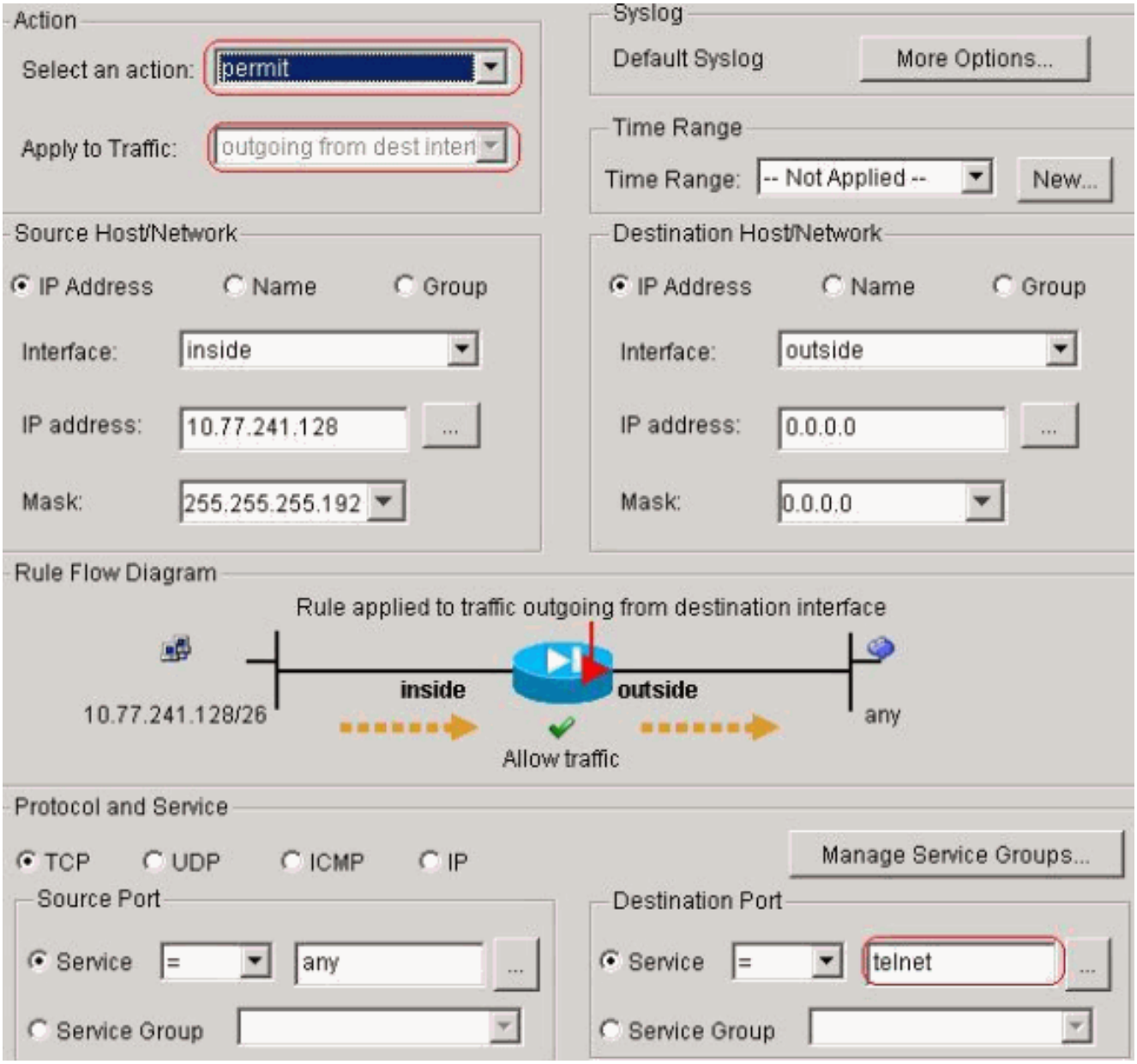
Configuración CLI equivalente como se muestra:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
```

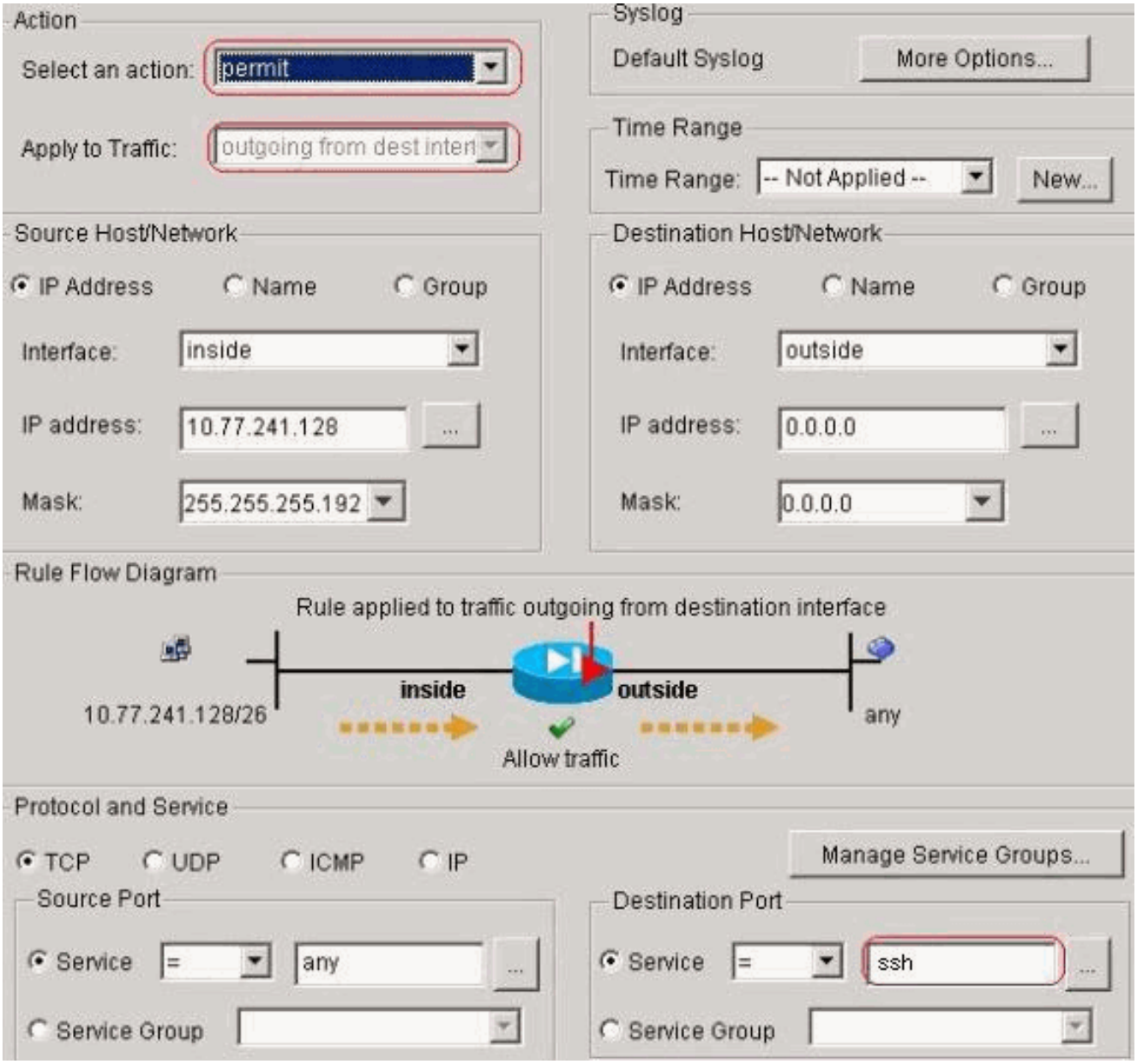
```
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in
this example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq
telnet
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP
applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you
use Modular Policy Framework !--- to configure a security feature. !--- Assign the
parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
```

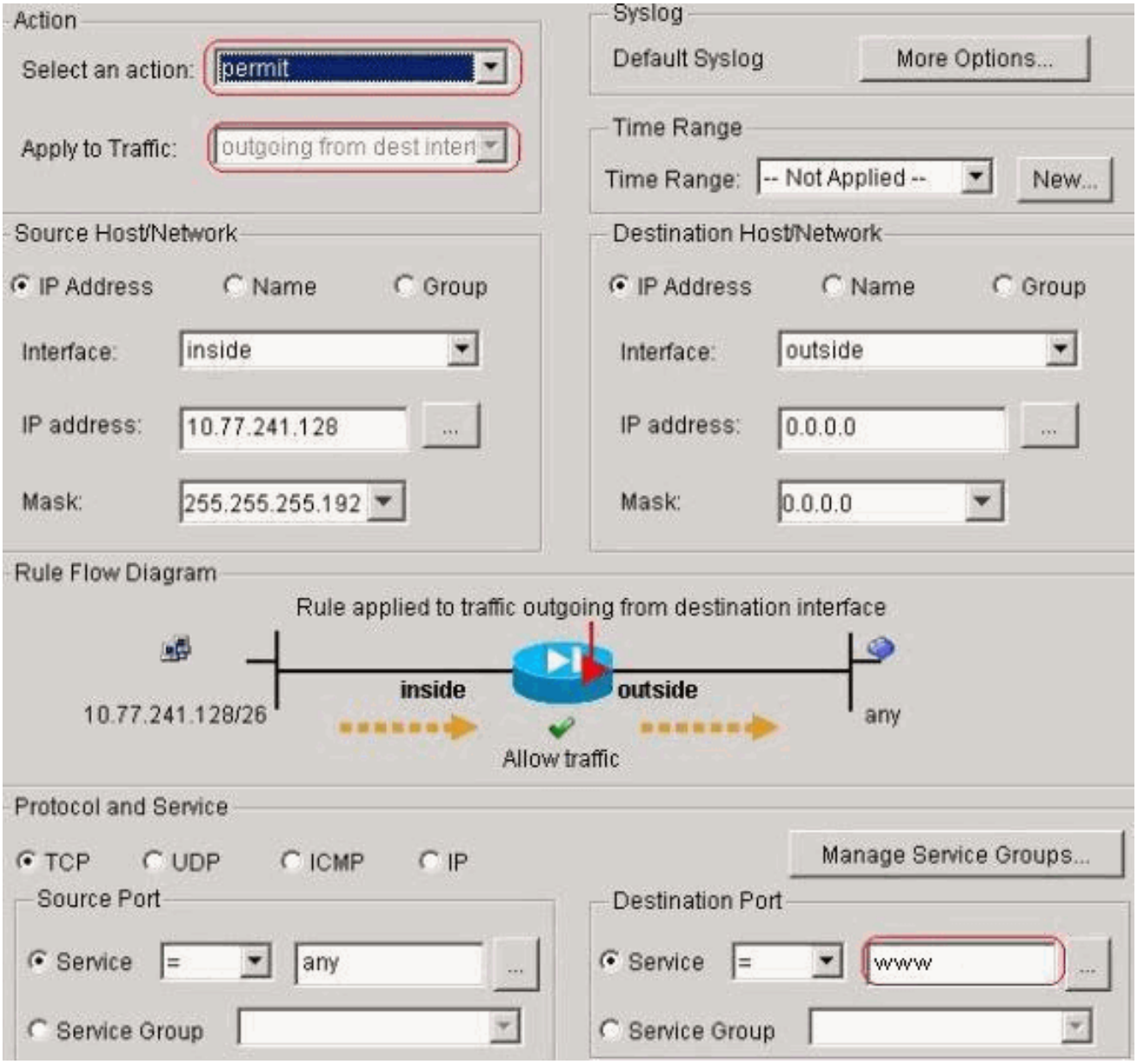
```
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.


policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in
this example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy
command to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

3. **Configuración ACL**Elija las **reglas de los >Access de la directiva del > Security (Seguridad) de la configuración** para configurar los ACL como se muestra.El tecleo **agrega** para configurar un ACL 101 que permite el tráfico de Telnet originado de la red 10.77.241.128/26 a cualquier red de destino y la solicita el tráfico saliente en la interfaz exterior.



Click OK. Semejantemente para el ssh y el tráfico HTTP:


Action
Select an action:
permit
Apply to Traffic:
outgoing from dest inter
Syslog
Default Syslog
More Options...
Time Range
Time Range:
-- Not Applied --
New...
Source Host/Network
IP Address
Name
Group
Interface:
inside
IP address:
10.77.241.128
Mask:
255.255.255.192
Destination Host/Network
IP Address
Name
Group
Interface:
outside
IP address:
0.0.0.0
Mask:
0.0.0.0
Rule Flow Diagram
Rule applied to traffic outgoing from destination interface
10.77.241.128/26
inside
outside
any
Allow traffic
Protocol and Service
TCP
UDP
ICMP
IP
Manage Service Groups...
Source Port
Service
=
any
Service Group
Destination Port
Service
=
ssh
Service Group



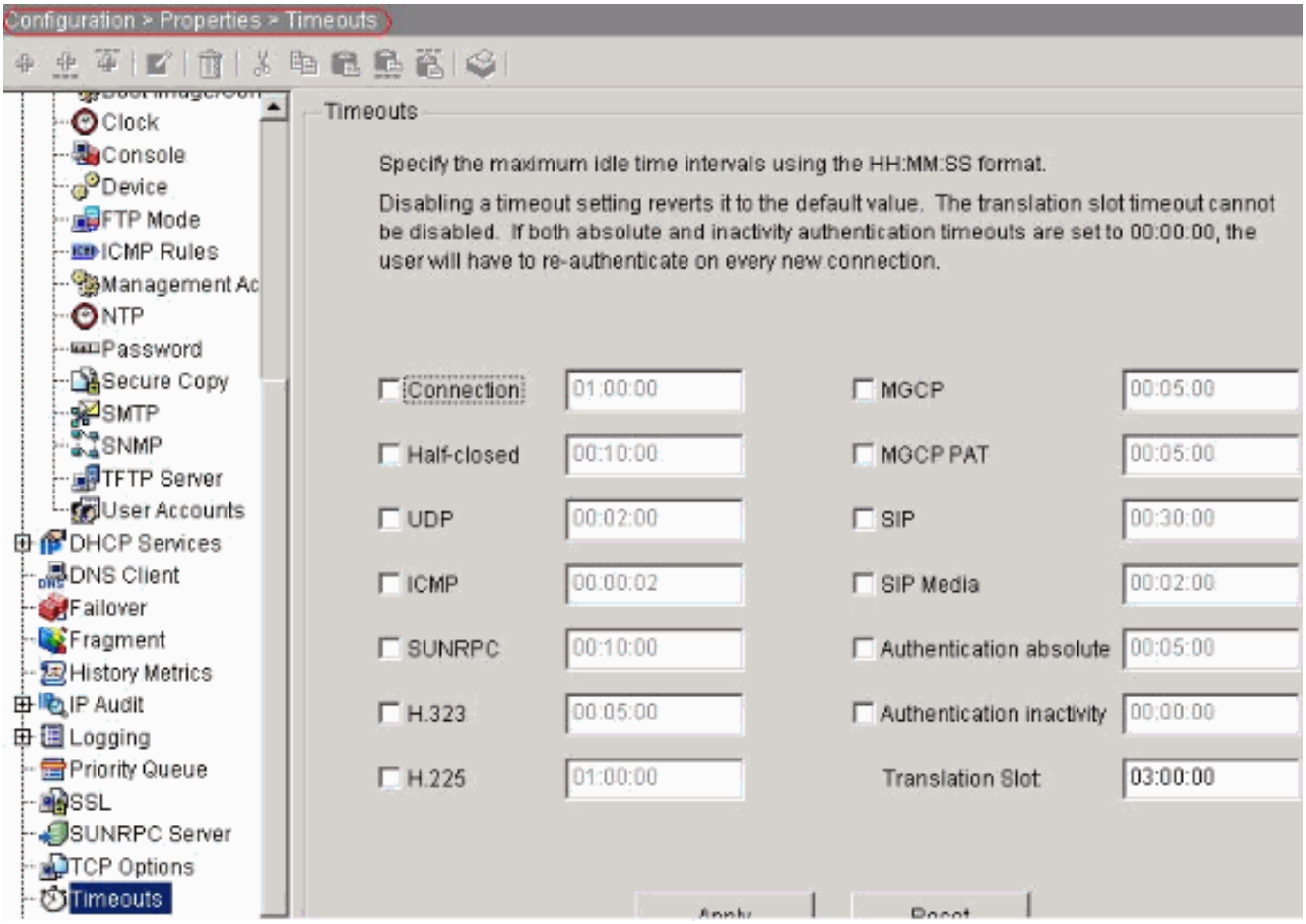
Configuración CLI equivalente como se muestra:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in
this example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq
telnet
```

```
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP
applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you
use Modular Policy Framework !--- to configure a security feature. !--- Assign the
parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.
```

```
policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in
this example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy
command to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

4. **Descansos de la configuración**Elija la **configuración > las propiedades > los descansos** para configurar los diversos descansos. En este escenario, guarde el valor predeterminado para todos los descansos.



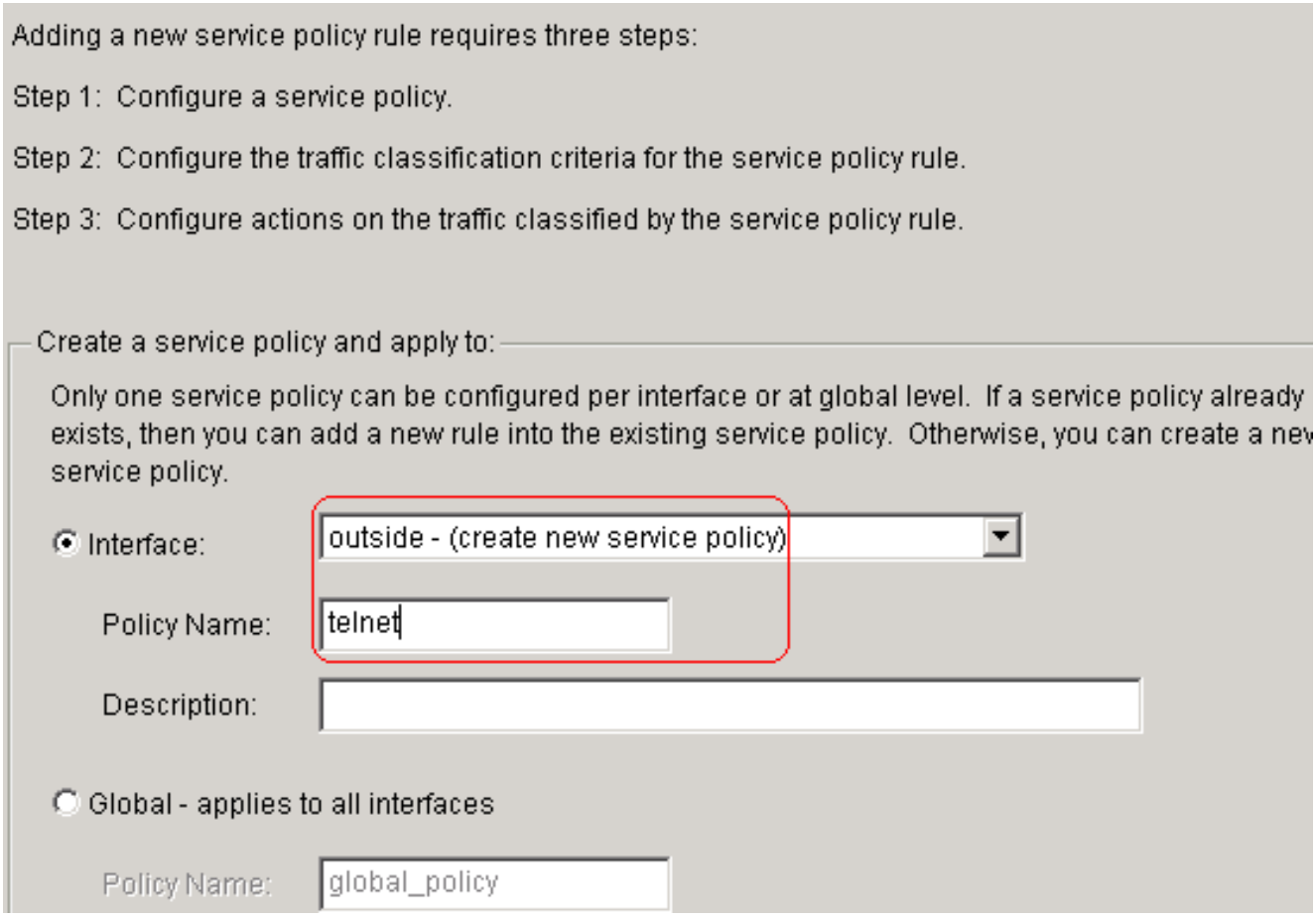
Configuración CLI equivalente como se muestra:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
```

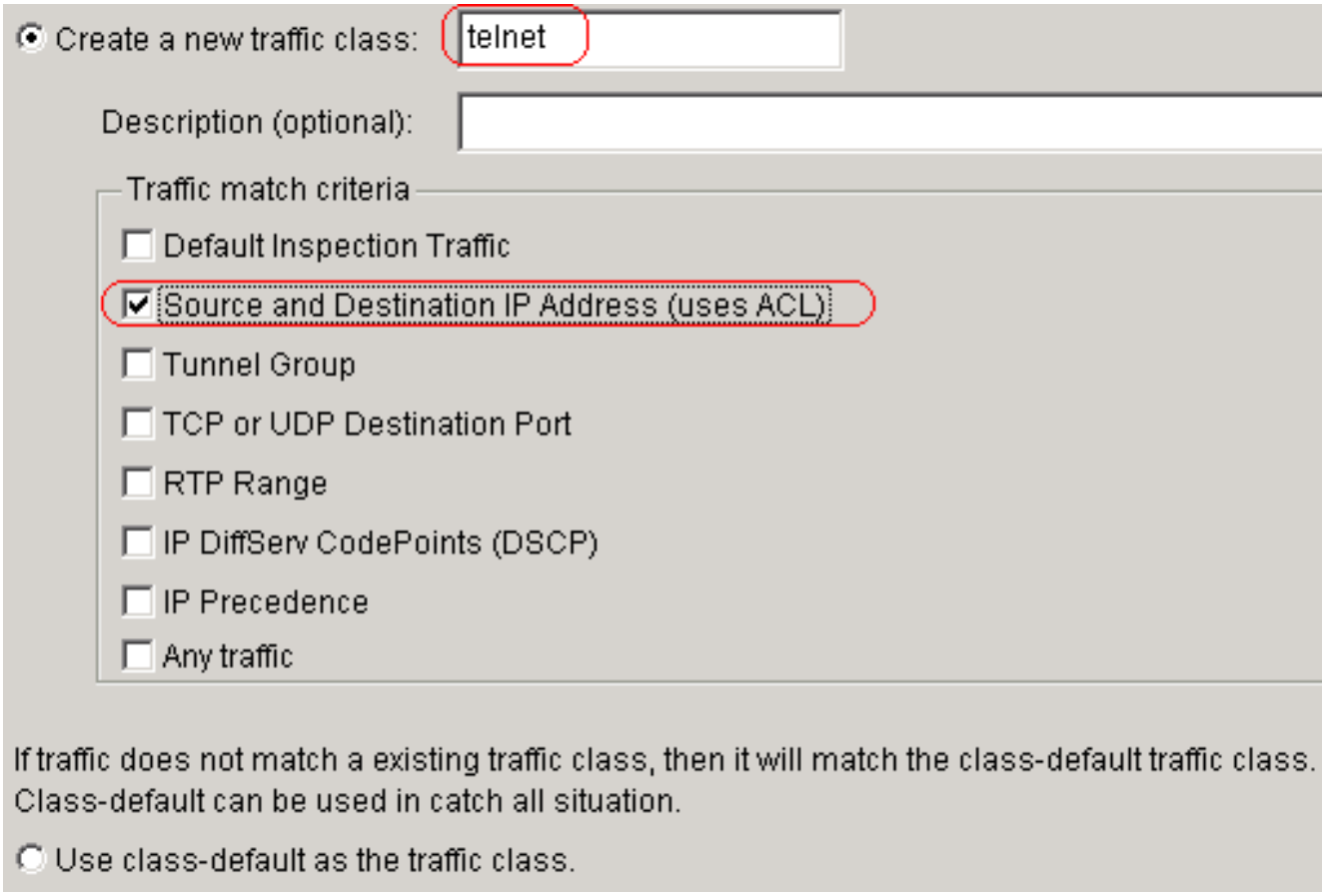
```
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in
this example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq
telnet
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP
applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you
use Modular Policy Framework !--- to configure a security feature. !--- Assign the
parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
```

```
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.


policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in
this example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy
command to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

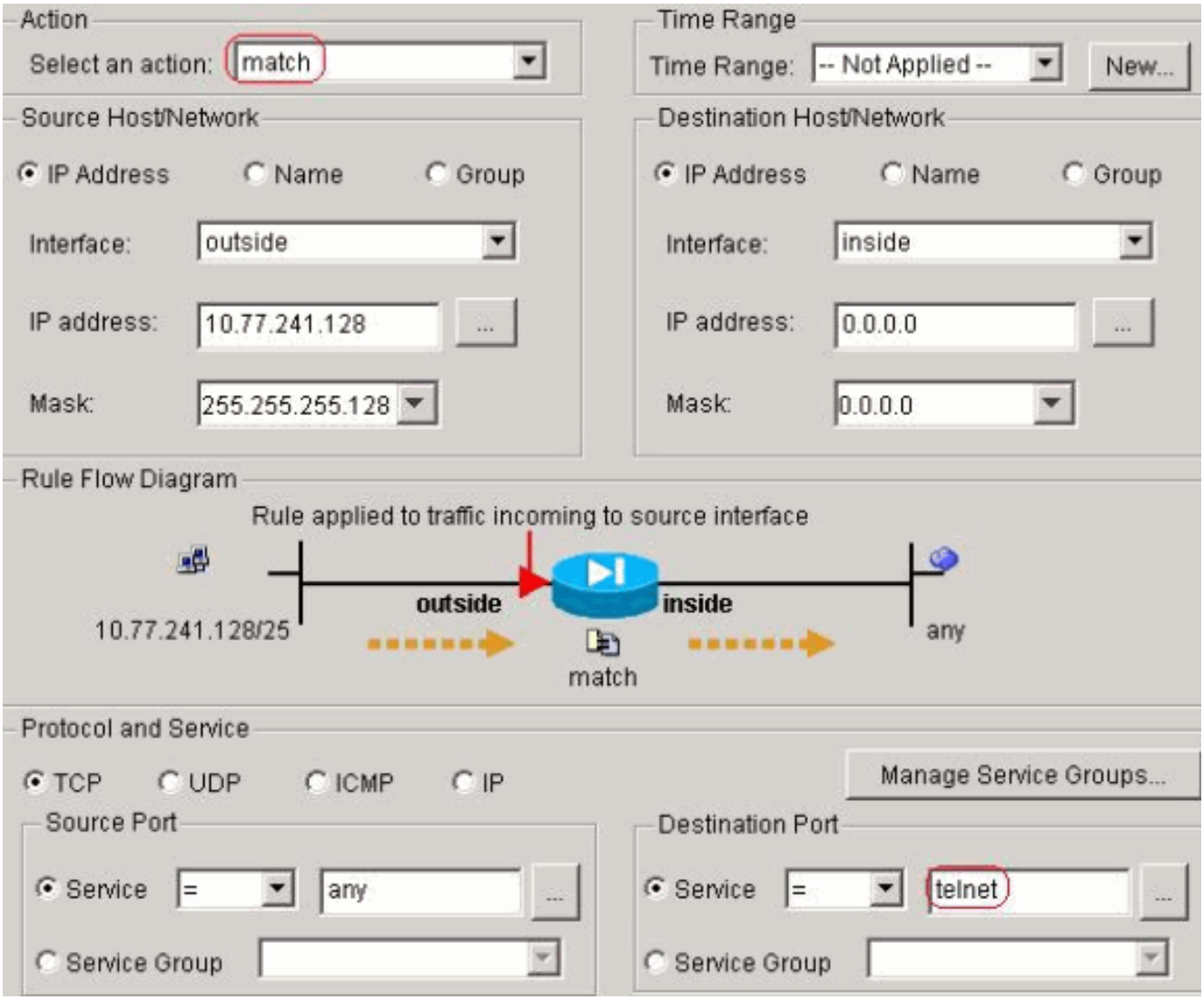
5. **Reglas de la política de servicio de la** configuración.Elija las **reglas de la directiva > de la política de servicio del > Security (Seguridad) de la configuración > Add** para configurar la correspondencia de la clase, correspondencia de políticas para configurar el descanso de conexión TCP como 10 minutos, y aplique la política de servicio en la interfaz exterior como se muestra.Elija el botón de radio de la **interfaz** para elegir el **exterior - (cree la nueva política de servicio)**, que debe ser creada, y asignar el **telnet** como el nombre de la directiva.



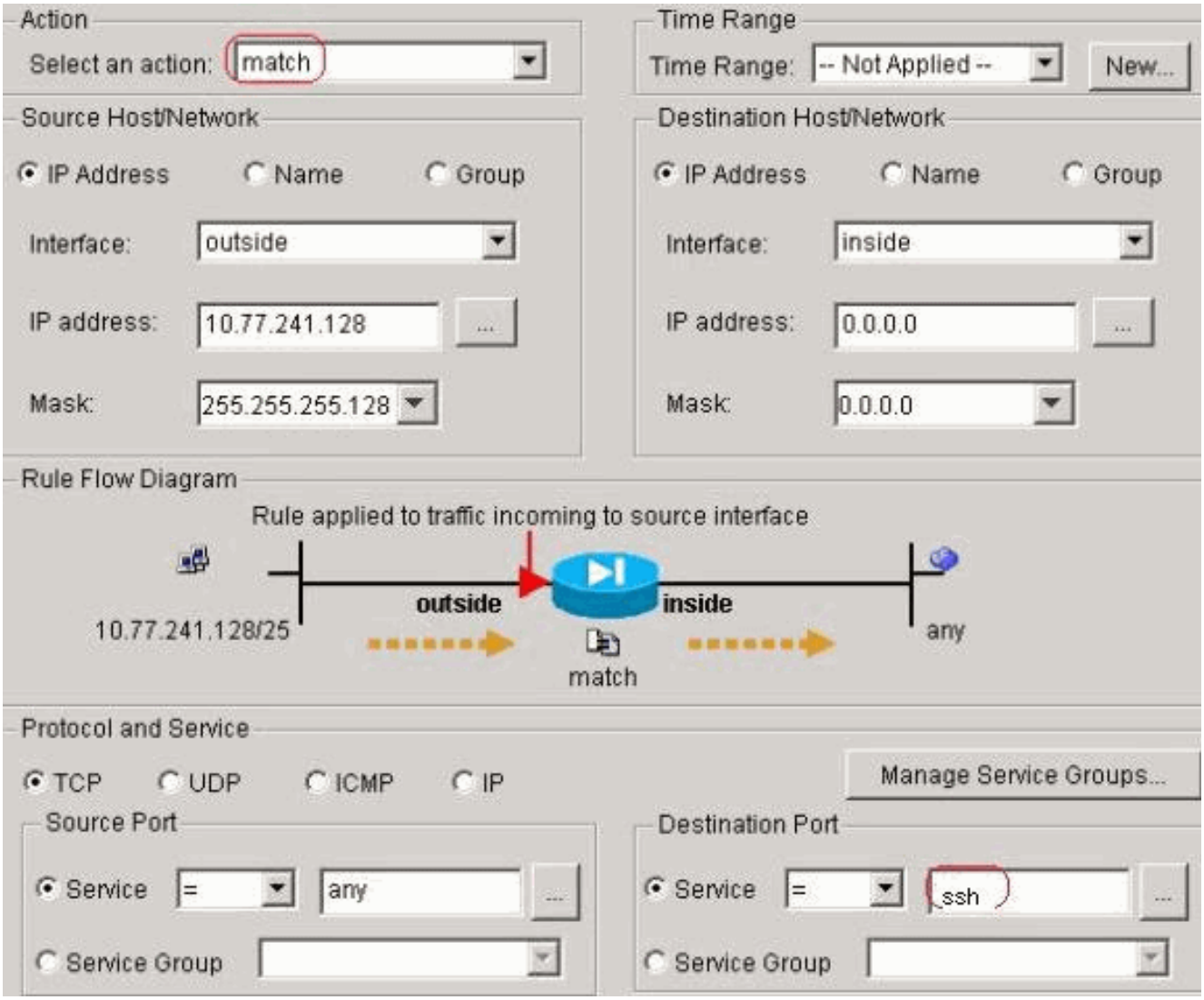
Haga clic en Next (Siguiente).Cree un **telnet del** nombre de asignación de la clase y elija la casilla de verificación del **IP Address de origen y de destino (aplicaciones ACL)** en los criterios de concordancia del
tráfico.

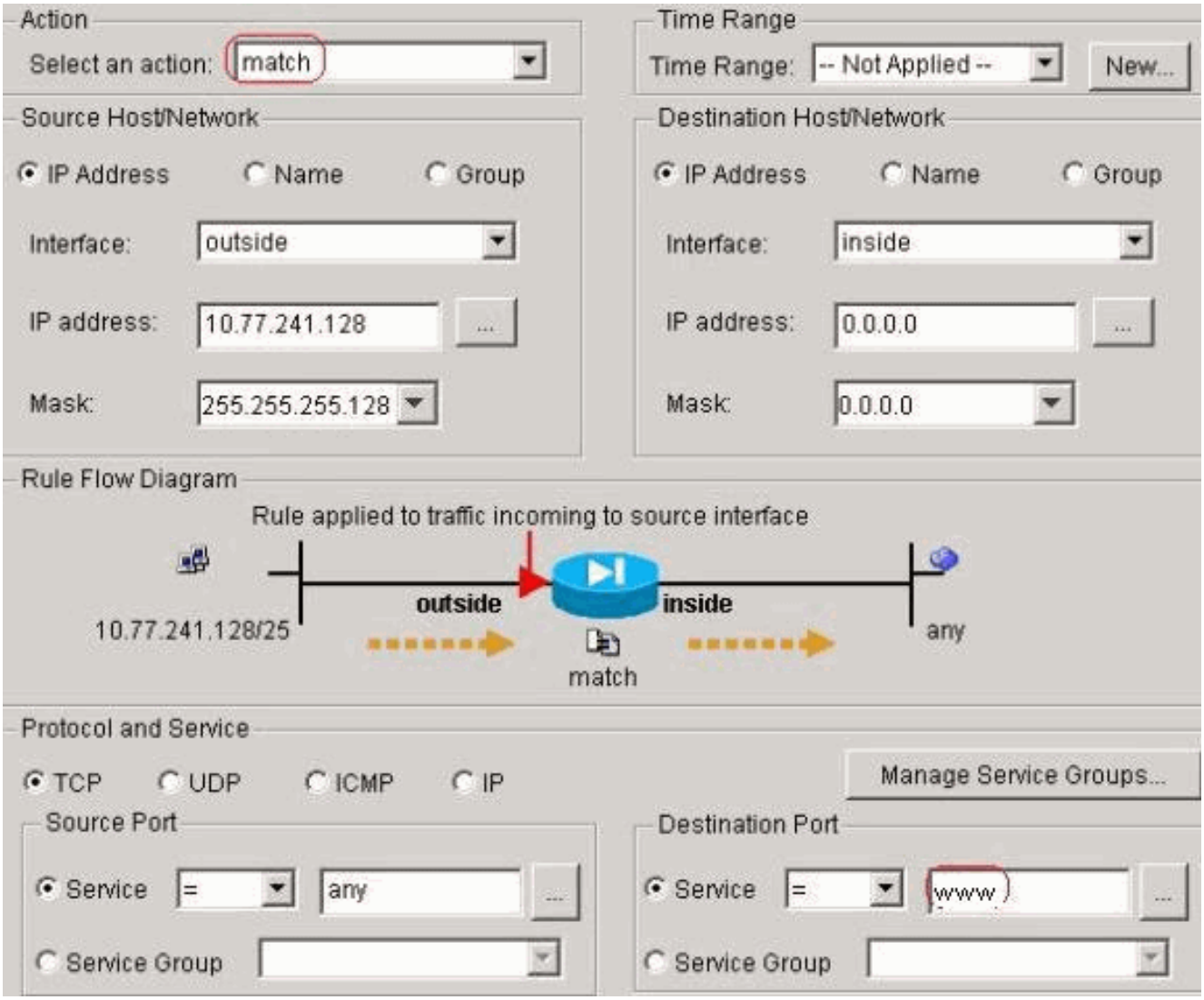


Haga clic en Next (Siguiente).Cree un ACL para hacer juego el tráfico de Telnet originado de la red 10.77.241.128/26 a cualquier red de destino y aplicarlo para clasificar el
telnet.

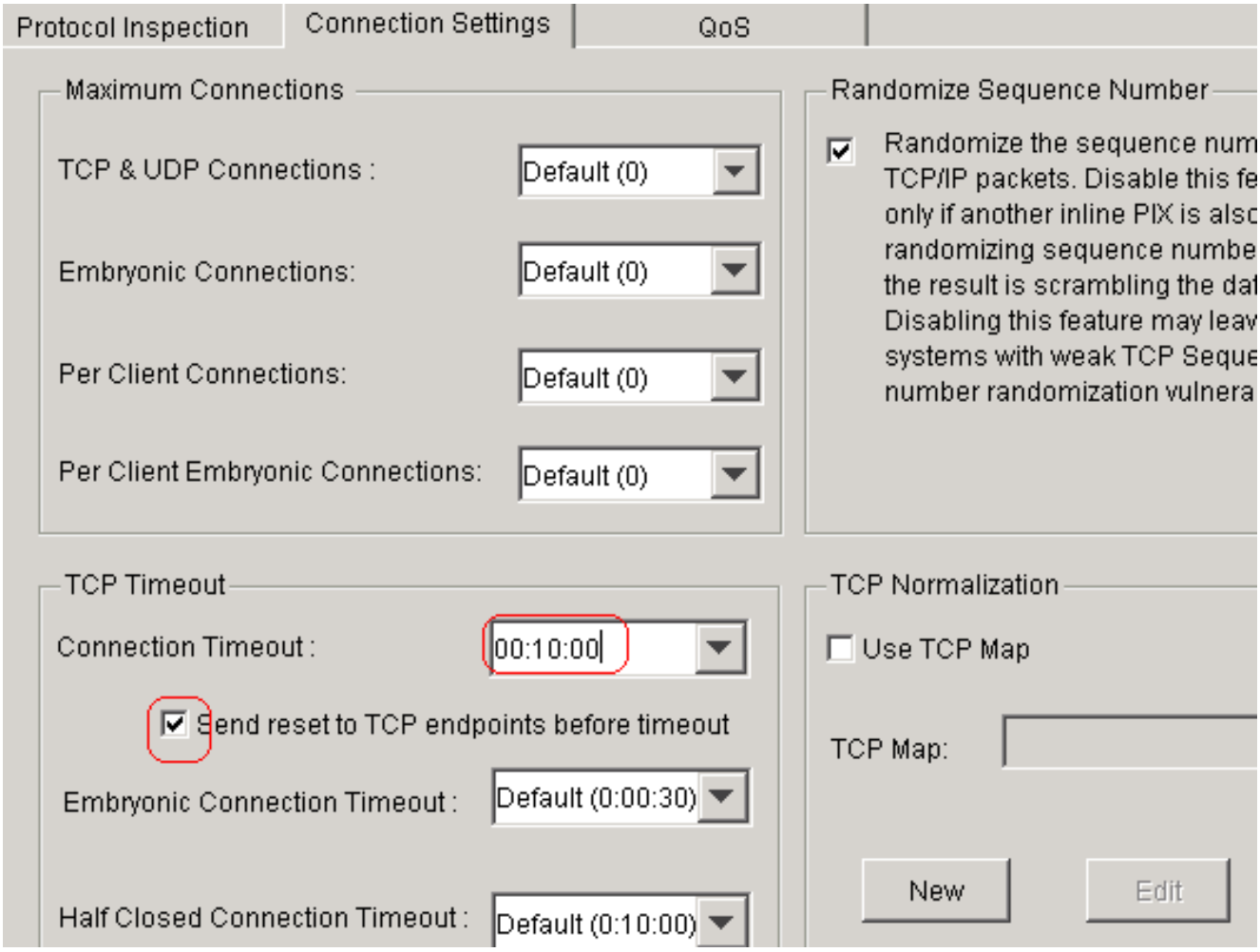


Haga clic en Next (Siguiente). Semejantemente para el ssh y el tráfico HTTP:

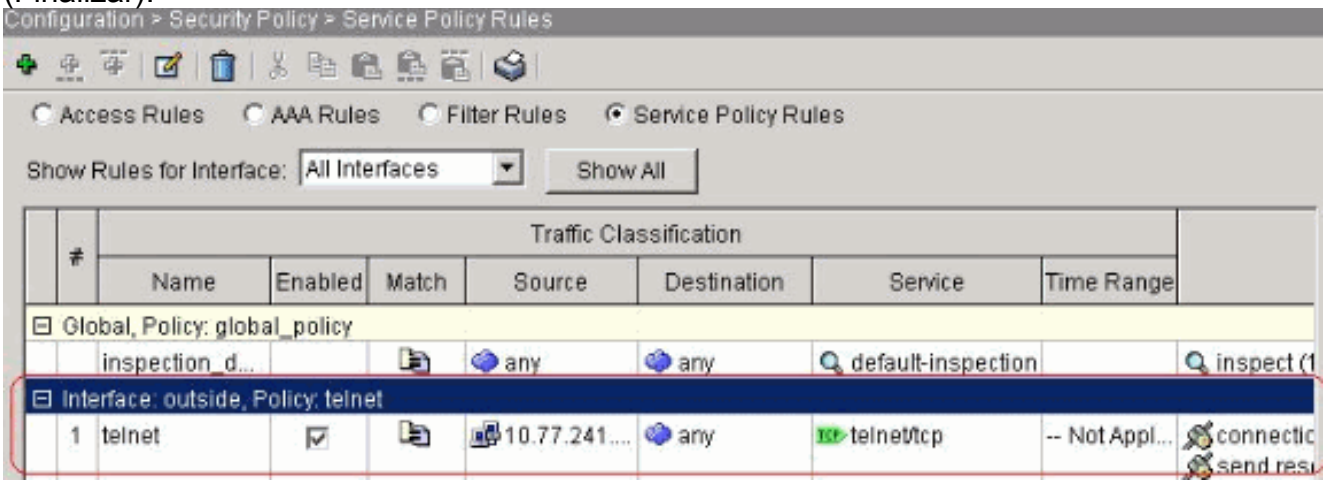

Action
Select an action: match
Time Range
Time Range: -- Not Applied --
New...
Source Host/Network
IP Address
Name
Group
Interface: outside
IP address: 10.77.241.128
Mask: 255.255.255.128
Destination Host/Network
IP Address
Name
Group
Interface: inside
IP address: 0.0.0.0
Mask: 0.0.0.0
Rule Flow Diagram
Rule applied to traffic incoming to source interface
10.77.241.128/25
outside
inside
any
match
Protocol and Service
TCP
UDP
ICMP
IP
Manage Service Groups...
Source Port
Service = any
Service Group
Destination Port
Service = ssh
Service Group



Elija las **configuraciones de la conexión** para configurar el descanso de conexión TCP como 10 minutos, y también elija el **envío reajustado a los Puntos finales de TCP antes de la** casilla de verificación del
descanso.



Haga clic en Finish (Finalizar).



Configuración CLI equivalente como se muestra:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
```

```
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in this example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq telnet
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you use Modular Policy Framework !--- to configure a security feature. !--- Assign the parameters to be matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
```

```
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.


policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in
this example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy
command to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

Descanso de Ebryonic

Una conexión embrionaria es la conexión que es media se abre o, por ejemplo, la entrada en contacto de tres vías no se ha completado para ella. Se define como tiempo de espera SYN en el ASA; por abandono el tiempo de espera SYN en el ASA es 30 segundos. Ésta es la manera de configurar el descanso embrionario:

```
PIX Version - 7.1(1)
!
hostname PIX
domain-name Cisco.com
enable password 8Ry2YjIyt7RRXU24 encrypted
names
!
interface Ethernet0
 nameif outside
 security-level 0
 ip address 192.168.200.1 255.255.255.0
!
interface Ethernet1
 nameif inside
 security-level 100
 ip address 10.77.241.142 255.255.255.192
!


access-list inside_nat0_outbound extended permit ip 10.77.241.128 255.255.255.192 any

!--- Define the traffic that has to be matched in the class map. !--- Telnet is defined in this
example. access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq telnet
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq ssh
access-list outside_mpc_in extended permit tcp host 10.77.241.129 any eq www
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq telnet
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq ssh
```

```
access-list 101 extended permit tcp 10.77.241.128 255.255.255.192 any eq www

pager lines 24
mtu inside 1500
mtu outside 1500
no failover
no asdm history enable
arp timeout 14400
nat (inside) 0 access-list inside_nat0_outbound
access-group 101 in interface outside

route outside 0.0.0.0 0.0.0.0 192.168.200.2 1
timeout xlate 3:00:00

!--- The default connection timeout value of one hour is applicable to !--- all other TCP
applications. timeout conn 1:00:00 half-closed 0:10:00 udp 0:02:00 icmp 0:00:02
timeout sunrpc 0:10:00 h323 0:05:00 h225 1:00:00 mgcp 0:05:00
timeout mgcp-pat 0:05:00 sip 0:30:00 sip_media 0:02:00
timeout uauth 0:05:00 absolute
no snmp-server location
no snmp-server contact
snmp-server enable traps snmp authentication linkup linkdown coldstart
telnet timeout 5
ssh timeout 5
console timeout 0
!

!--- Define the class map telnet in order !--- to classify Telnet/ssh/http traffic when you use
Modular Policy Framework !--- to configure a security feature. !--- Assign the parameters to be
matched by class map.


class-map telnet
 description telnet
  match access-list outside_mpc_in

class-map inspection_default
 match default-inspection-traffic
!
!
policy-map global_policy
 class inspection_default
  inspect dns maximum-length 512
  inspect ftp
  inspect h323 h225
  inspect h323 ras
  inspect netbios
  inspect rsh
  inspect rtsp
  inspect skinny
  inspect esmtp
  inspect sqlnet
  inspect sunrpc
  inspect tftp
  inspect sip
  inspect xdmcp

!--- Use the pre-defined class map telnet in the policy map.


policy-map telnet

!--- Set the connection timeout under the class mode in which !--- the idle TCP
(Telnet/ssh/http) connection is disconnected. !--- There is a set value of ten minutes in this
```

```
example. !--- The minimum possible value is five minutes. class telnet
  set connection timeout tcp 00:10:00 reset
!
!
service-policy global_policy global

!--- Apply the policy-map telnet on the interface. !--- You can apply the service-policy command
to any interface that !--- can be defined by the nameif command.

service-policy telnet interface outside
end
```

Verificación

Use esta sección para confirmar que su configuración funciona correctamente.

La herramienta Output Interpreter Tool (clientes registrados solamente) (OIT) soporta ciertos comandos show. Utilize el OIT para ver una análisis de la salida del comando show.

Publique el **comando show service-policy interface outside** para verificar sus configuraciones.

```
PIX#show service-policy interface outside

   Interface outside:
    Service-policy: http
     Class-map: http
      Set connection policy:
      Set connection timeout policy:
        tcp 0:05:00 reset
      Inspect: http, packet 80, drop 0, reset-drop 0
```

Publique el comando del flujo de la servicio-directiva de la demostración para verificar que el tráfico determinado hace juego las configuraciones de la política de servicio.

Esta salida de comando muestra un ejemplo:

```
PIX#show service-policy flow tcp host 10.77.241.129 host 10.1.1.2 eq 23

   Global policy:
  Service-policy: global_policy

Interface outside:
  Service-policy: telnet
    Class-map: telnet
      Match: access-list 101
        Access rule: permit tcp 10.77.241.128 255.255.255.192 any eq telnet
      Action:
        Input flow:  set connection timeout tcp 0:10:00 reset
```

Troubleshooting

Si usted encuentra que el tiempo de espera de la conexión no trabaja con el Marco de políticas modular (MPF), después marque la conexión del lanzamiento TCP. El problema puede ser una revocación del IP Address de origen y de destino o una dirección IP mal configurado en la lista de acceso no hace juego en el MPF para fijar el nuevo valor de agotamiento del tiempo o para

cambiar el tiempo de espera predeterminado para la aplicación. Cree una entrada de lista de acceso (fuente y destino) de acuerdo con el lanzamiento de conexión para fijar el tiempo de espera de la conexión con el MPF.

Información Relacionada

- Dispositivos de seguridad Cisco PIX de la serie 500
- Cisco ASA 5500 Series Adaptive Security Appliances
- Cisco PIX Firewall Software
- Referencias de Comandos de Cisco Secure PIX Firewall
- Avisos de campos de productos de seguridad (incluido PIX)
- Solicitudes de Comentarios (RFC)

Discusiones relacionadas de la comunidad del soporte de Cisco

La comunidad del soporte de Cisco es un foro para que usted haga y conteste a las preguntas, las sugerencias de la parte, y colabora con sus pares.

Refiera a los convenios de los consejos técnicos de Cisco para la información sobre los convenios usados en este documento.

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