



TECH NOTE

READ ONLY ACCESS to MS DNS

Introduction

This tech note is intended to be used when the requirement is to have Read-Only Access to the Microsoft DNS Server data by using a non-Admin AD user account.

User Creation

A non-administrator Active Directory user created on the Domain Controller is required to grant Infoblox Grid read-only access to the MS DNS server data.

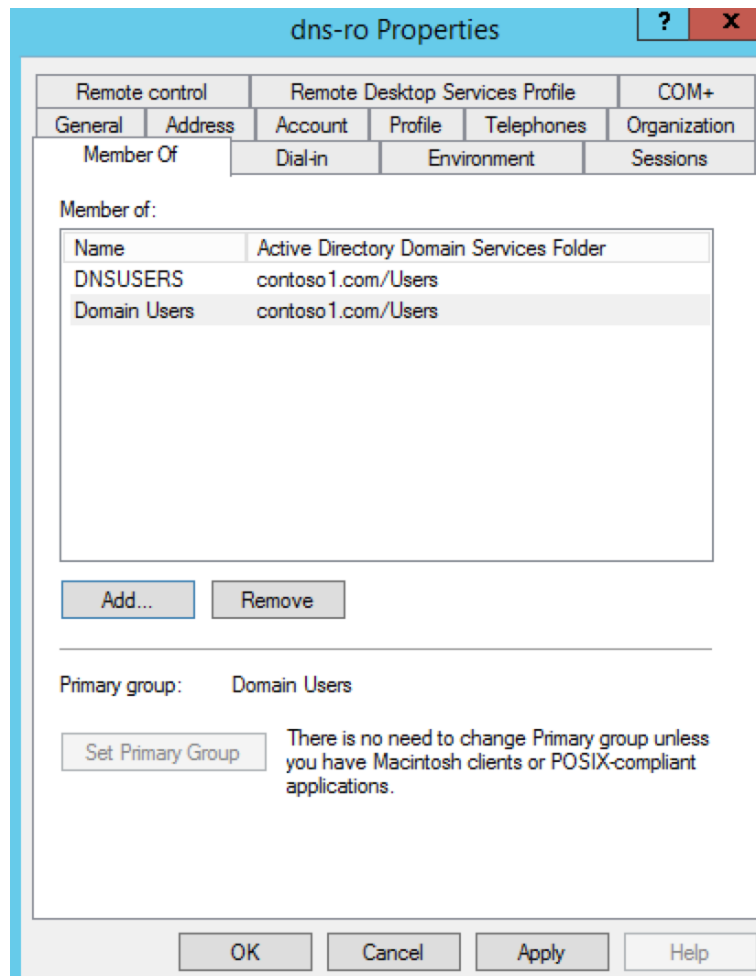
Open **Active Directory Users and Computers**

Create new user account

In our example we have a user named **dns-ro** and by default it is part of Group **Domain Users**.

Create a new Security group **DNSUSERS**

Add the new user to security group **DNSUSERS**

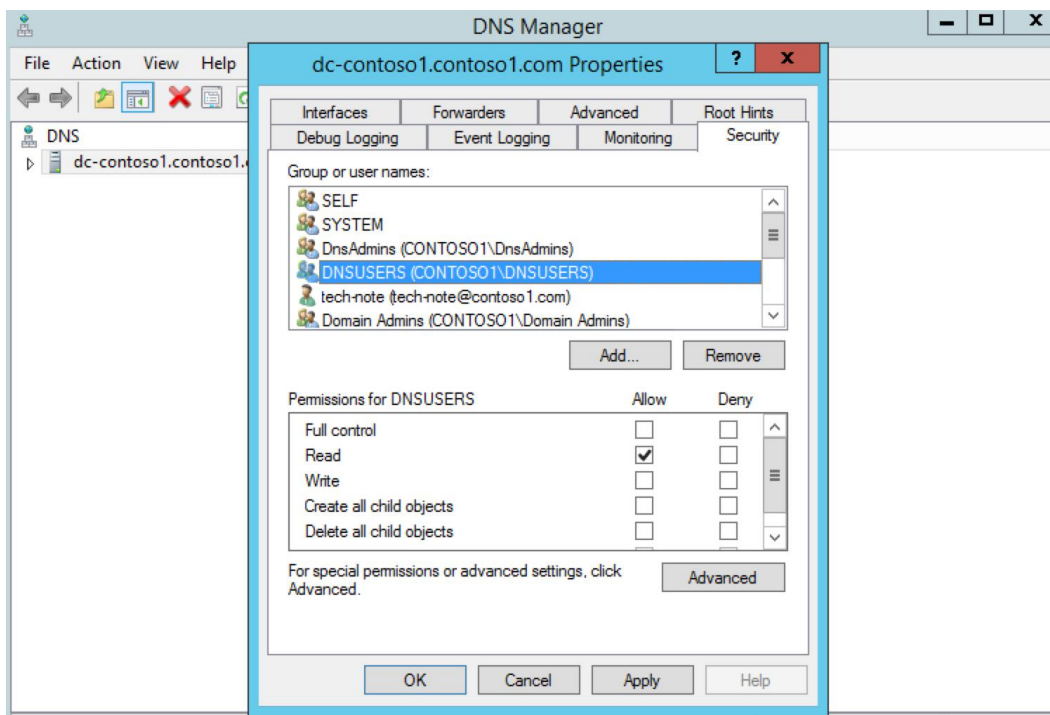


Microsoft DNS Server Security Configuration

Open DNS Manager Management Console to the DNS Server whose data is to be synced in read only mode.

Right Click on DNS Server and select **Properties**

Click on **Security tab**



Click on **Add** and select the **DNSUSERS** group

Give **Read** Access to the **DNSUSERS** group

Click **OK**

Infoblox Configuration

To sync MS DNS data, do the following,

Go to **Grid -> Microsoft Servers**

Click on **+** to add new server

Click **DNS and DHCP Services** checkbox (under Which features do you want to configure?)

Select **Managing Member**

Specify **Synchronization interval** (recommended 5 minutes)

Enter credentials for user account created above

Set Logging Level to **High**

Add Microsoft Server(s) Wizard > Step 1 of 3

Select settings for all the servers that you are currently adding

Which features do you want to configure ?

- ☐ Network Users
- ☒ DNS and DHCP Services
- ☐ Active Directory Sites

General Settings

Credentials to connect to the Microsoft server(s)

Domain\username*

Password

Managing Member

☐ None

☒ ns1.contoso1.com

Minimum synchronization interval* minutes

Logging level

Logging output destination

Inherited from Grid Infoblox

Comment

Click **Next**

Add Microsoft Server(s) Wizard > Step 2 of 4

Select your across-server settings for DNS and DHCP Services

☒ Use general credentials (from first page of wizard)

Credentials to connect to DNS and DHCP Services

Domain\username

Password

☒ Use general synchronization interval (from first page of wizard)

Minimum synchronization interval* minutes

Manage DNS and DHCP services in

Check following option;

Use general credentials (from first page of wizard)

Use general synchronization interval (from first page of wizard)

Select **Read-only** mode

Click **Next**

<input type="checkbox"/>	Name or IP Address	DNS Sync	DHCP Sync	DNS Monitor & Control	DHCP Monitor & Control
<input checked="" type="checkbox"/>	10.60.31.148	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Inherited from Grid Override	Inherited from Grid Override

Add IP Address of MS DHCP Server and check **DNS Sync** checkbox (repeat if more than one server)

Click **Save & Close**

Monitor MS Management logs for sync activity

Note: Microsoft Server will show as **RED** in the Microsoft Servers list as access has not been granted to the Service Control Manager to allow control of the MS DNS service.