

Wednesday, February 3, 2010

Less known Solaris features - Persistent routes

When you work with the interesting features of Solaris, you forget about the small features in commands you use day by day. In my my IPMP tutorial i used an SMF script to make some host routes persistent ... at foremost to show you that SMF scripts are really easy. But, well ... this script isn't necessary because of the -p option of the route add command.

Using the -p command makes the route boot persistent:

```
jmoekamp@hivemind:~# route -p add -host 192.168.2.3 192.168.2.3 -static
```

```
add host 192.168.2.3: gateway 192.168.2.3
```

add persistent host 192.168.2.3: gateway 192.168.2.3At first the command tries to configure the route in the live system. When this step was successful, it makes the route boot persistent.

You can check the routes already made persistent by using the route -p show command:

```
jmoekamp@hivemind:~# route -p show
```

```
persistent: route add -host 192.168.2.3 192.168.2.3 -staticThe routes are written into the /etc/inet/static_routes
```

```
file:jmoekamp@hivemind:/etc/inet# cat static_routes
```

```
# File generated by route(1M) - do not edit.
```

```
-host 192.168.2.3 192.168.2.3 -staticEvery line that isn't empty or commented will be prepended with route add and executed at startup. The code responsible for this task is in the method script /lib/svc/method/net-routing-setup, which is used by the SMF service svc:/network/routing-setup.
```

Deletion of a persistent routes is easy, too. Just use the route delete command with a -p:

```
jmoekamp@hivemind:/etc/inet# route -p delete -host 192.168.2.3 192.168.2.3 -static
```

```
delete host 192.168.2.3: gateway 192.168.2.3
```

```
delete persistent host 192.168.2.3: gateway 192.168.2.3
```

Posted by Joerg Moellenkamp in English, Solaris, Sun/Oracle at 07:01

Nice tip. I prefer doing things like this myself, that is manipulating persistent configurations with commands instead of editing files. If the command works, it will work across a reboot.

I admit it was a little bit weird at first, but after a few years with AIX it comes natural.

Anonymous on Feb 3 2010, 19:04

This is the exact reason, why i prefer the Sun dhcp server over the ISC dhcp server ... you use command to manipulate the configuration as well.

Anonymous on Feb 3 2010, 19:31