

## RE: Permissions

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Hi Ilene,

Thank you for the posting again. As you described, it can access any and all files from the DC from domainb. It's when you try to connect to the DC in DomainC that exhibit the problem. You received a message that no logon servers are available to service the logon request.

Based on your description and our further research, it appears the WINS database does not have the proper domain registrations for pass-through authentication. This problem occurs most often in environments where the administrator has created a two-way trust between two previously independent domains. Most often, there are WINS servers in each domain and the WINS servers do not replicate their databases to each other.

To resolve this problem:

- Allow WINS dynamic registration. This ensures that Domain Controllers register their DOMAIN<1C> NetBIOS names with the WINS Server.
- Make certain that WINS database replication is successful between WINS Servers. Missing database entries for domain names may indicate Problems with the WINS Servers and replication.

To work around this problem:

NOTE: Microsoft does not recommend using static mappings in the WINS database for WINS enabled computers.

1. Run the WINS Administration Utility to add static mappings for the Domain<1C> registrations (of the trusted domain) that are not listed in the WINS database:

Name: Master DOMAIN Name  
IP Address: Address of the Primary Domain Controller (PDC) of the domain  
Type: Domain Name

If you are logged on as an administrator at a Domain Controller, remote administration works now successfully. If you are attempting to remotely administer the domain while logged on to a Server (not a domain controller) or Windows NT Workstation, you must add DOMAIN<1C> entries for both the trusted and trusting domains.

To remotely administer a trusted domain, several pass-through authentication steps must take place. If the WINS database does not have the proper domain registrations, the pass-through authentication fails.

For example, a trust is established between DOMAIN\_A and DOMAIN\_B. Server PDC\_A is in DOMAIN\_A and PDC\_B is in DOMAIN\_B. DOMAIN\_A is the trusted (master) domain, and DOMAIN\_B is the resource (trusting) domain. To establish this trust relationship, the following NetBIOS names must be resolved to IP addresses, either through WINS or broadcast:

NetBIOS Name Description of Use of Name

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DOMAIN\_A<1B> PDC\_B uses this to query the PDC of DOMAIN\_A  
PDC\_A<00> PDC\_B uses this to set up a session with the PDC of  
DOMAIN\_A  
DOMAIN\_A<1C> PDC\_B uses this to get DC list of DOMAIN\_A

With these three names being registered, and if your account has administrator privileges, the trust can be established and the message "The trust relationship was established successfully" appears. When you reboot the computer, or the first time you attempt remote administration, another NetBIOS name is needed:

NetBIOS Name Description of Use of Name

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DOMAIN\_A<1C> Each Domain Controller in DOMAIN\_B uses this name to establish a secure channel with a Domain Controller in the trusted domain.

The Domain Controller (DC) in the trusting domain attempts to create a secure channel with any DC in the trusted domain by making a multicast logon request to the NetBIOS name DOMAIN\_A<1C>. This logon request is part of a process that creates a Secure Channel between the two DCs. The logon ID in this logon request is the inter-domain trust account for the trusting domain, DOMAIN\_B\$. If there is no registration for DOMAIN\_A<1C> in the WINS database the error message STATUS\_NO\_LOGON\_SERVERS is returned to the call. The message "There are currently no logon servers available" is then returned to the user.

Hope the above information and suggestion helps and answers your question. If anything is unclear, please let me know.

Sincerely,

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