

Re: XP does not use WINS – Maybe a BUG in Name Resolution Process?

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You may want to use netdiag to check any errors.

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Networking, Internet, Routing, VPN Troubleshooting on

<http://www.ChicagoTech.net>

How to Setup Windows, Network, VPN & Remote Access on

<http://www.HowToNetworking.com>

"FB" <FB@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message

news:58727A1A-0011-4FC3-A7E9-13A3626F2C0D@xxxxxxxxxxxxxxxx

I have a customer with a strange problem: If, in XP, they try to do a reverse name resolution (PING –a xxx.xxx.xxx.xxx) of a name in the WINS database, the name resolution fails, but in Vista works

When someone try to resolve a name that DOES NOT exist in DNS Zone, the reverse resolution DON'T try via WINS, only Via Broadcasts and i could prove it, by monitoring with NetMon 3.1 and capturing no packets directed to WINS Servers to try to resolve the name. I could only capture DNS and after, Broadcast packets tryingo to resolve teh name.

PC1 – DNSRV1 – AD DNS Zone and WINS(–R) Records created

PC2 – WINSRV1 – WINS Server with a WINS Server and a Databse full of information

PC3 – XP clients pointing to DNSSRV1 and WINSRV1 in the TCP/Ip Settings

The environment, is a standard network, with XP, Vista Win2000, 2003

Servers, a AD 2003–based Domain with its default and common configurations

1) The DNS and WINS are integrated (there is a WINS and WINS–R DNS Records created poiting to WINS Servers (WINS Record) and poiting to the AD domain name (WINS–R record) in the Reverse lookup Zone

2) The XP (and Vista) workstations have TCP/IP are configure via DHCP with Hybrid Node option (0x8) and default NetBIOS settings

3) The Serevrns are configured with the correct TCP/IP Settings (DNS and WINS

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Servers)

Why the reverse name resolution is not working? Why in Vista works perfectly? The customer will deploy an application that checks the XP host name (not present in DNS, only in WINS) via Reverse name resolution after receive a IP connection and needs to correctly identify the XP to allow the connection

To have the XP in DNS database is out of question, the customers want to use the name resolution process as stated in the general documentation of the product (After DNS Cache, Hosts, DNS, try NetBios Cache, WINS (FIRSTS), Broadcast (AFTER) and LMHOSTS)