

RE: Multiple pointer entry`s for pc`s

Source:

<http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2005-10/msg00188.html>

- *From:* v-kzhao@xxxxxxxxxxxxxxxxxxxxxxxx (Ken Zhao [MSFT])
 - *Date:* Thu, 27 Oct 2005 06:11:48 GMT
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Hello,

Thank you for using newsgroup!

Based on my knowledge, Pointer (PTR) RRs are used to support the reverse lookup process, based on zones created and rooted in the in-addr.arpa domain. These records are used to locate a computer by its IP address and resolve this information to the DNS domain name for that computer.

As far as I know, PTR RRs can be added to a zone in several ways:

1. You can manually create a PTR RR for a static TCP/IP client computer using the DNS, either as a separate procedure or as part of the procedure for creating an A RR. For related information, please refer to this article: Add a pointer (PTR) resource record to a reverse zone
<<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/ServerHelp/16f563ee-5658-42f9-877e-7fae65026af1.mspx>>
2. Computers use the DHCP Client service to dynamically register and update their PTR RR in DNS when an IP configuration change occurs.
3. All other DHCP-enabled client computers can have their PTR RRs registered and updated by the DHCP server if they obtain their IP lease from a qualified server. The Windows 2000 and Windows Server 2003 DHCP Server service provides this capability.

The pointer (PTR) resource record is used only in reverse lookup zones to support reverse lookup. For more information, you may refer to see Resource records reference from the following link:

<<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/ServerHelp/7b005a9b-4397-4d94-a584-34c037e2457c.mspx>>

To delete pointer record, you may use the following command in command line:
dnscmd /recorddelete 10.168.192.in-addr.arpa 112 PRT /y
deletes pointer record --> 10.192.168.112

Delete a resource record from a zone

<<http://www.microsoft.com/technet/prodtechnol/windowsserver2003/library/ServerHelp/7b005a9b-4397-4d94-a584-34c037e2457c.mspx>>

RE: Multiple pointer entry`s for pc`s

erHelp/9b561e1b-9a0d-43e5-89a8-9daf07afac0d.msp>

More reference:

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Using DNS servers with DHCP

<http://www.microsoft.com/windows2000/en/server/help/default.asp?url=/windows2000/en/server/help/sag_DHCP_imp_InteroperabilityDNS.htm>

246804: How to enable or disable DNS updates in Windows 2000 and in Windows Server 2003

<http://support.microsoft.com/kb/246804/en-us>

816592: How to configure DNS dynamic updates in Windows Server 2003

<http://support.microsoft.com/default.aspx?scid=kb;en-us;816592>

Thanks & Regards,

Ken Zhao

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| Thread-Topic: Multiple pointer entry`s for pc`s
| thread-index: AcXaLZnNV8Ns0oH2Sk2P8ltsehYg8g==
| X-WBNR-Posting-Host: 212.79.172.242
| From: "?=?Utf-8?B?UmV4IEtyZW1lcg==?" <rex@xxxxxxxxxxxxxx>
| Subject: Multiple pointer entry`s for pc`s
| Date: Wed, 26 Oct 2005 06:03:03 -0700
| Lines: 20
| Message-ID: <E332E926-CCA2-4297-AF94-00D8876E7BBB@xxxxxxxxxxxxxx>
| MIME-Version: 1.0
| Content-Type: text/plain;
| charset="Utf-8"
| Content-Transfer-Encoding: 7bit
| X-Newsreader: Microsoft CDO for Windows 2000
| Content-Class: urn:content-classes:message
| Importance: normal
| Priority: normal
| X-MimeOLE: Produced By Microsoft MimeOLE V6.00.3790.0
| Newsgroups: microsoft.public.win2000.dns

RE: Multiple pointer entry`s for pc`s

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| NNTP-Posting-Host: TK2MSFTNGXA03.phx.gbl 10.40.2.250
| Path: TK2MSFTNGXA01.phx.gbl!TK2MSFTNGXA03.phx.gbl
| Xref: TK2MSFTNGXA01.phx.gbl microsoft.public.win2000.dns:14491
| X-Tomcat-NG: microsoft.public.win2000.dns

| Hi,

| i noticed the the reverse entries for the client pc`s are double or more
in

| the dns.

| The primary dns server is in the root domain. (e.g. domain.org)

| The secondary zone is in a child domain where all client pc`s (and users
accounts) are.(test.domain.org).

| Dhcp is configured in the root domain and in the child domain.

| Dhcp Options

| Automatically update client information in dns

| DHCP update only if dhcp client request

| The clients are windows 2000 and windows xp.

| Why are the pointers double in dns and how can we avoid this?

| regards

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- Prev by Date: [*setting up a secondary dns on the a w2k3 dc*](#)
 - Next by Date: [*RE: DNS Server entries within Event Viewer is empty*](#)
 - Previous by thread: [*setting up a secondary dns on the a w2k3 dc*](#)
 - Next by thread: [*Re: Multiple pointer entry`s for pc`s*](#)
 - Index(es):
 - ◆ [*Date*](#)
 - ◆ [*Thread*](#)