DEPLOYMENT GUIDE

Infoblox Data Import Wizard

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Introduction

With the constant evolution of datacenters and customers migrating to Infoblox, there is a need for a simple automated way of moving across the data from existing systems.

Solution

The Data Import Wizard allows users to migrate from legacy systems to the Infoblox Grid.

It can import DNS, DHCP, and TFTP data from a legacy server. The wizard can either import the data to an Infoblox appliance or it can parse data without connecting to an appliance. This helps in reviewing the data before importing it.

Formats Supported

The wizard can import DNS data in the following formats:
BIND 9, BIND 8, BIND 4, Microsoft DNS, Lucent VitalQIP and Nortel NetID.

It can import DHCP data in the following formats:
ISC DHCP, Microsoft DHCP, Lucent VitalQIP, and Nortel NetID.

It can also parse and import an IPAM (IP address management) data file in CSV (Comma Separated Value) format.

This deployment guide will walk you through importing data from Miscrosoft DNS/DHCP and BIND 9.

Prerequisites

Before you begin, make sure you have the following:

- Java installed on the legacy systems that you are running the Data Import Wizard on. You can download the latest version of java from here.
- To import data to an appliance or grid master, the wizard must be able to connect to the appliance and log in with a superuser name and password.
- To import DNS data through a zone transfer, you must configure the legacy DNS server to allow zone transfers to the Infoblox appliance before initiating a zone transfer through the wizard. You must also have the name or IP address of the name server that stores the DNS records.
- To parse data or import it other than through a zone transfer, the data must be accessible through the local network.

Deployment

Installation

To install the Data Import Wizard,

1. Navigate to this link onto the legacy system, and select the version based on the NIOS version. In this guide, we use a NIOS 8.4 appliance.

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Data Import Wizard

OVERVIEW

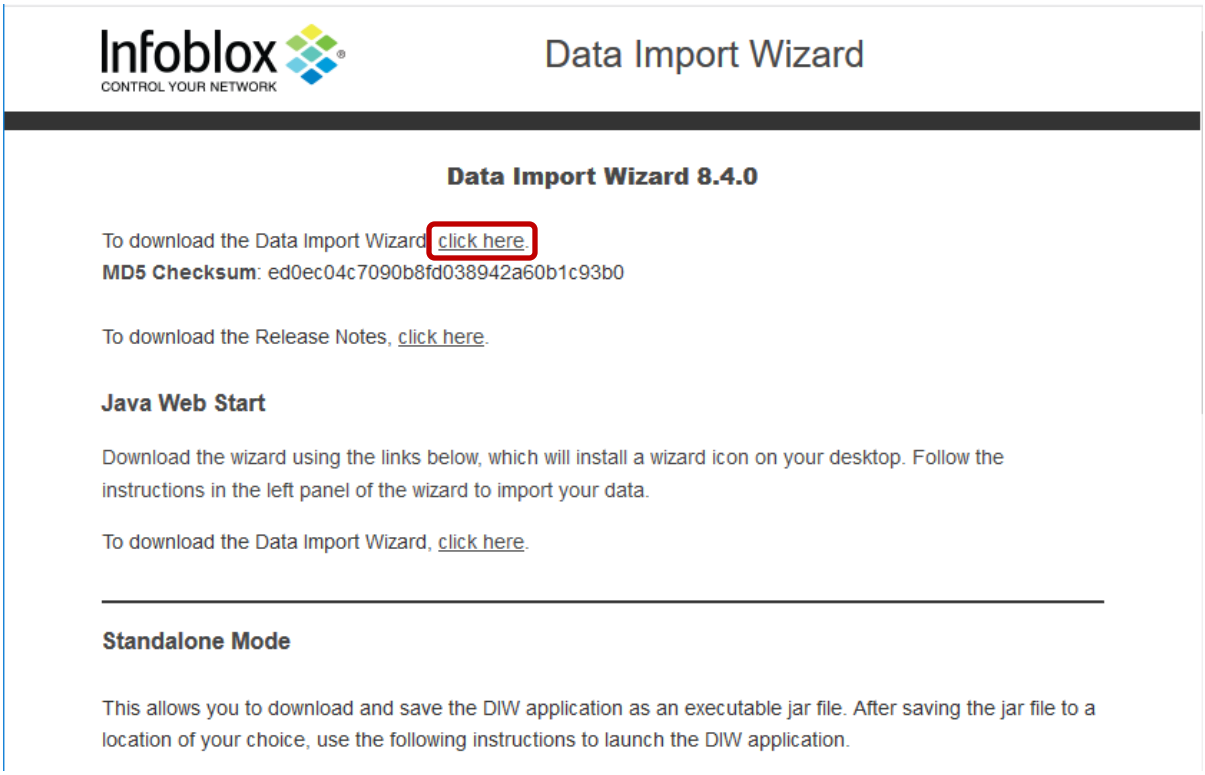
The Data Import Wizard is a tool designed to help Infoblox® personnel and partners import DNS and DHCP data from legacy systems to an Infoblox appliance or Grid providing DNS, DHCP and/or IPAM services.

The Data Import Wizard can be deployed either as a Java Web Start application or as a Standalone jar file.

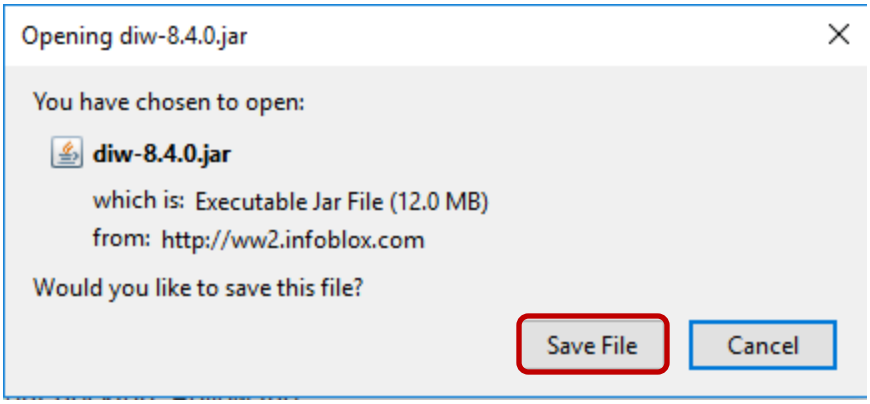
Please review table below to select compatible DIW release.

DIW Release	Compatible NIOS Releases
Download DIW 8.4.x	8.4.x
Download DIW 8.3.x	8.3.x - 8.1.x
Download DIW 8.0.x	7.2.x - 8.0.x
Download DIW 7.1.x	6.11.x - 7.1.x
Download DIW 6.10.x	6.8.x - 6.10.x
Download DIW 6.7.x	6.7.x

2. On the newly opened link, click on the first **click here** option.



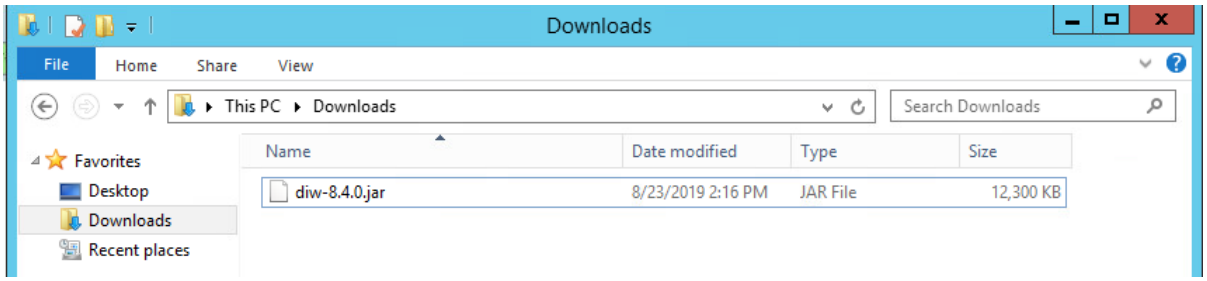
3. In the pop-up, click on the **Save File** option.



Import Data from Microsoft Server

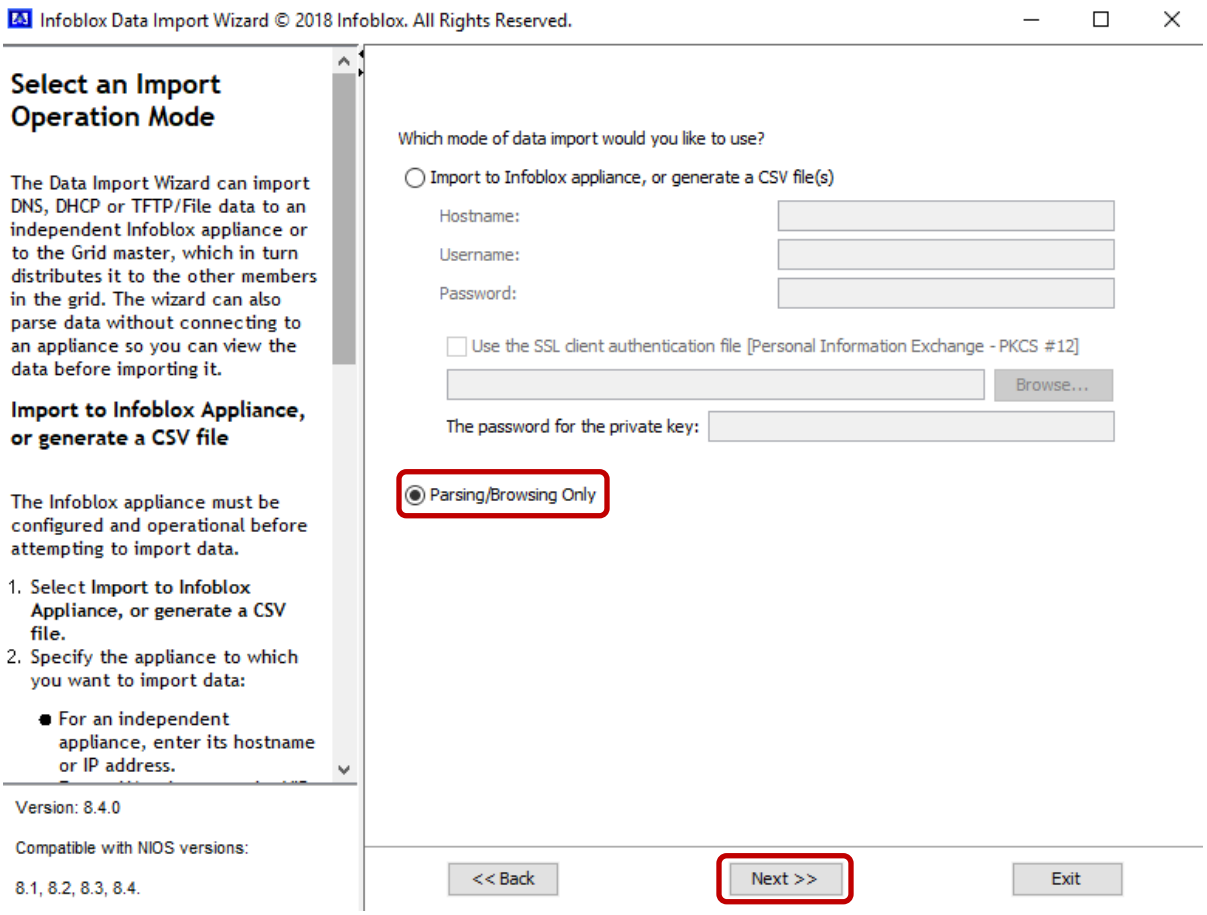
Browse data from the legacy system

1. Navigate to your file manager and double-click on it to launch the downloaded file.

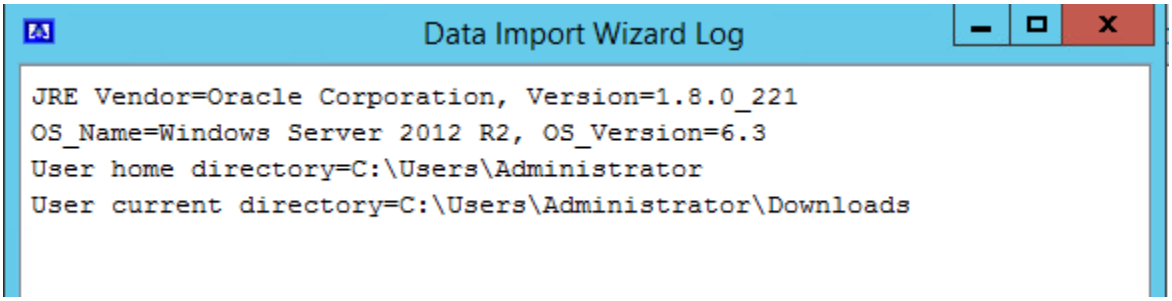


2. This will open the Data Import Wizard.
3. Click on **Next**

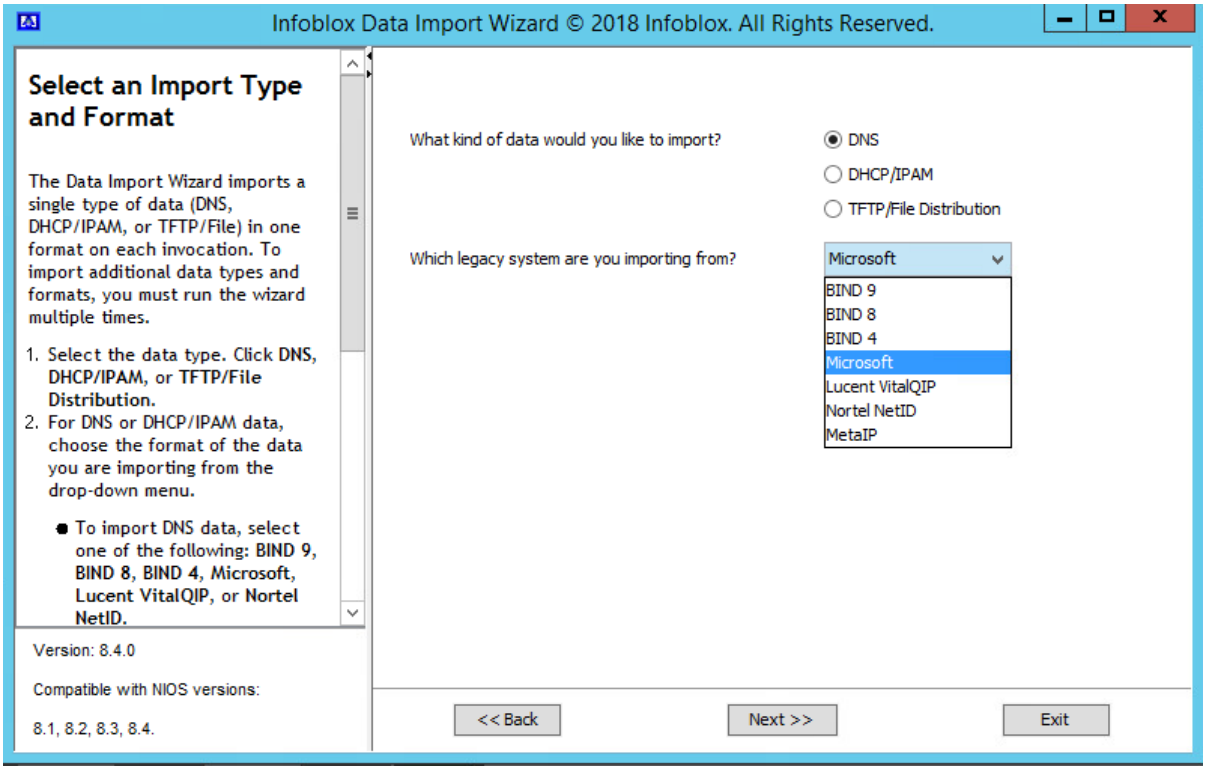
4. Select the **Parsing/Browsing Only** option and click on **Next**



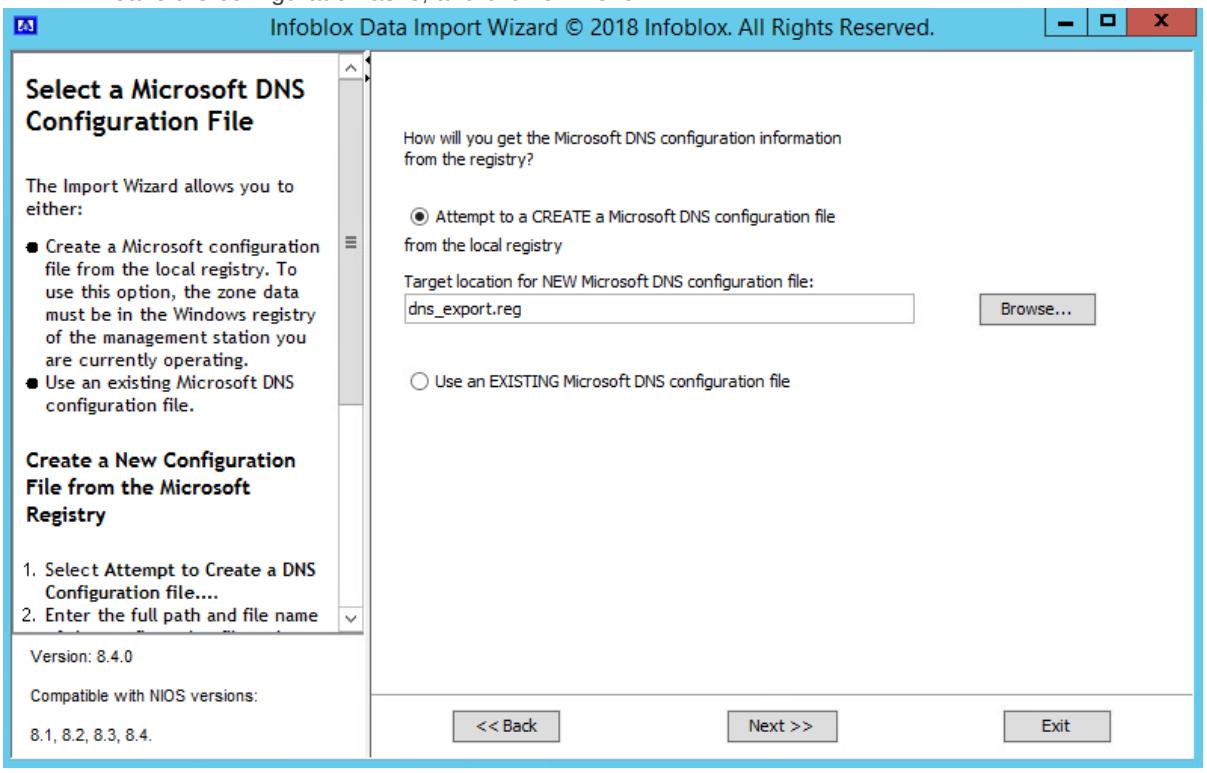
5. This opens up a logging window.



6. On the main wizard, select **DNS** for data to Import and **Microsoft** as the system you are importing from and click on **Next**



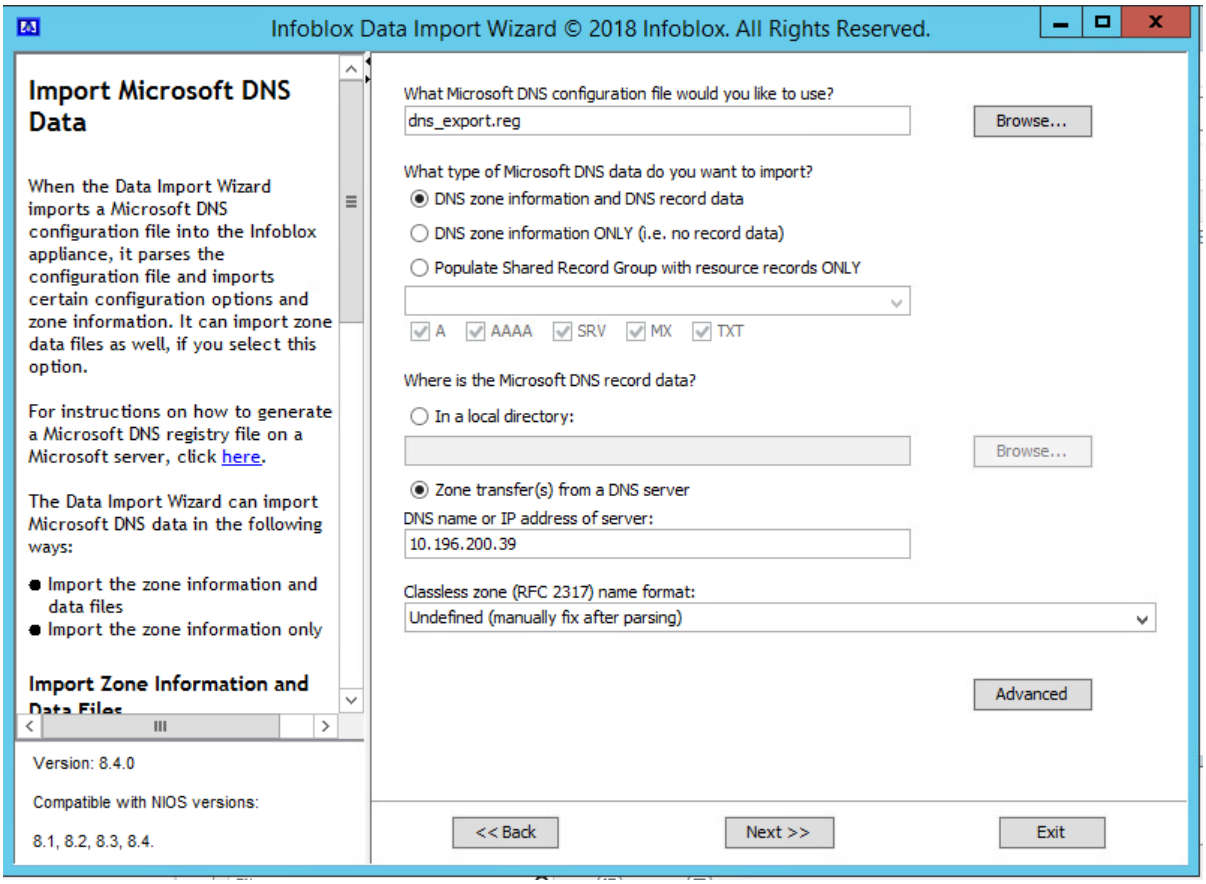
7. Leave the configuration as is, and click on **Next**



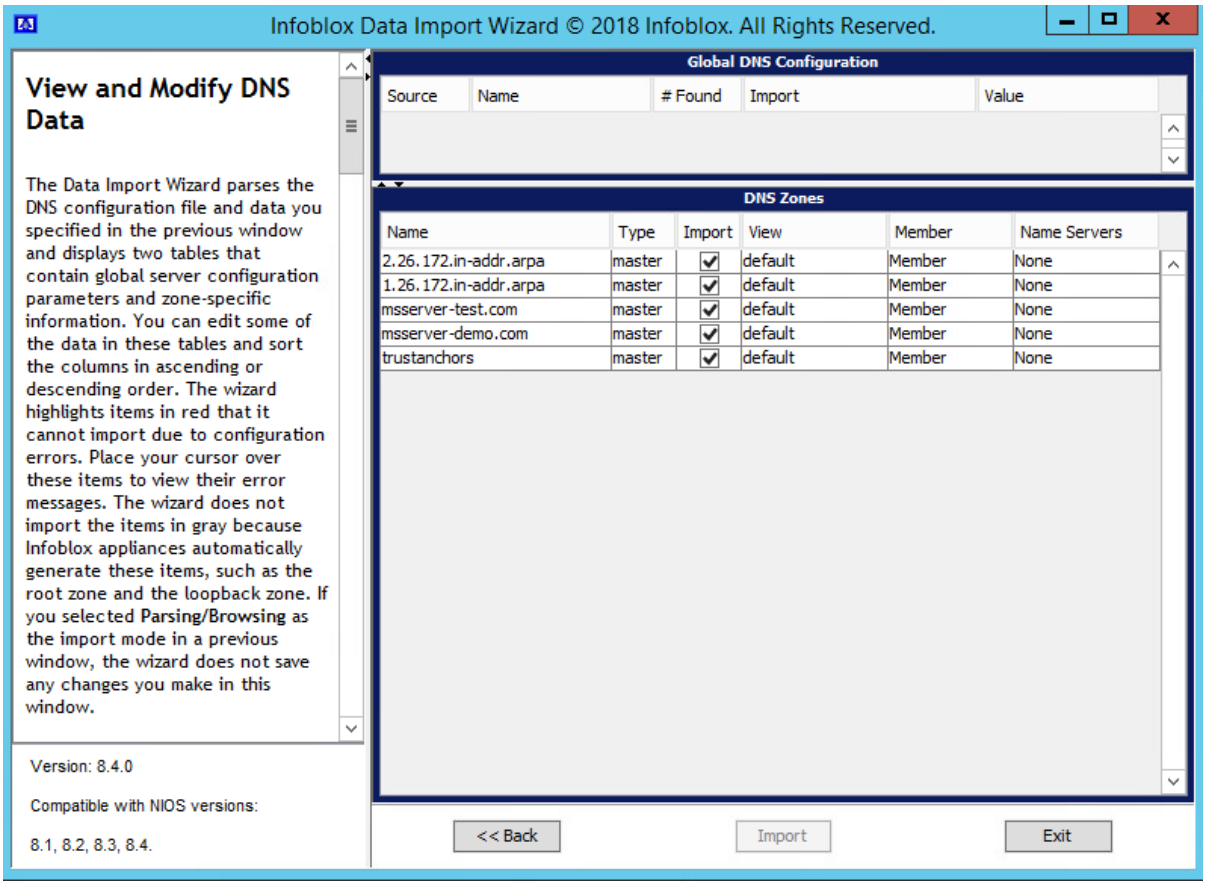
8. Review the configuration on the next screen, make necessary changes
    a. To get the Microsoft DNS Configuration file,
        i. Click **Start → Run**.

ii. In the Run dialog box, type **cmd**, and then click **OK**.
iii. At the prompt, type the following for each type of server:
    1. For Microsoft 2000 and 2003, type:
       regedit /e dns_export.reg "HKEY_LOCAL_Machine\SOFTWARE\Microsoft\Windows NT\CurrentVersion\DNS Server\Zones"
    2. For Microsoft NT, type:
       regedit /e dns_export.reg "HKEY_LOCAL_Machine\SYSTEM\CurrentControlSet\Services\DNS\Zones"
iv. If the server has Registry Editor version 5.0 or above, you can also use the Export function to export the DNS data from the following location: **HKEY_LOCAL_Machine\SOFTWARE\Microsoft\Windows NT\CurrentVersion\DNS Server\Zones**.

9. In this guide, we use zone transfers from a Microsoft DNS Server. Enter the respective DNS server.



10. Click on **Next**.
11. The next screen displays all the zones hosted on the Microsoft Server.



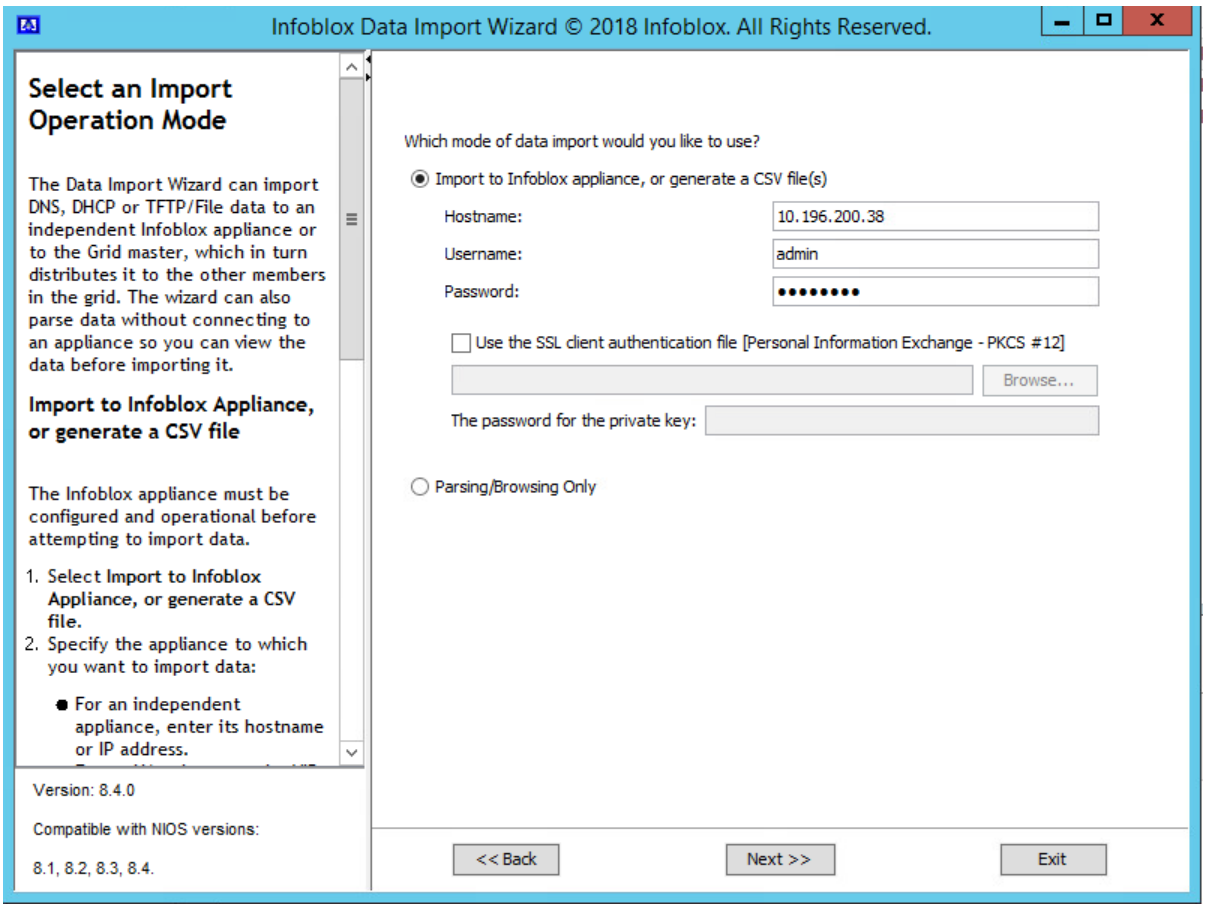
12. Once you have verified the data, click on **Exit**

Import DNS data

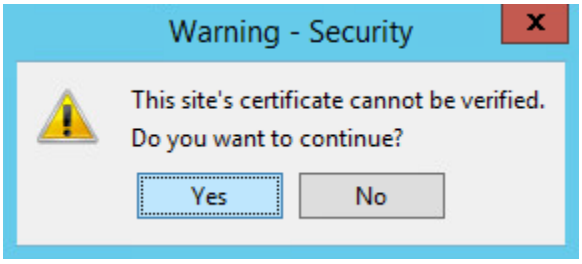
1. Launch the Data Import Wizard.

2. Click on **Next**

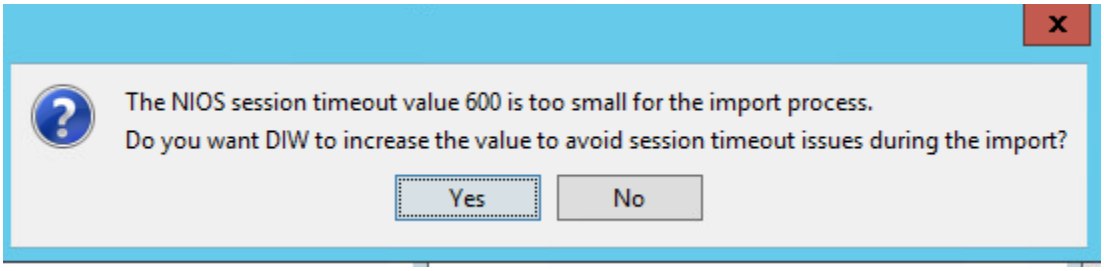
3. Enter the details of the Infoblox Grid Master and its credentials.
4. Click on **Next**



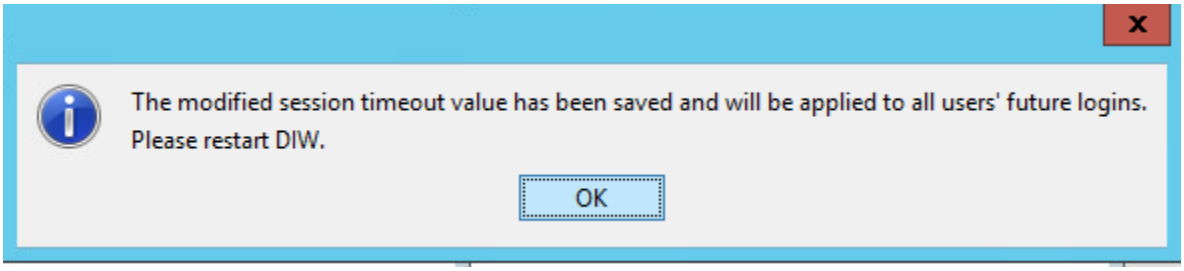
5. You might get a security warning. Click on **Yes**



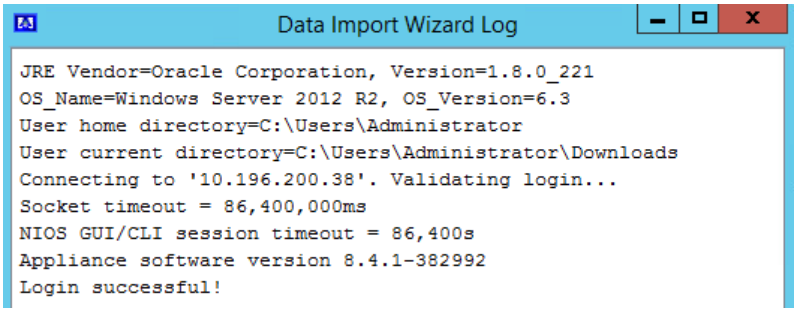
6. You will get a request to change the grid timeout. Click on **Yes**



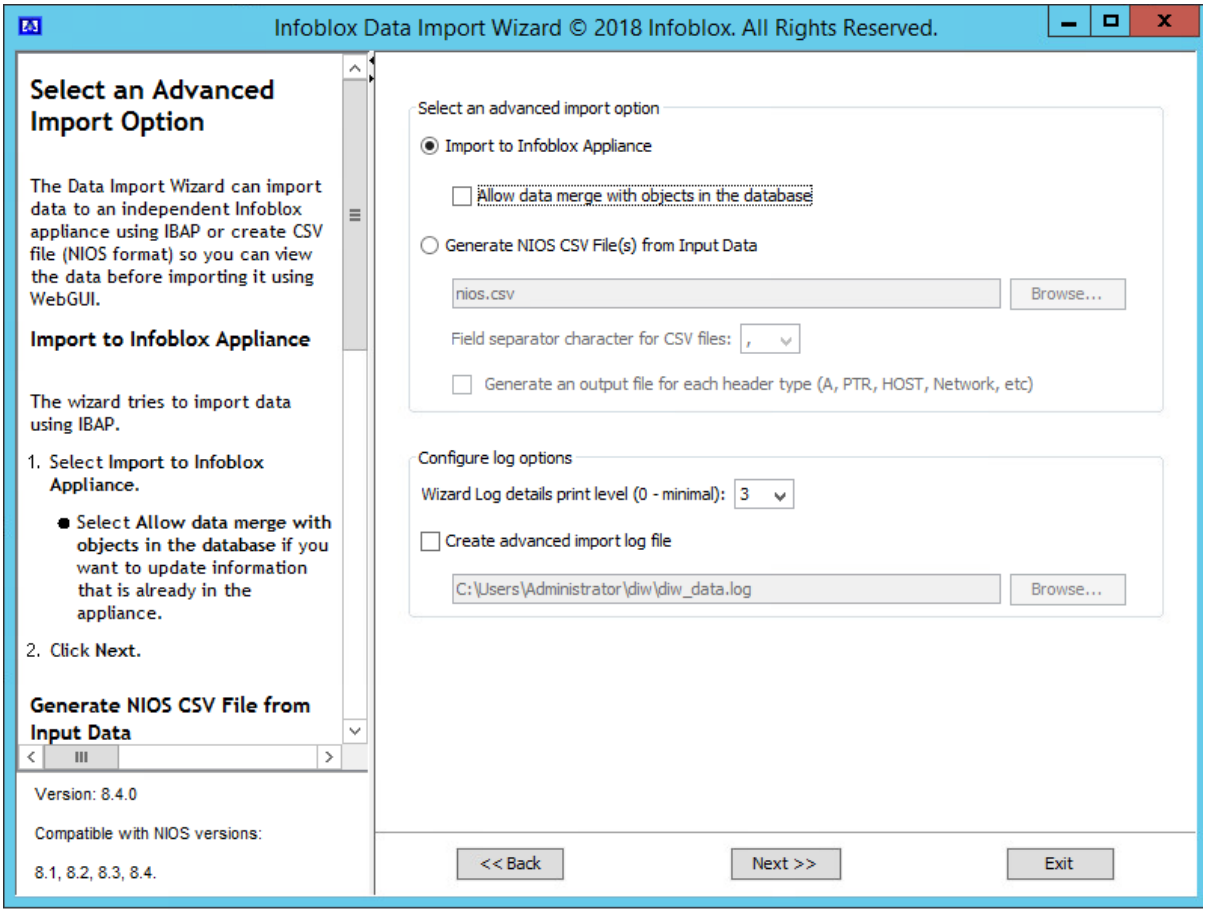
7. Click on **OK**



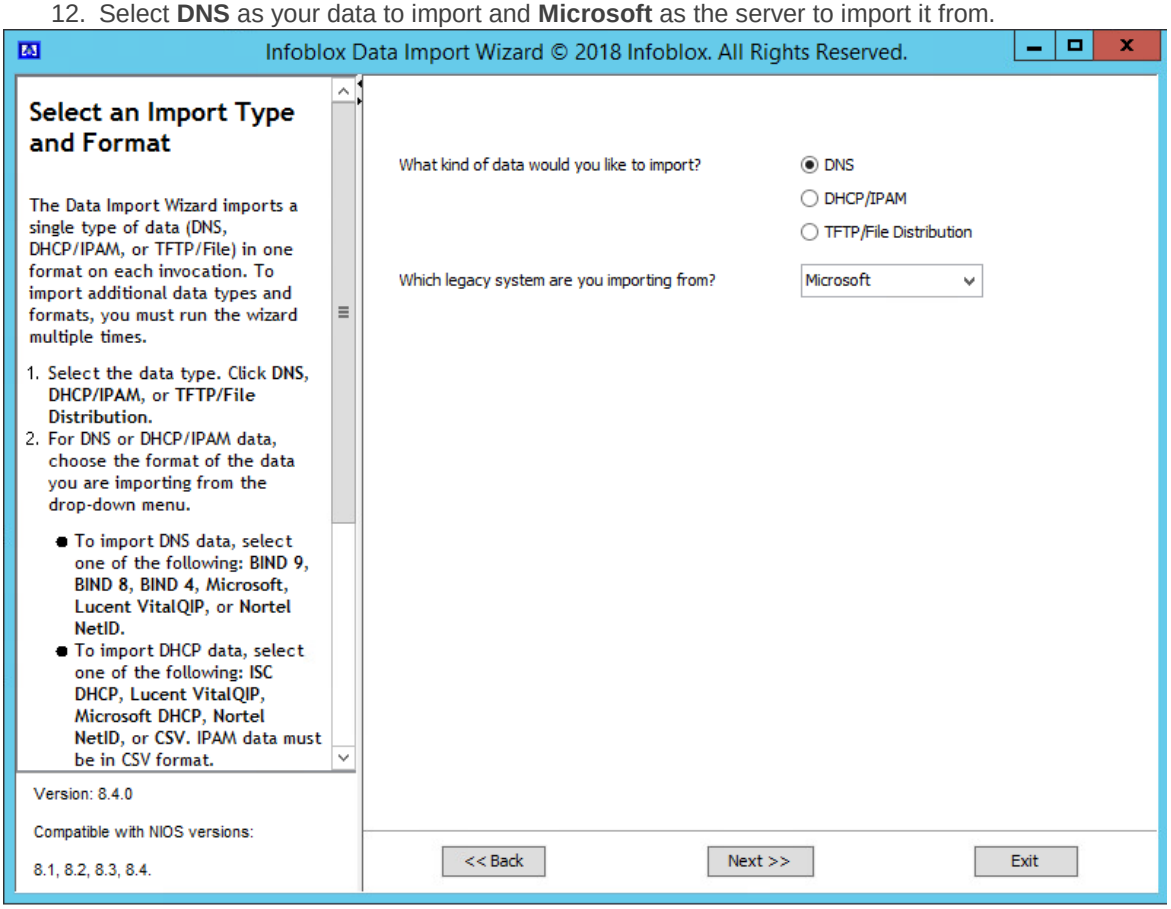
8. Close the wizard and relaunch it.
9. Re run steps 1 to 5.
10. This opens up a logging window



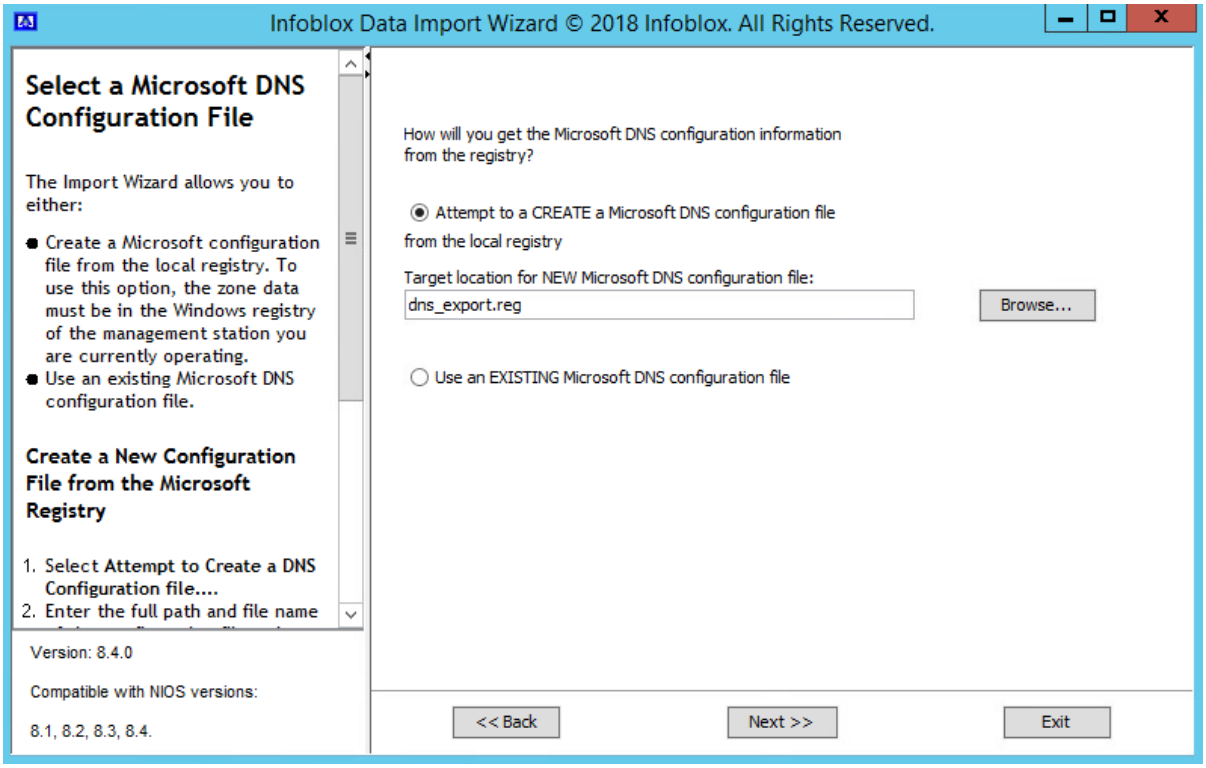
11. On the main wizard, review the options and click on **Next**.



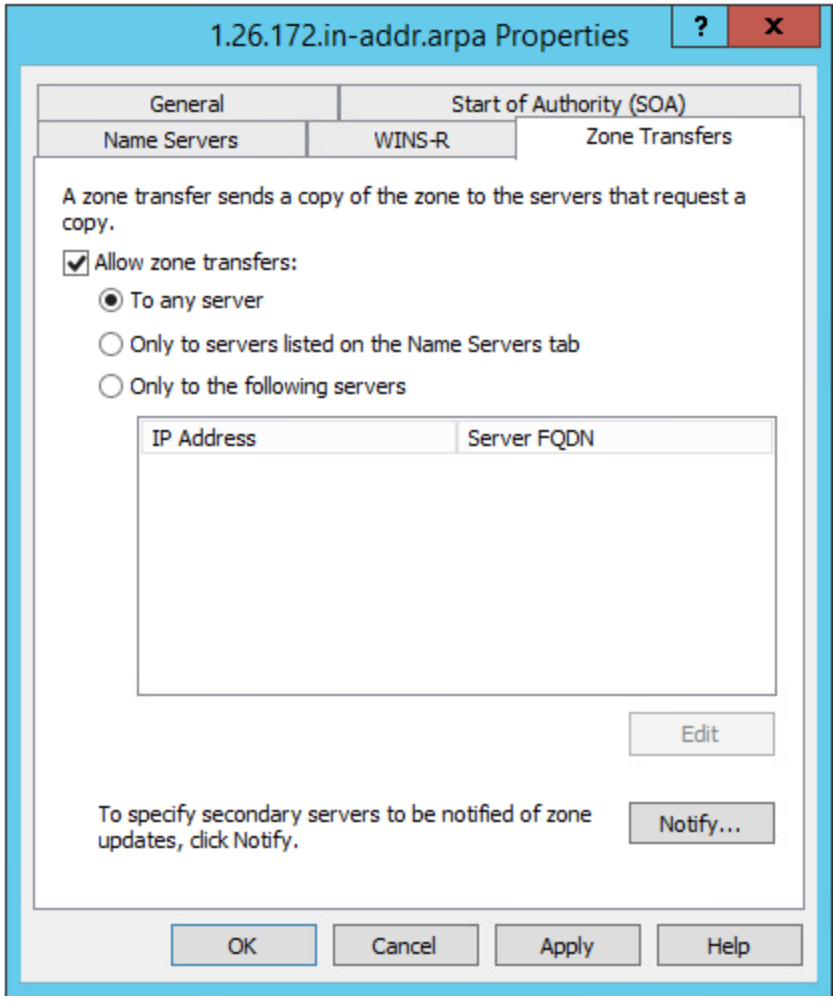
12. Select **DNS** as your data to import and **Microsoft** as the server to import it from.

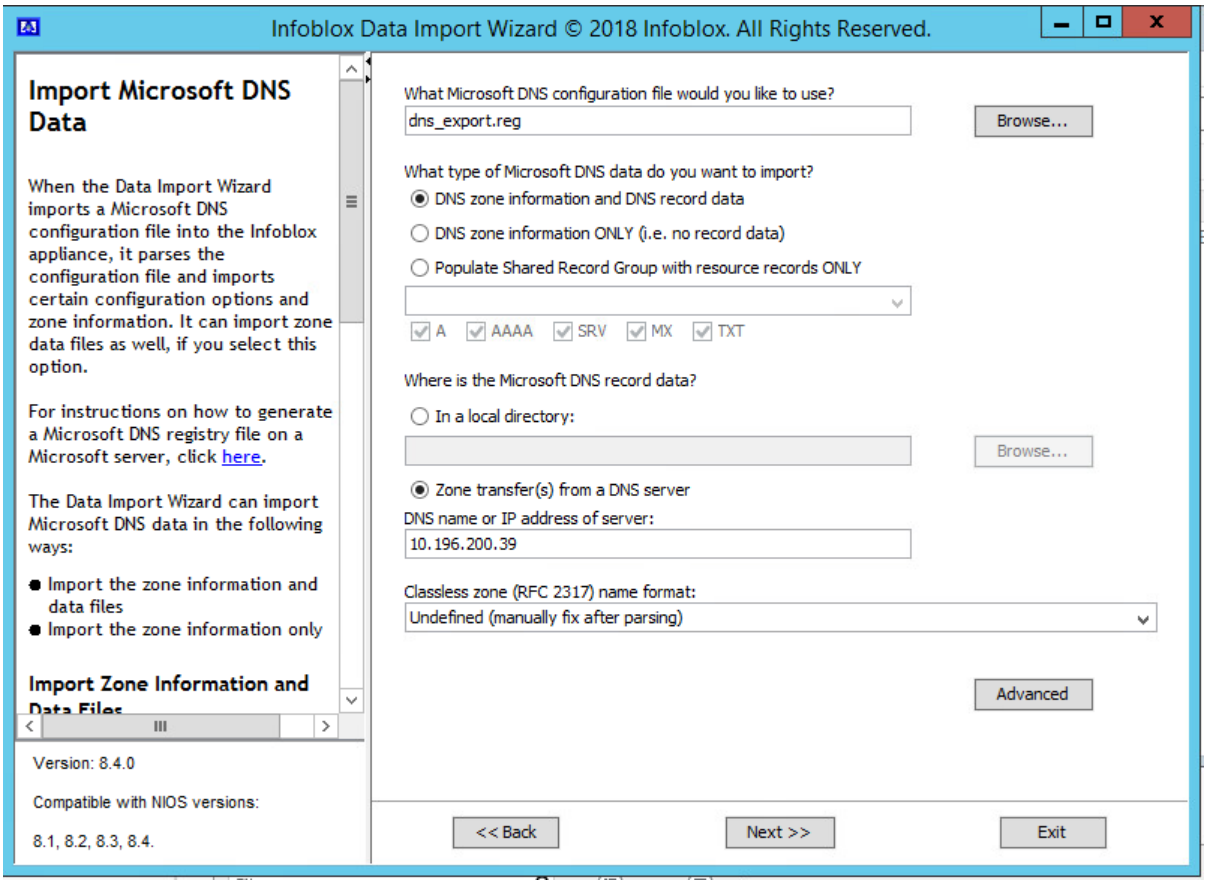


13. Leave the configuration as is, and click on **Next**

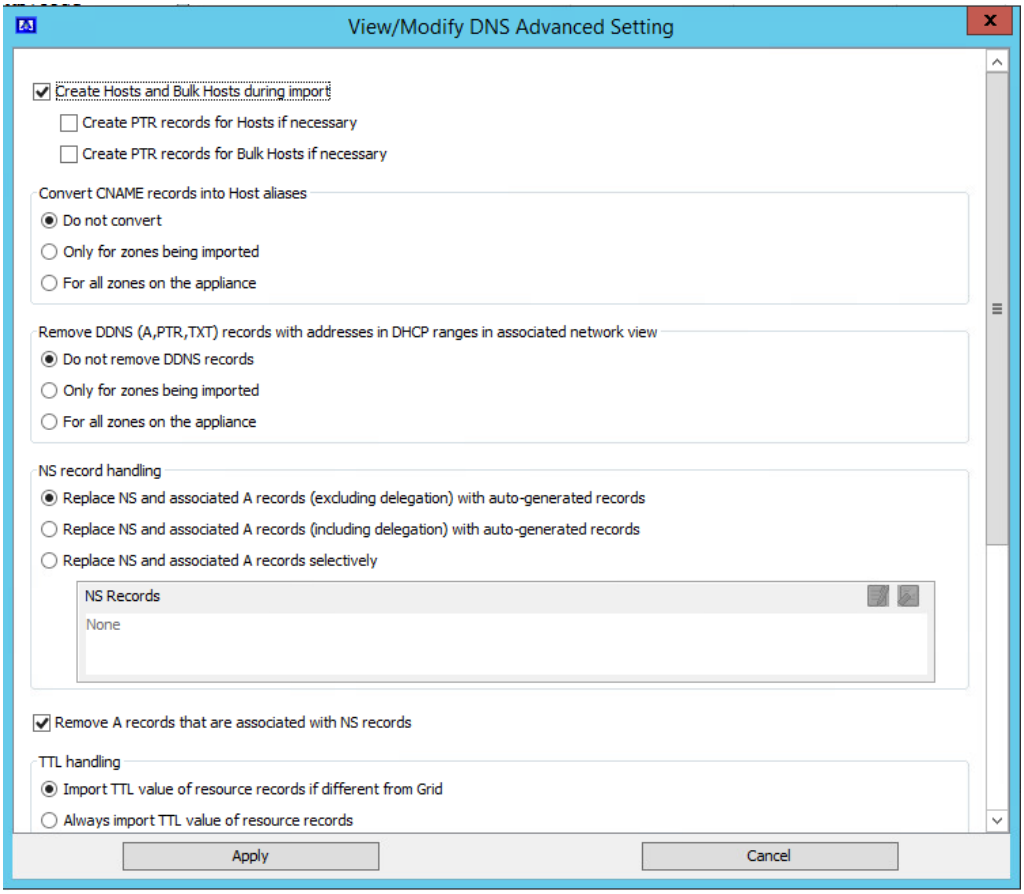


14. Review the configuration on the next screen, make necessary changes
    a. To get the Microsoft DNS Configuration file,
        i. Click **Start → Run**.
        ii. In the Run dialog box, type **cmd**, and then click **OK**.
        iii. At the prompt, type the following for each type of server:
            1. For Microsoft 2000 and 2003, type:
               regedit /e dns_export.reg "HKEY_LOCAL_Machine\SOFTWARE\Microsoft\Windows NT\CurrentVersion\DNS Server\Zones"
            2. For Microsoft NT, type:
               regedit /e dns_export.reg "HKEY_LOCAL_Machine\SYSTEM\CurrentControlSet\Services\DNS\Zones"
        iv. If the server has Registry Editor version 5.0 or above, you can also use the Export function to export the DNS data from the following location: **HKEY_LOCAL_Machine\SOFTWARE\Microsoft\Windows NT\CurrentVersion\DNS Server\Zones**.
15. In this guide, we use zone transfers from a Microsoft DNS Server. Enter the respective DNS server.
    a. Ensure that **Allow zone transfers** is set on all the zones.

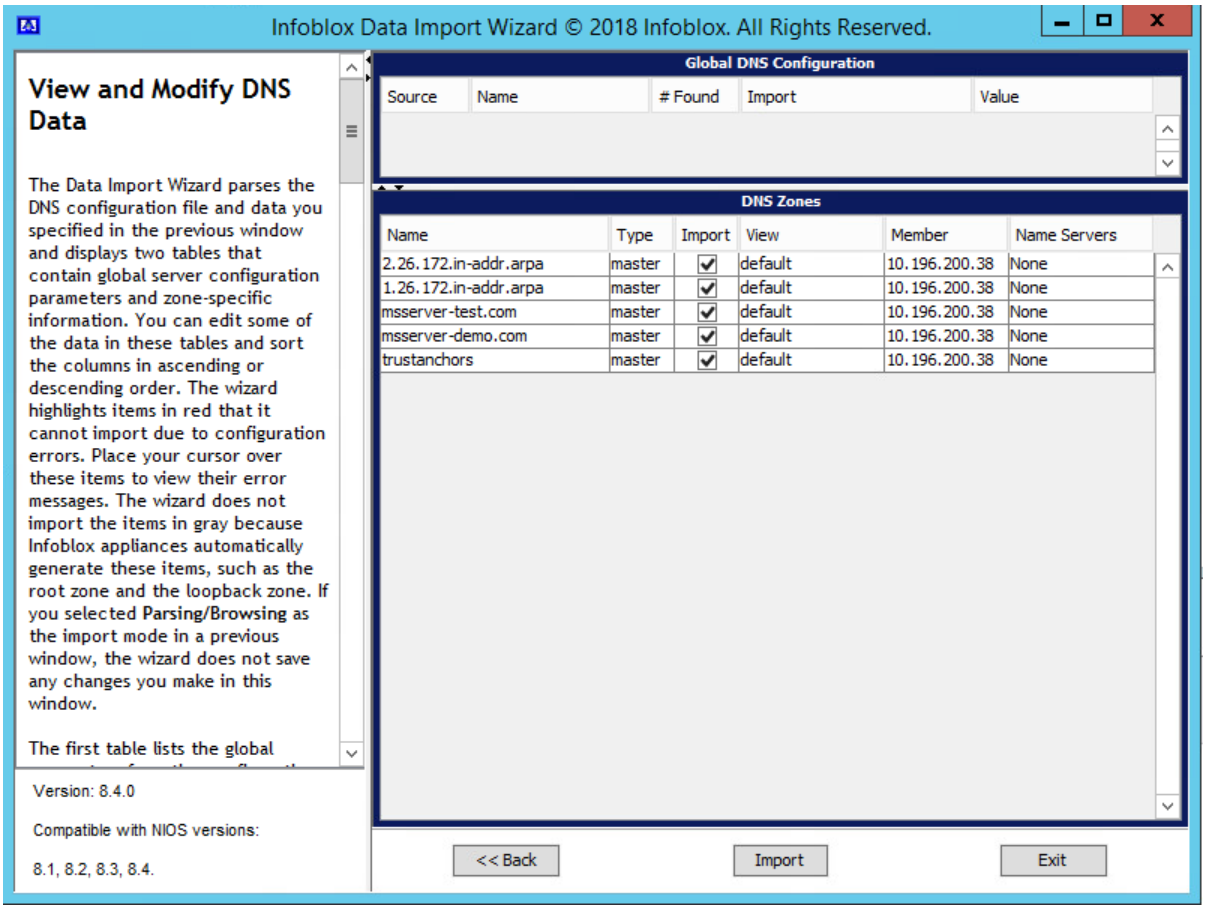




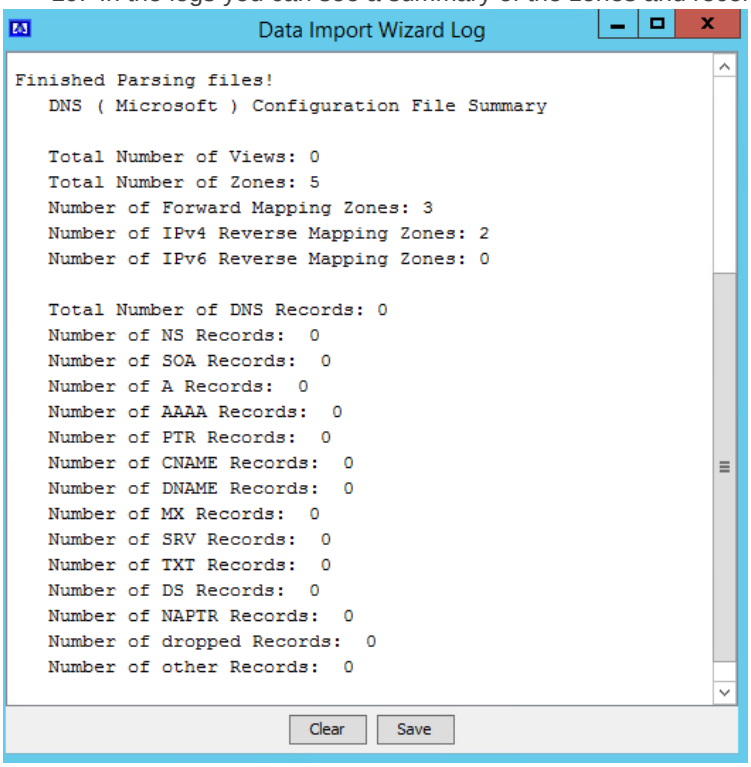
16. Click on **Advanced**.
17. Verify the options and click on **Apply**



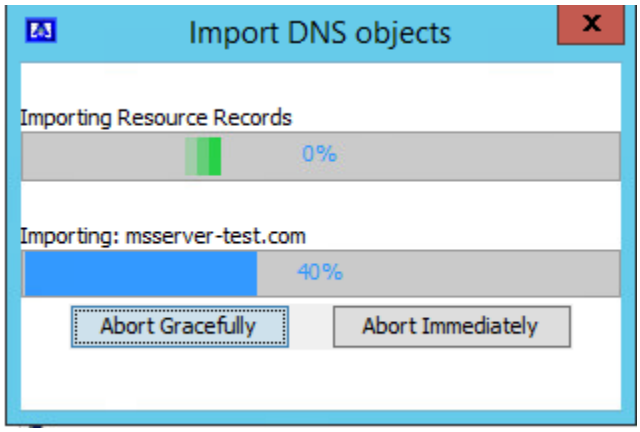
18. Click on **Import**



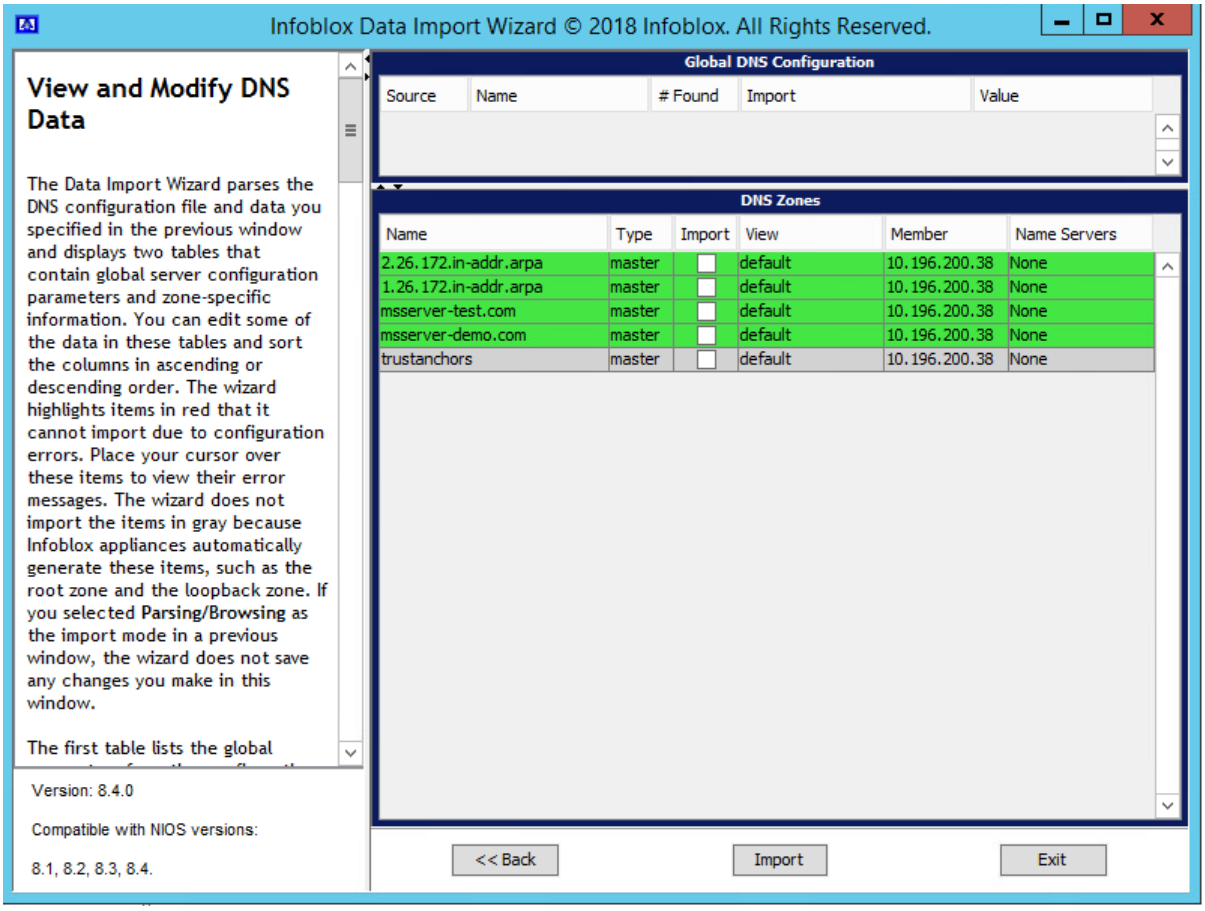
19. In the logs you can see a summary of the zones and records getting imported.



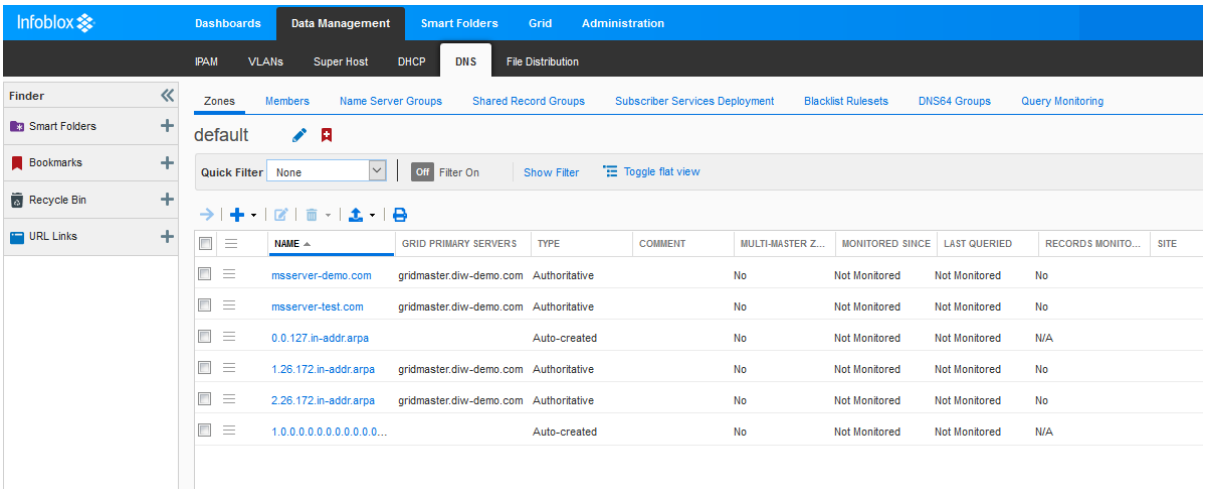
20. You can see the status of the import.



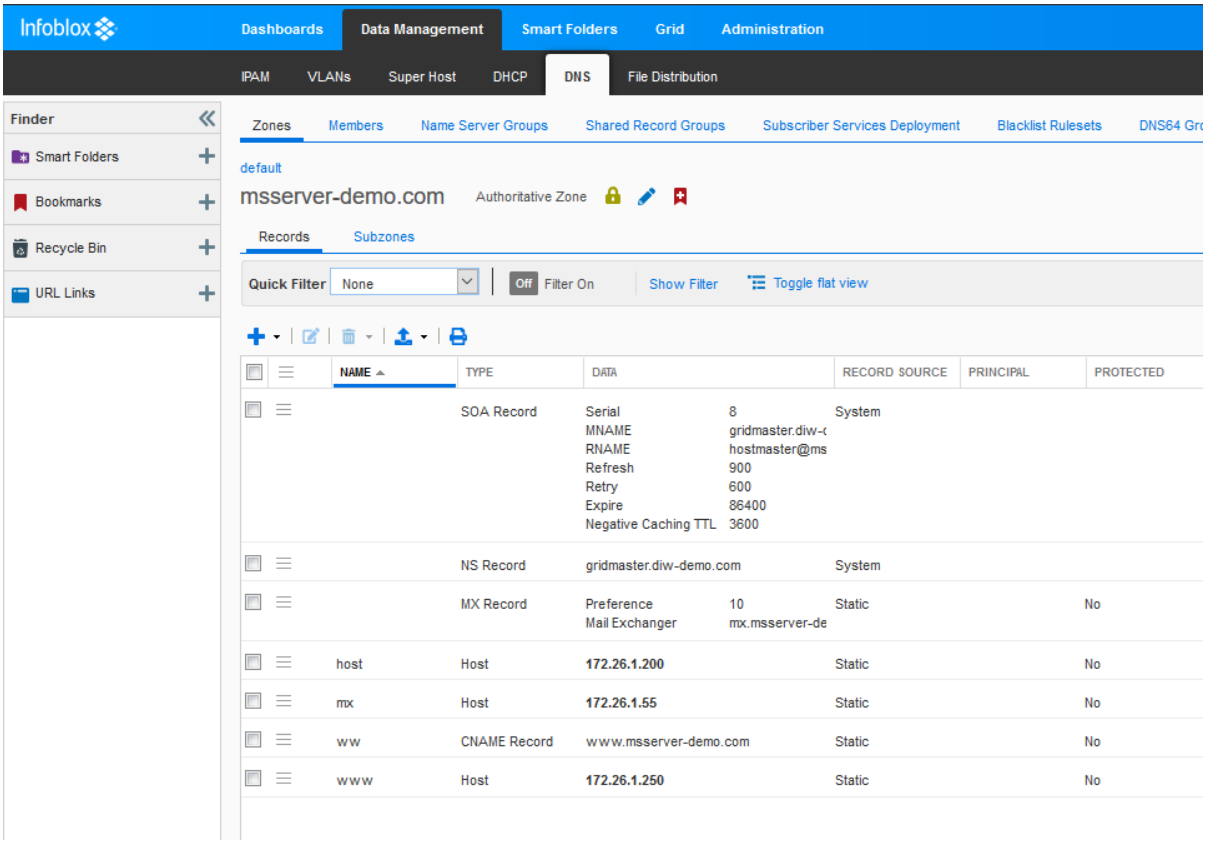
21. Click on **Exit**



22. Launch the Infoblox grid manager from a browser.
23. Navigate to the **Data Management → DNS.**
24. All the zones from the Microsoft Server are imported.



25. Click into one of the zones. You will see the records listed.

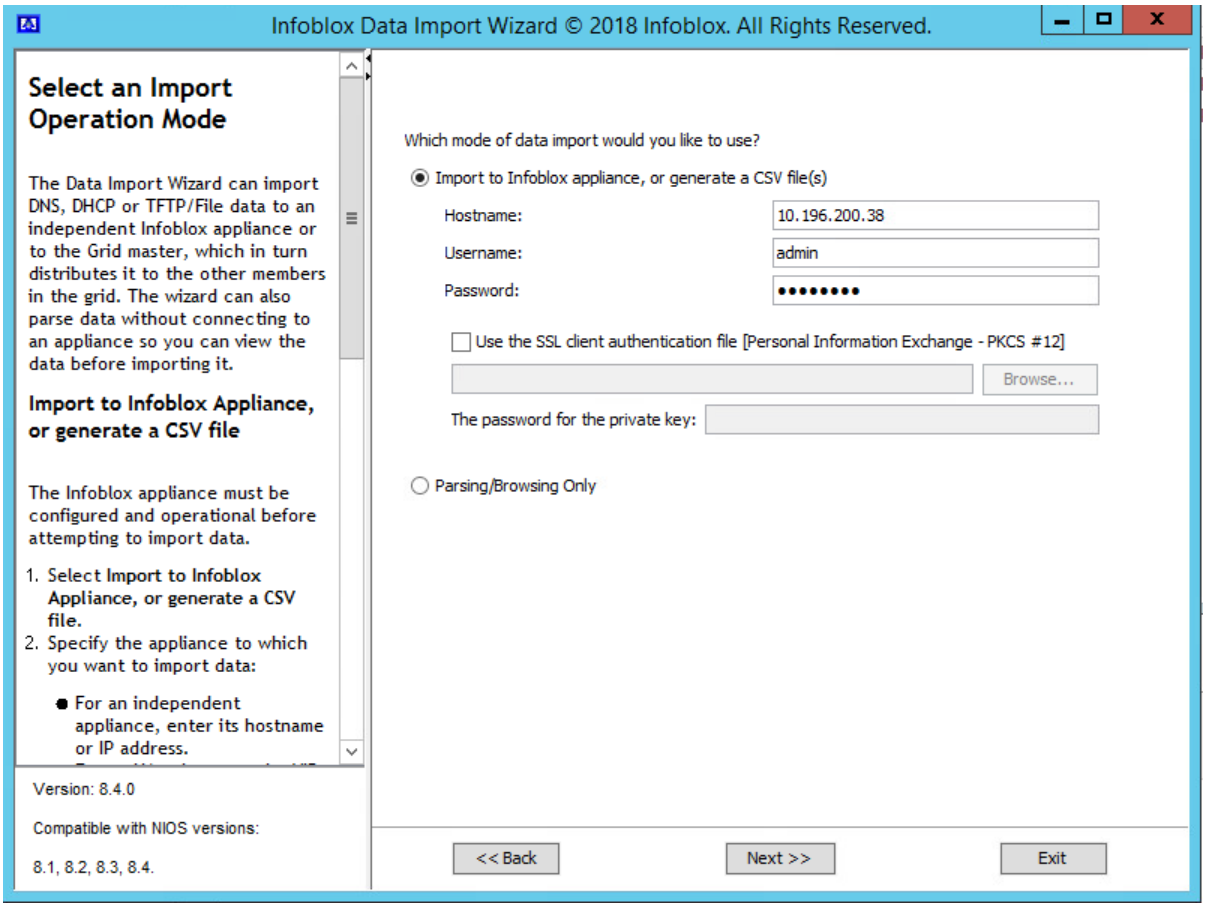


Import DHCP data

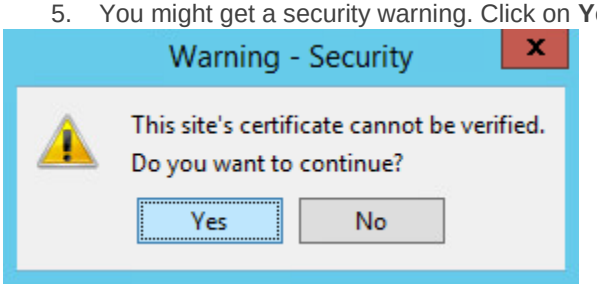
1. Launch the Data Import Wizard.

2. Click on **Next**

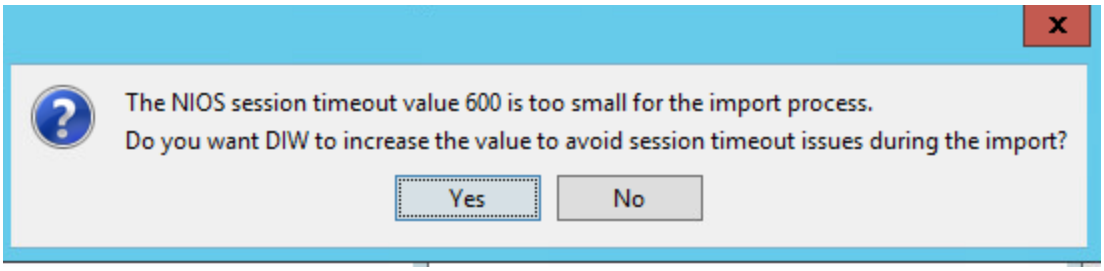
3. Enter the details of the Infoblox Grid Master and its credentials.
4. Click on **Next**



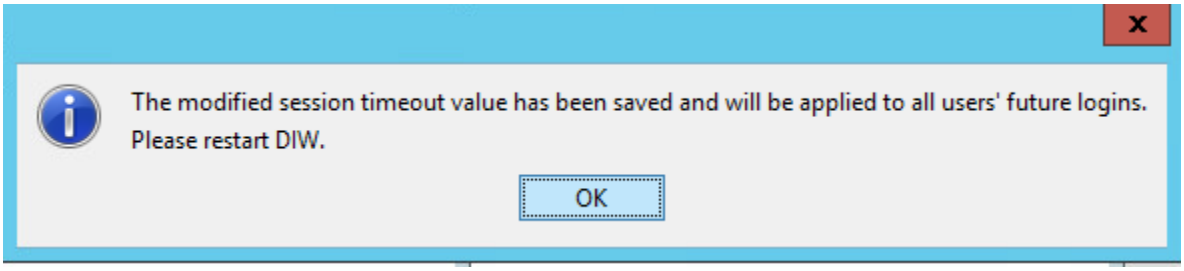
5. You might get a security warning. Click on **Yes**



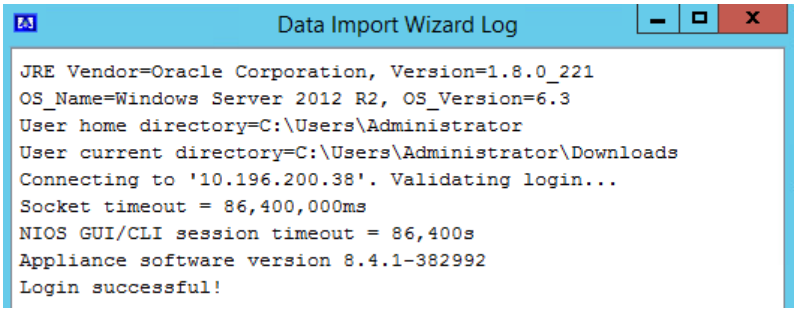
6. You will get a request to change the grid timeout. Click on **Yes**



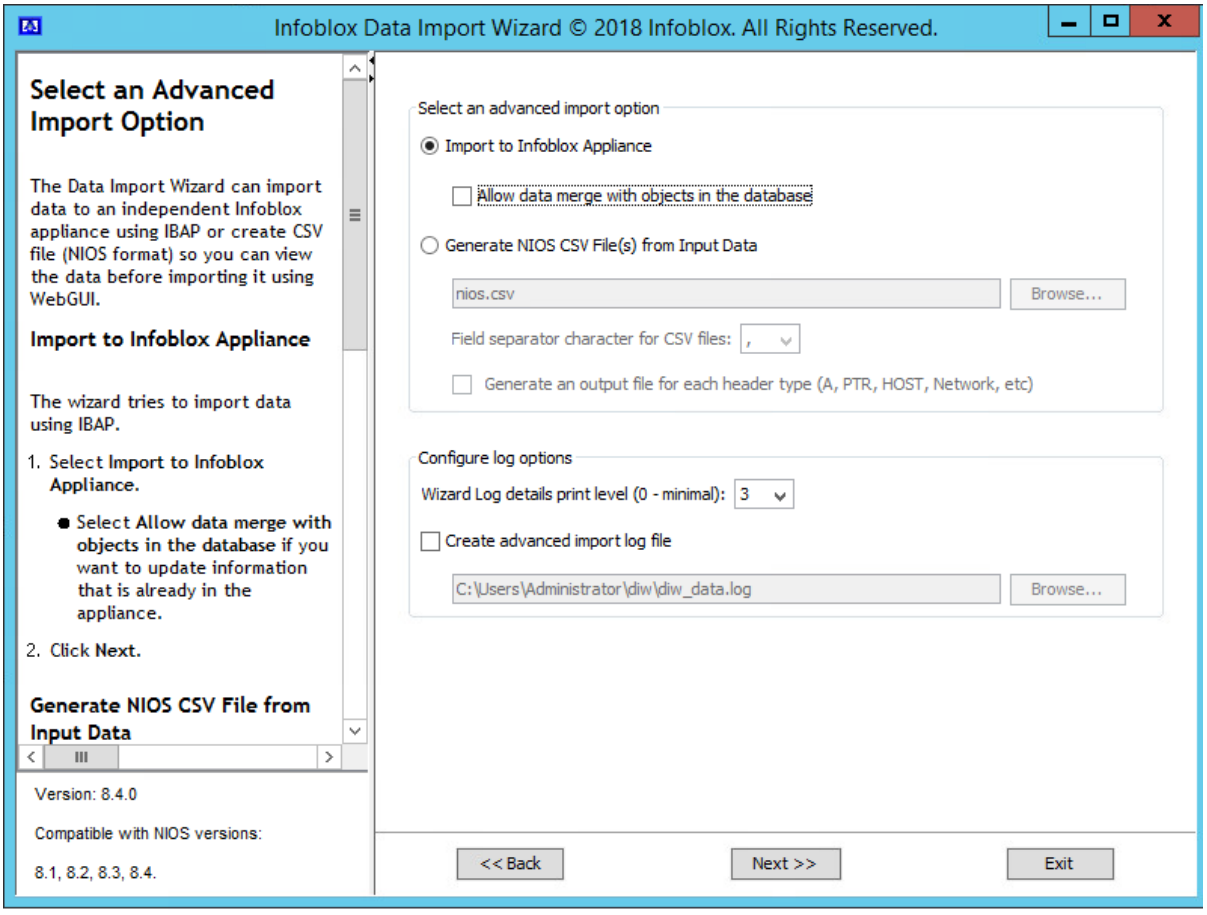
7. Click on **OK**



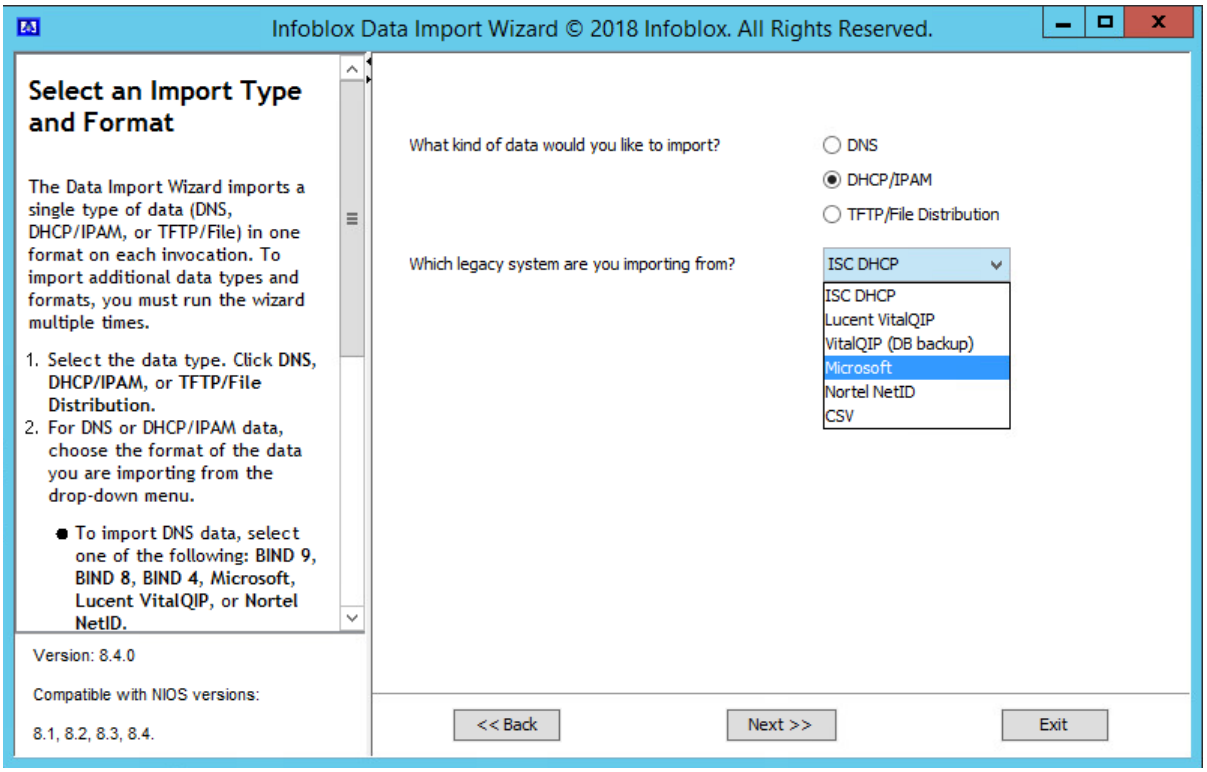
8. Close the wizard and relaunch it.
9. Re run steps 1 to 5.
10. This opens up a logging window



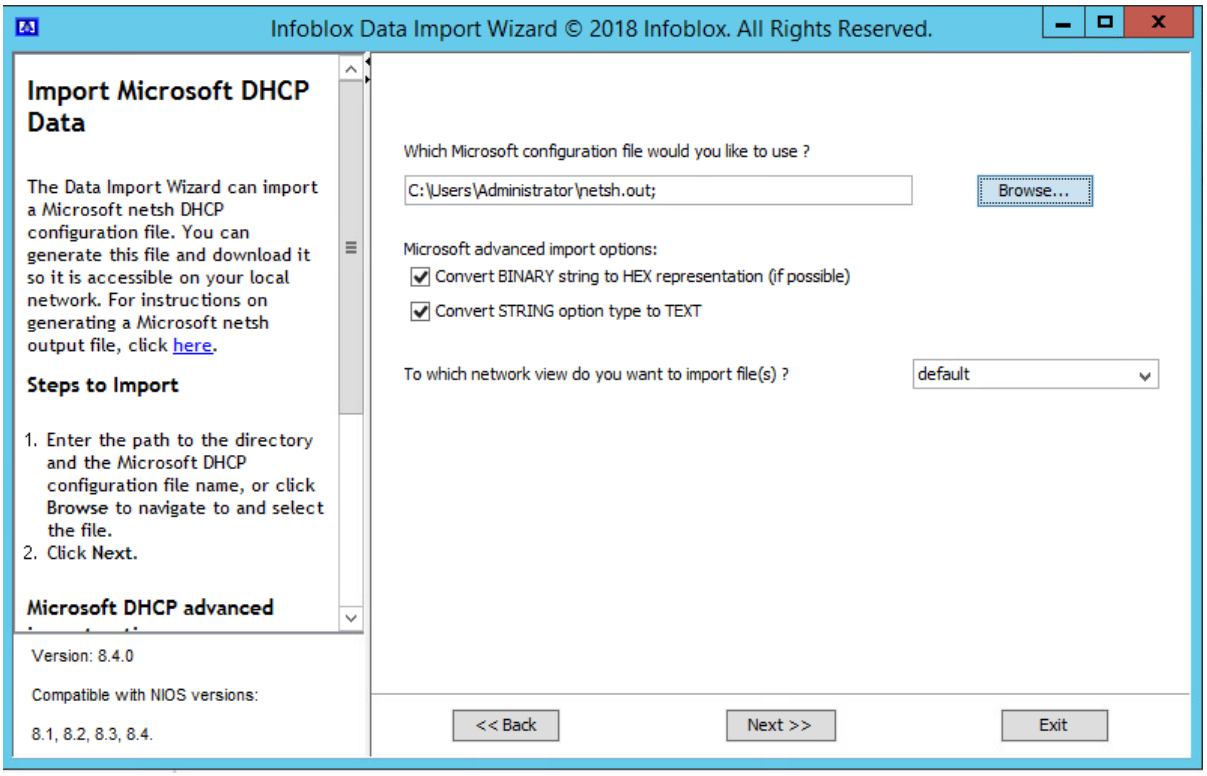
11. On the main wizard, review the options and click on **Next**.



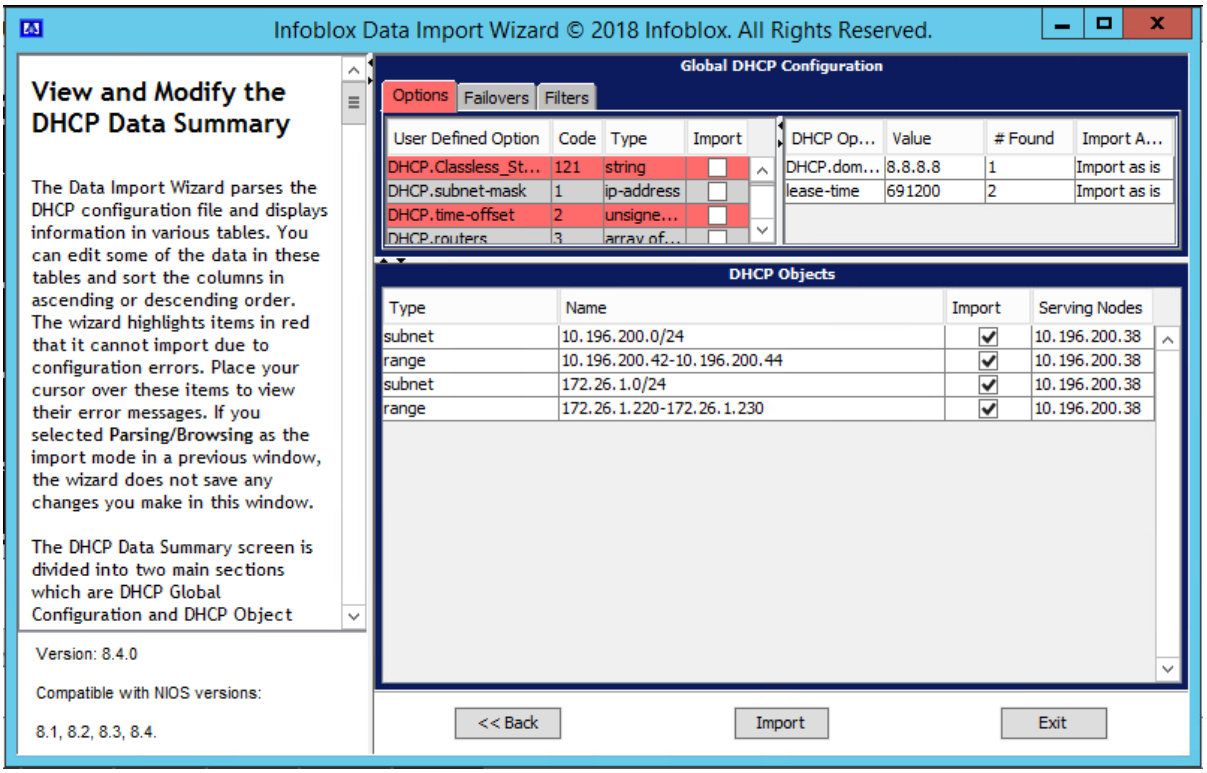
12. Select **DHCP** as your data to import and **Microsoft** as the server to import it from



13. Review the configuration on the next screen, make necessary changes
    a. To generate a Microsoft netsh file, do the following on the Microsoft server:
        i. Click **Start** -> **Run**.
        ii. In the *Run* dialog box, enter:
        "netsh dhcp dump [*server ip_addr*] **> netsh.out"** for Windows 2000;
        iii. or
        "netsh dhcp server dump [{*ServerName* | *ServerIP*}] **> netsh.out"** for Windows 2003/2008/2012.

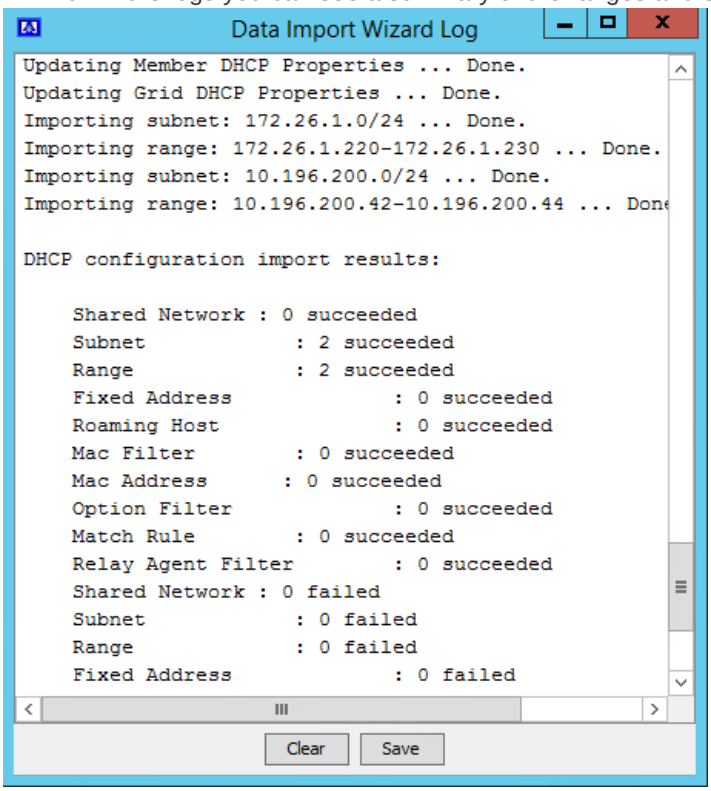


14. Click on **Next**.

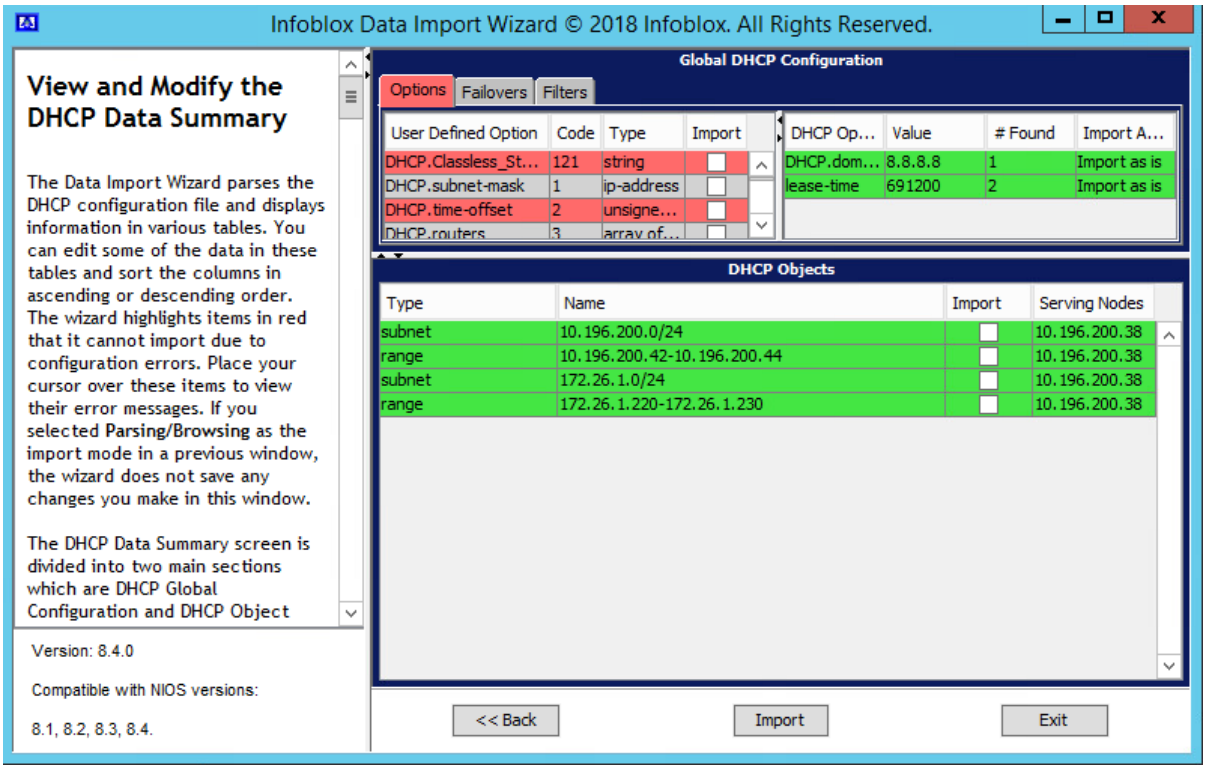


15. Verify the data and click on **Import**

16. In the logs you can see a summary of the ranges and subnets getting imported.

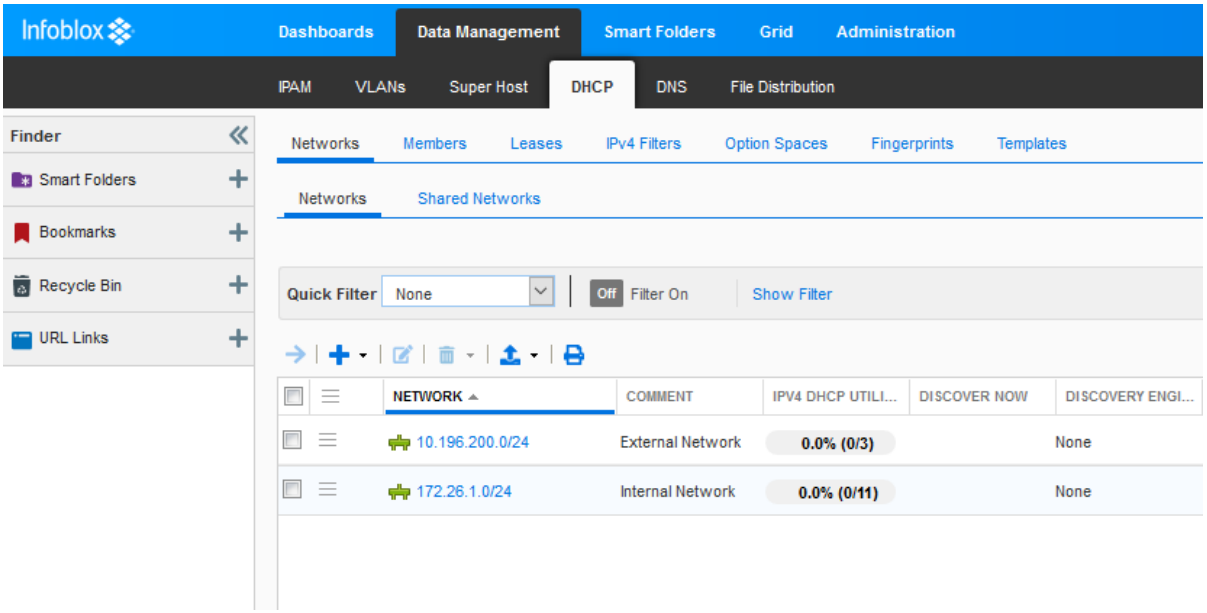


17. Click on **Exit**

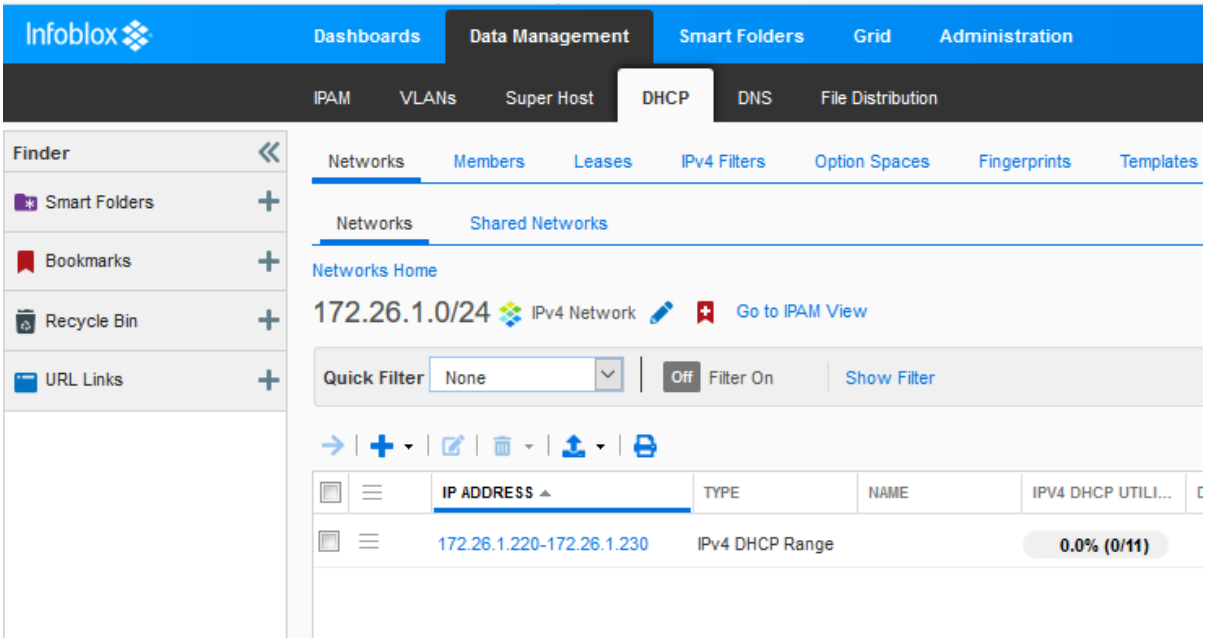


18. Launch the Infoblox grid manager from a browser.
19. Navigate to the **Data Management → DHCP.**

20. All the subnets from the Microsoft Server are imported.



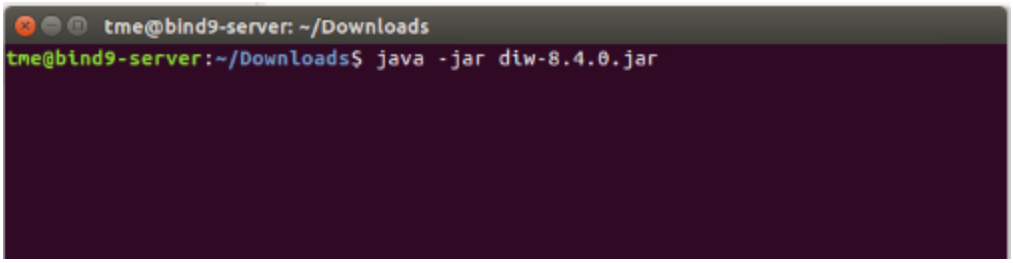
21. Click into one of the subnets. You will see the ranges listed.



Import Data from Bind Server

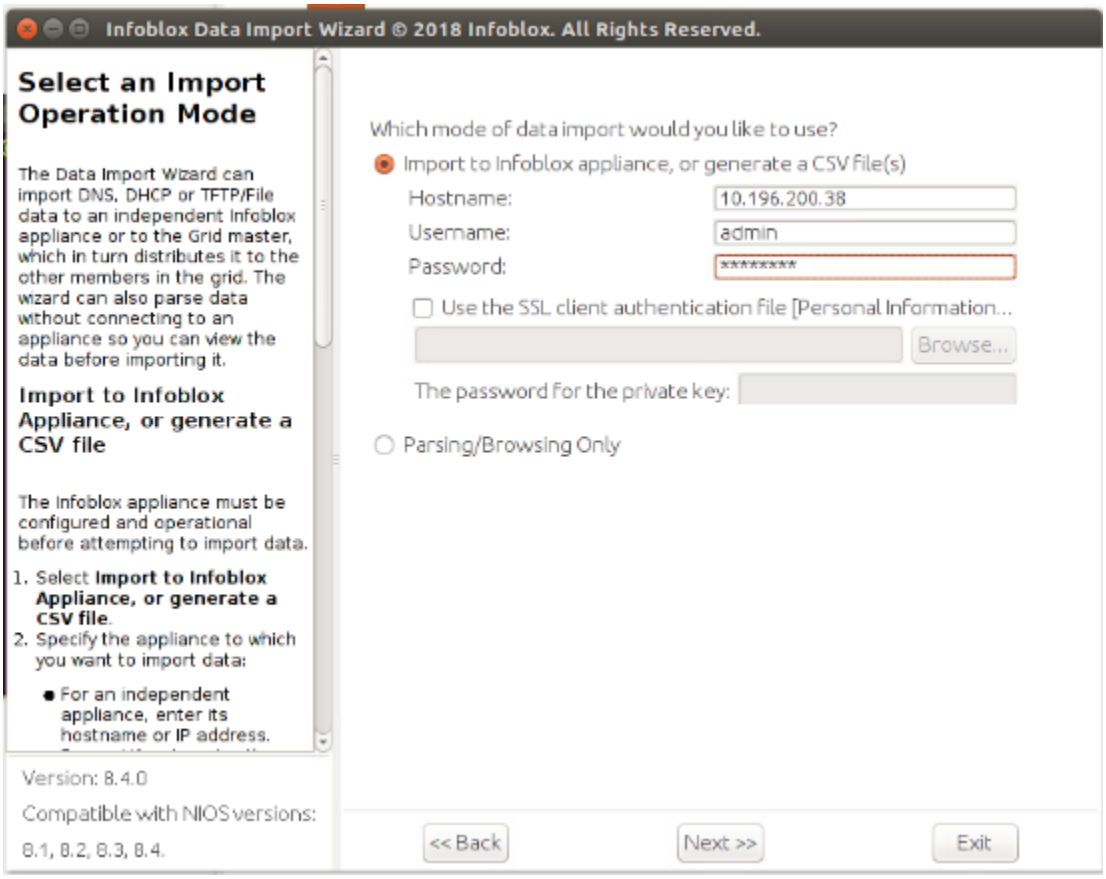
Import DNS data

1. Launch the Data Import Wizard by running the following command from within a terminal:
   java -jar diw-8.4.0.jar

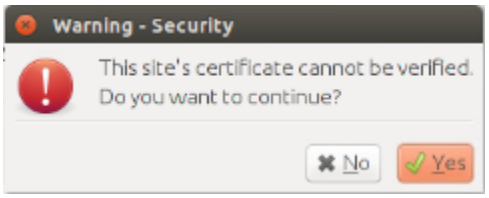


2. Click on **Next**

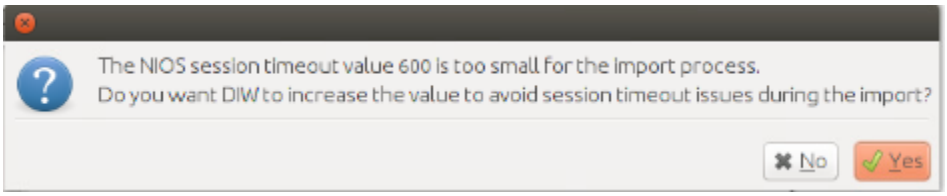
3. Enter the details of the Infoblox Grid Master and its credentials.
4. Click on **Next**



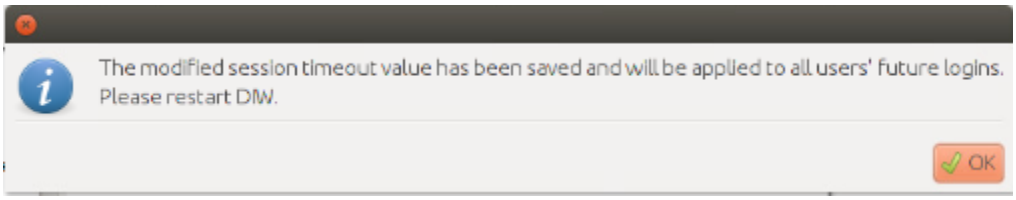
5. You might get a security warning. Click on **Yes**



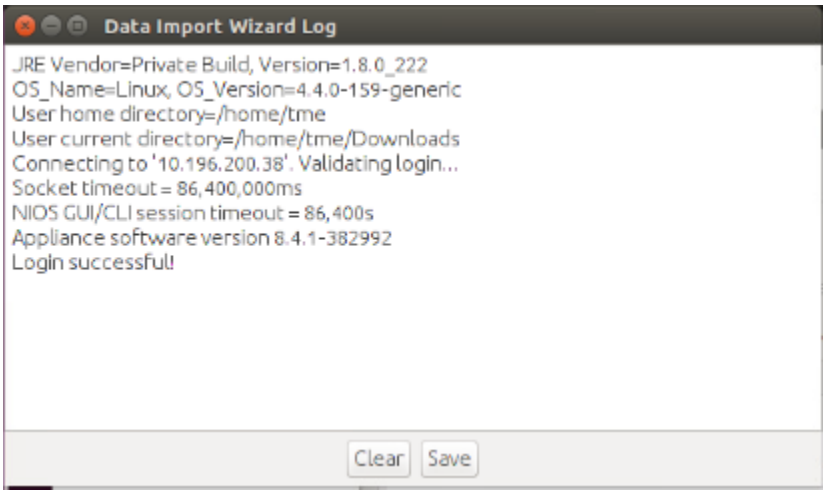
6. You will get a request to change the grid timeout. Click on **Yes**



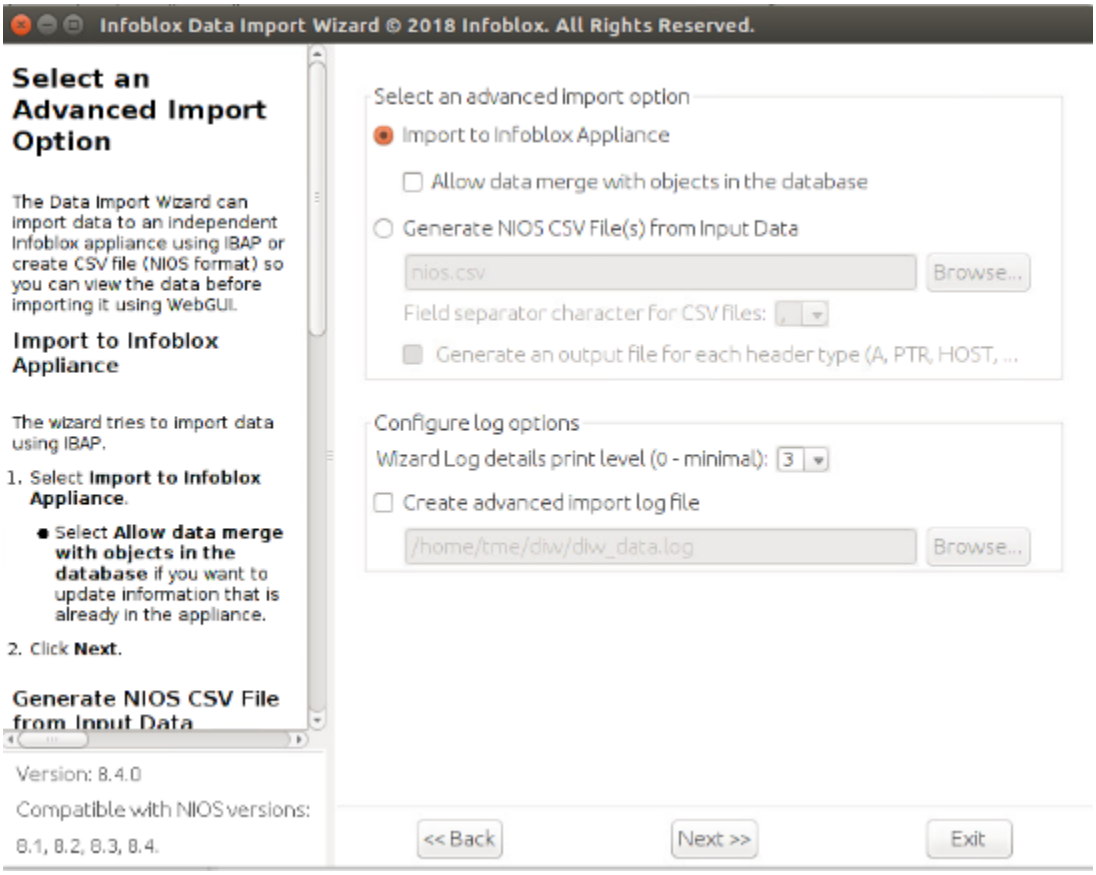
7. Click on **OK**



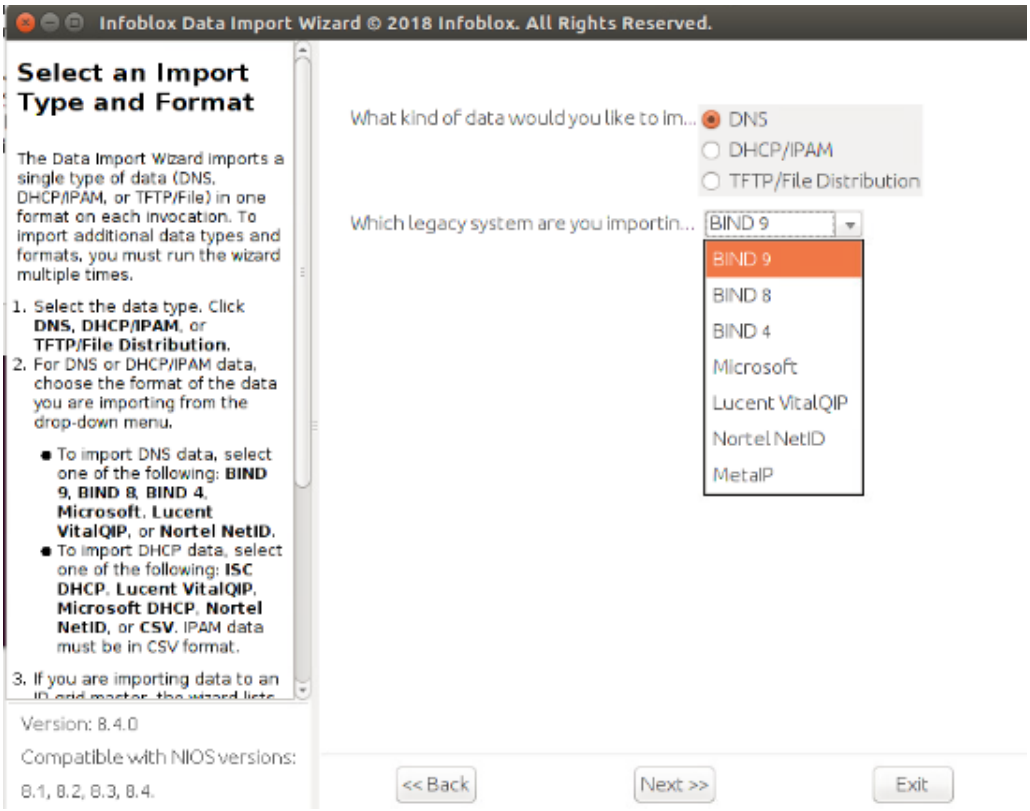
8. Close the wizard and relaunch it.
9. Re run steps 1 to 5.
10. This opens up a logging window



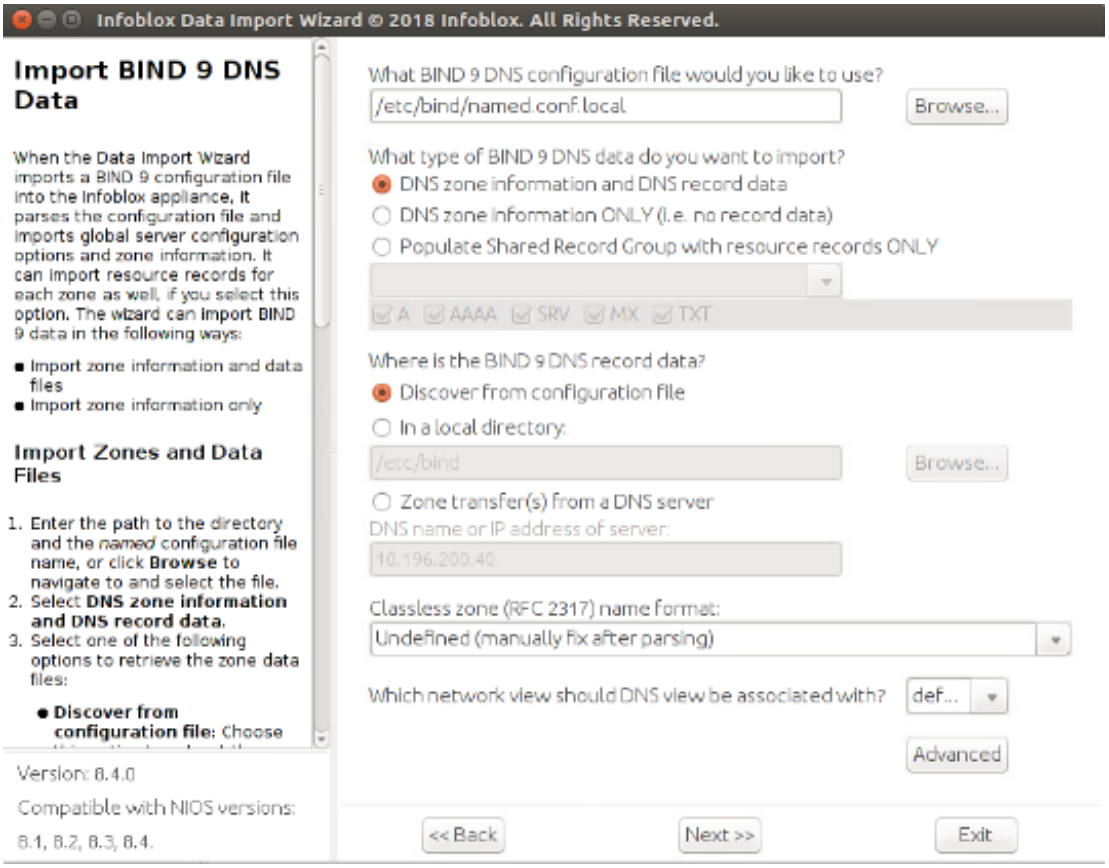
11. On the main wizard, review the options and click on **Next**.



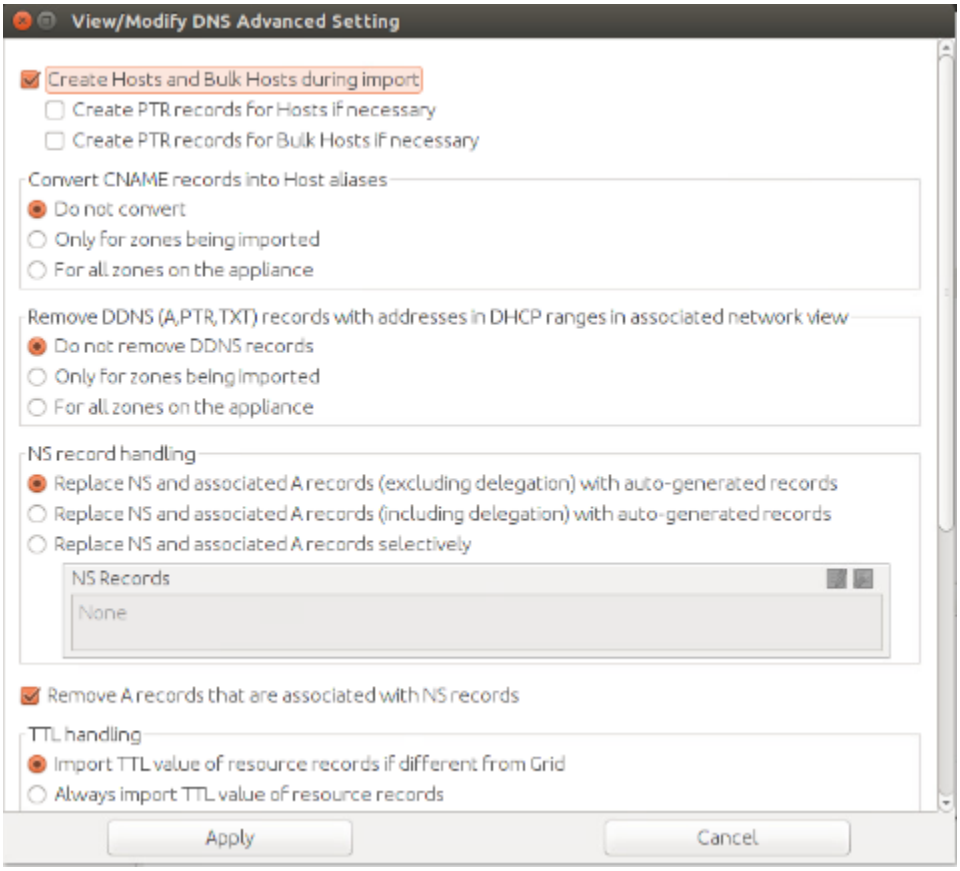
12. Select **DNS** as your data to import and **BIND 9** as the server to import it from.



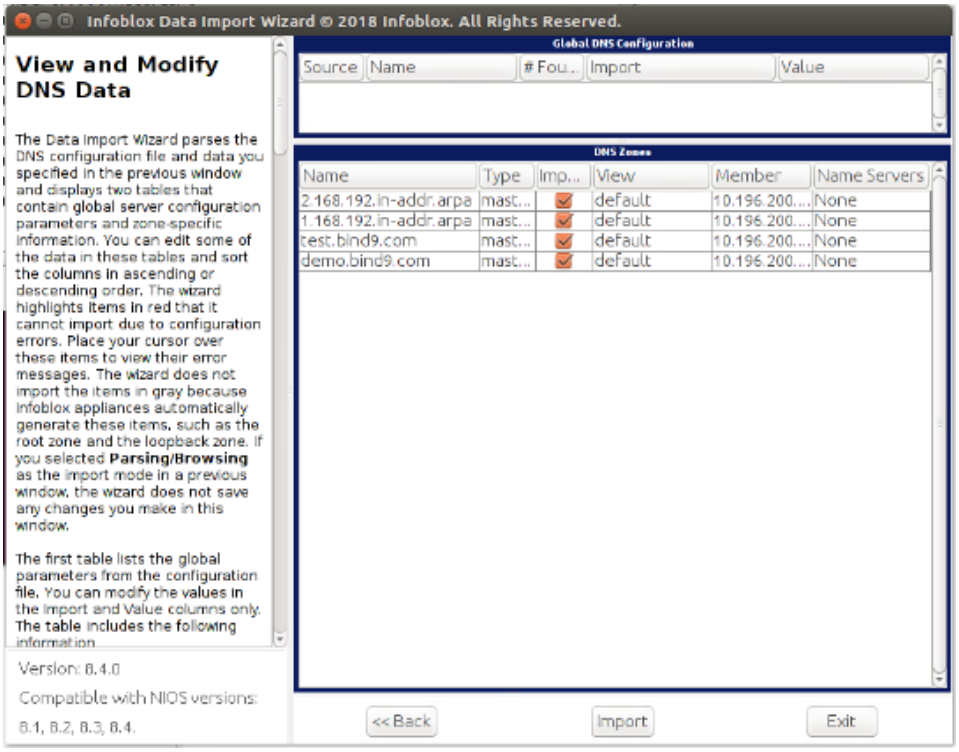
13. Review the configuration on the next screen, make necessary changes



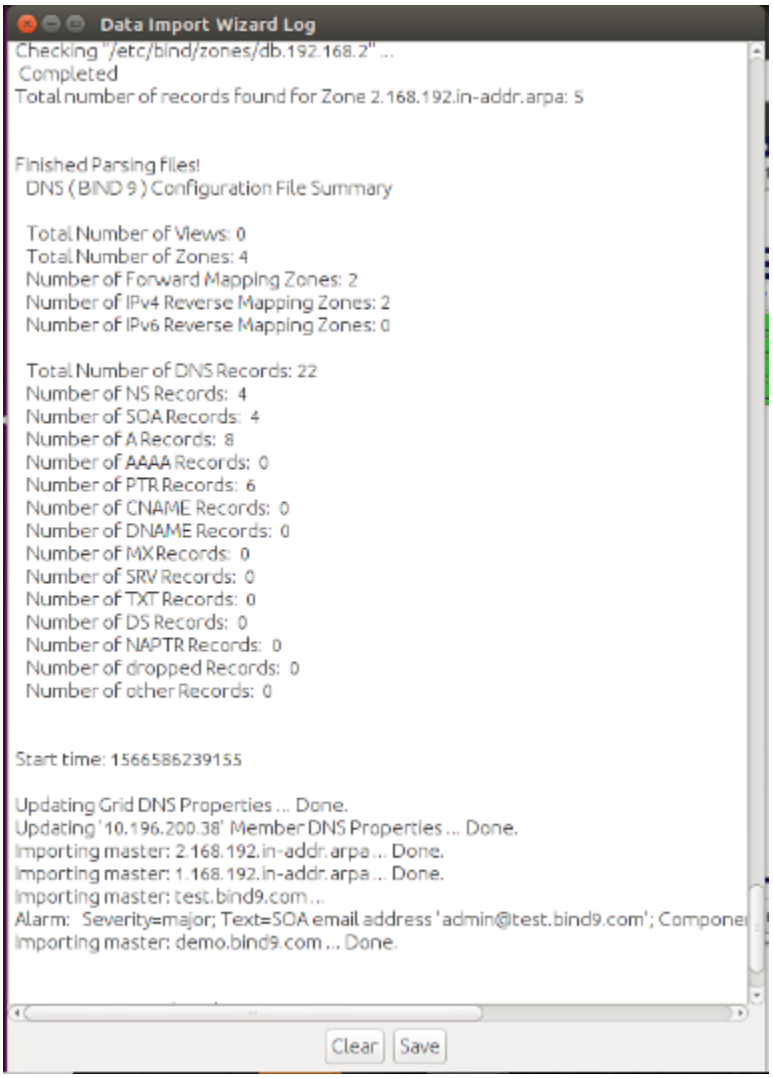
14. Click on **Advanced**.
15. Verify the options and click on **Apply**



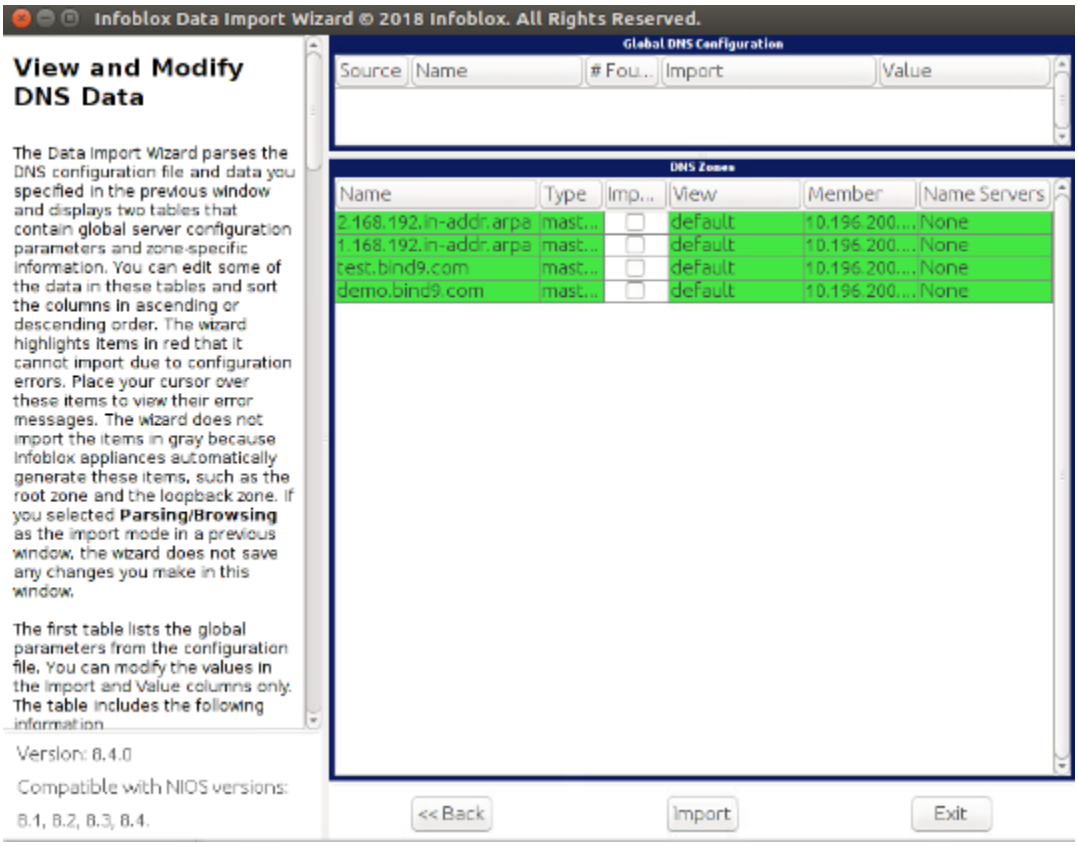
16. Click on **Import**



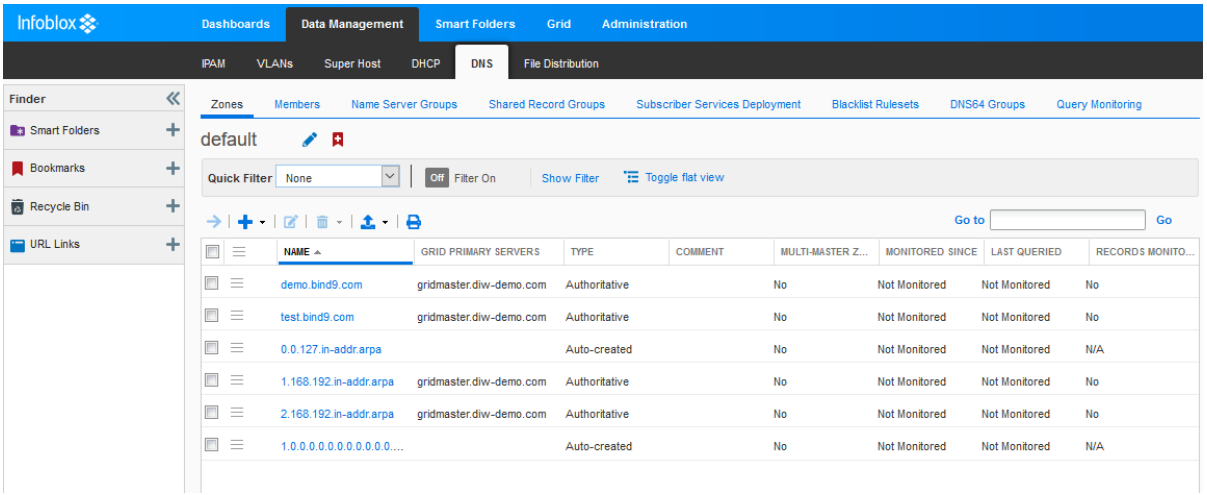
17. In the logs you can see a summary of the zones and records getting imported.



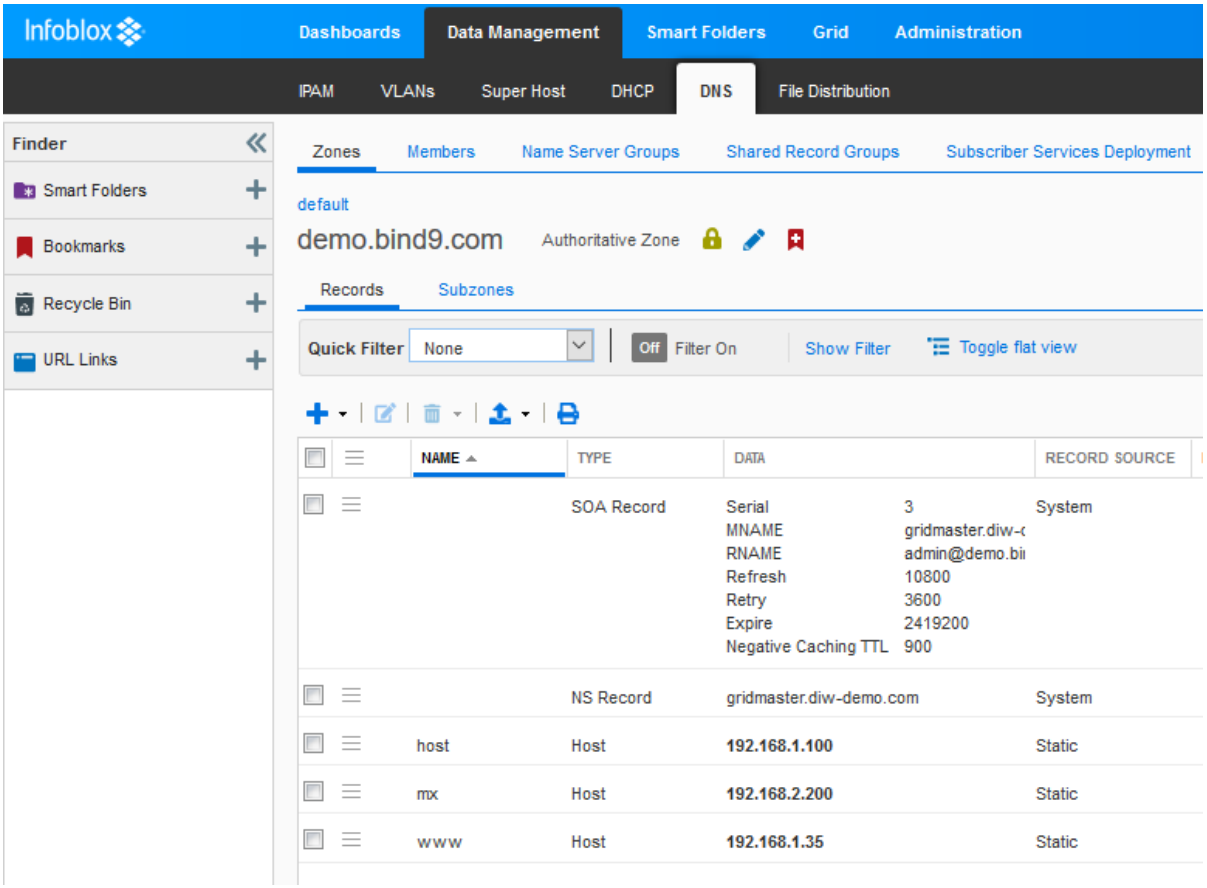
18. Click on **Exit**



19. Launch the Infoblox grid manager from a browser.
20. Navigate to the **Data Management → DNS.**
21. All the zones from the Microsoft Server are imported.

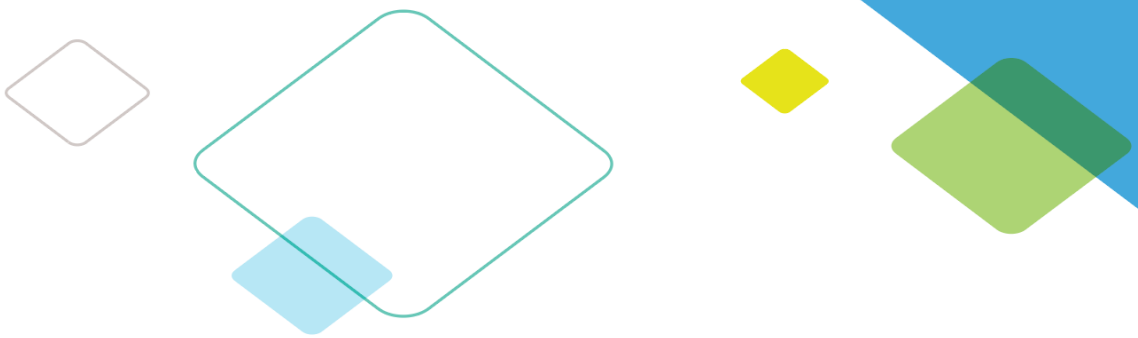


22. Click into one of the zones. You will see the records listed.



Resources

[Demo Video: Data Import Wizard]
[Installation Link]



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