

# Gateway reset on reboot (was: xnptd insane after reboot)

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**Date:** 05/18/05

Date: Wed, 18 May 2005 13:36:46 -0700  
To: aix-l@Princeton.EDU

Hi folks!

Sorry it's been so long for me to respond to this, I was told by the senior dude here that this would be fixed and I didn't have to worry about it. Apparently it's not fixed yet (I just rebooted this server and spent the next 15 minutes getting it back on the network) and the senior admin is out of the country for a couple of weeks, so I'm taking a crack at it. (I'm trying to set this old machine up as a internal DNS server as well as a time server, so I'd like to resolve this issue:).

Disclaimer: I don't know what I'm doing. OK, that may be a little drastic, but I'm not a studied AIX admin yet so please be a little patient with me.  
;-)

On Apr 7, 2005, at 9:02 PM, Bob Booth – CITES offered this insight:

```
>>  
>> Next question, why does this server (IBM E20 running AIX 5.1) keep  
>> resetting it's gateway on a reboot? Where *could* it be caching this  
>> old gateway value?  
>  
> How exactly is the gateway being set through smit? If done correctly,  
> the  
> gateway information is stored in the ODM and set when the machine  
> comes up.
```

smitty tcpip

Minimum Configuration & Startup

en2 (desired network interface; we also have en1 configured with a different address, but with the same issue)

new default gateway is set in the "Default Gateway" entry and I hit <enter> to make it happen.

Note at this point I usually have to flush the routing tables, as the

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old gateway is often littered throughout it.

```
>
> You can check what value is stored in the ODM to make sure it is
> correct:
>
> odmget -q name="inet0" CuAt
```

Gee, this gives me a bunch of stuff. Some of it looks right, but most of it looks just wrong. I show 26 entries similar to the following:

CuAt:

```
name = "inet0"
attribute = "route"
value = "net,-hopcount,5,,0,192.168.2.253"
type = "R"
generic = "DU"
rep = "s"
nls_index = 0
```

CuAt:

```
name = "inet0"
attribute = "route"
value = "net,-hopcount,0,,0,192.168.12.2"
type = "R"
generic = "DU"
rep = "s"
nls_index = 0
```

Above, the first example is just wrong (old network value), the second example shows the new (correct) gateway value.

Sorry, I just don't know what this means or how to deal with it. I can handle smitty OK and have man-handled the routing tables before, but here I feel like I'm drowning here (well over my head). I feel like I want to blast all these CuAt entries away and start over, but I don't know how to do that or if it would even fix my issue.

If there is a chapter in the docs I should be reading, please feel free to direct me there.

```
>
> If the gateway is correct, I bet someone went into one of the 'rc'
> files and
> created a 'route add default' statement somewhere.
>
> Let me know if I can assist further.
>
> bob
```

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Please? Some of these CuAt entries look right, but others are just pollution that needs to go away. Is there a way to make chdev remove these entries for me? I know I can add an entry that way, but how to delete one? I tried the following (as a guess) and it claimed to change inet0, but didn't find any joy with it (entry is still there!):

```
chdev -l inet0 -a routedetele=net,-hopcount,5,,0,192.168.2.253
```

Looking forward to enlightenment and learning something new ...

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An ASCII character walks into a bar. Bartender asks, "What'll you have?" ASCII character says, "Give me a double." Bartender asks, "Having a bad day?" ASCII character says, "Yeah, I have a parity error." Bartender says, "Hmmm. I thought you looked a bit off."