

## Desise Richards on Pix Firewall

Written by Administrator

Sunday, 22 May 2011 20:53 - Last Updated Sunday, 22 May 2011 21:07

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### Denise Richards On The PIX Firewall!

#### RouterGod Celebrity Interview Series

#### Denise Richards on the PIX Firewall (Very Basic Configuration. Part 1)

Many of our readers are now pursuing the Cisco Security Specialist 1 certificate, and still others are simply wondering how to configure the mighty PIX Firewall. The PIX Firewall is without a doubt the way to secure enterprise networks. Used in conjunction with the IOS Firewall Feature Set (now known as Cisco Secure Integrated Software) running on a Cisco router, Cisco's security solution is far superior to weak software applications that run on Unix or NT.

RouterGod Online Magazine reporter John Riehl sought out beautiful Denise Richards to help us learn how to configure the PIX Firewall. John is a Cisco instructor and holds the CCSP and CISSP certificates. When not teaching Cisco, John likes to tell wild stories about his days in the circus where he was known as the Polish Invisible Man. When not being beautiful, Denise practices kickboxing and enjoys watching American Chopper on TV. Let's join JR as he interviews Denise about the PIX Firewall.

RFC 1918 Addresses are used to protect the innocent.

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With her hair up, Denise now meets the business casual dress code at most workplaces.

JR

Well hello Denise, thanks for agreeing to help us learn how to configure the PIX Firewall.

Denise

It's my pleasure Yuriy, let's cut right to the chase and talk about the PIX. The PIX is not a rout

JR

So the PIX is really just a couple of NIC cards?

Denise

Not so fast Comrade! The PIX uses the Adaptive Security Algorithm to perform Stateful Packet

JR

Oh My God! This sounds too complicated! Let's forget about it, maybe you should tell us how a

Denise

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Ha Ha! Don't be such a interface The PIX ethernet0 uses IP Address 192.168.1.1 outside 192.168.1.1

JR

Wow! You really know your PIX Firewalls!

Denise

What do you think, I'm just nat (inside) 1 0 0 0 0 0 0 0 configure the network and Address NAT translation must consist  
**nat (inside) 1 0 0 0 0 0 0 0**

The next step is to define the pool of global IP addresses. Let's say that you have the range 192.168.1.2-192.168.1.6  
**global (outside) 1 192.168.1.2-192.168.1.6 netmask 255.255.255.0**

Don't forget that the IP address of the PIX's outside interface cannot be in the pool of global addresses

JR

So now the users on the inside can get out. In a small network, how does the inside traffic that is destined

Denise

If it's a small network, like one subnet and no internal router, just configure all the workstations Default gateway

JR

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How do you do that? How does the PIX know where to forward packets for those networks that are

Denise

It's easy, you do it with a static route statement. Say the PIX is directly connected to the 10.1.1.0/24 network. You can add a static route inside the PIX to route traffic to the 10.1.1.0/24 network. The command is:

```
route inside 10.1.2.0 255.255.255.0 10.1.1.3
```

PIX Facts

PIX 535 - 500,000 Connections

PIX 525 - 280,000 Connections

PIX 515 - 125,000 Connections

JR

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OK, I see how inside traffic makes it to the PIX, but how does the PIX know what to do with the

Denise

You would configure a static default route, say the next hop router is at 192.168.1.254, the command is:  
**route outside 0.0.0.0 0.0.0.0 192.168.1.254**

JR

What if I have a web server inside at 10.1.1.7 but it is known globally with the legal address of

Denise

You would use a "static" to allow this translation from the outside to the inside, here's how:  
**static (inside, outside) 192.168.1.22 10.1.1.7**  
**conduit permit tcp host 192.168.1.22 eq 80 any**  
The static is not enough though, you have to expressly grant permission to use the Global address and not the local (inside) address.

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Believe it or not, that skirt retails for \$1200!

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