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☐ Select☒ **TIP:** Click [help](#) for a detailed explanation of this page.[Bookmark](#)[Go to End](#)**Subject: Oracle Clients Cannot Resolve Service Names in AD After OracleContext is Created****Doc ID: Note:361528.1****Type: PROBLEM****Last Revision Date: 07-JUL-2006****Status: REVIEWED****In this Document**[Symptoms](#)[Cause](#)[Solution](#)**Applies to:**Oracle Net Services - Version: 9.2.0 to 10.2.0  
Microsoft Windows (32-bit)**Symptoms**

After successfully creating an OracleContext and adding a Net Service name via NetMgr, client applications still cannot use AD to resolve their service name.

ORA-12154 : TNS could not resolve the connect identifier specified

An anonymous search using ldapsearch against the OracleContext fails, but when the search is performed with credentials it retrieves the data.

**Cause**

Read access for anonymous users not enabled on the Oracle Context

Oracle clients connect to all directories, including AD, as an anonymous user.

**Solution**

Granting anonymous read access

1. Open Active Directory Users and Computers.
2. Make sure "View Advanced Features" is checked.
3. Navigate to the object you want to expose it's information and double click it.
4. Go to Security tab and click Add button.
5. Type in " ANONYMOUS LOGON" and acknowledge the dialog.

In the ACL you will notice that now " ANONYMOUS LOGON" has access to some property sets of

the  
computer object .

Now you probably need to grant at least "List Contents" permission to the "ANONYMOUS LOGON" on the  
OU the object, you are querying for, resides in.

1. In Active Directory Users and Computers, right-click the OU the object is located in and choose Properties.
2. Click the Security tab and click advanced.
3. Click the Add button and in the dialog that opens type in "ANONYMOUS LOGON".
4. Acknowledge the dialog. This will open a new dialog window.
5. Tick List Contents.

Please check this with the AD Administrator.

## Errors

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[ORA-12154](#) "TNS:could not resolve service name"

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