Infoblox Network Identity Operating System (NIOS) is the operating system that powers Infoblox core network services, ensuring non-stop operation of network infrastructure. This on-prem network management tool unifies DNS, DHCP, and IP address management (IPAM) and helps organizations improve security, operational efficiency, and service uptime.

Deployment Type

This integration supports **vendor cloud** deployments through 443.

If you already know that your environment supports this deployment type, continue to the next step. If you are unsure whether your organization supports vendor cloud deployments, please ensure your organization's compatibility before continuing.

Required Information and Setup

To integrate GreyMatter with Infoblox NIOS, collect the following details:
- URL - https://10.220.21.25/wapi/v2.13.1/
- Admin Username
- Admin Password

See instructions below to gather the required information.

Create a Role

1. Within Infoblox, click **Administration** in the top navigation.
2. Select **Roles** at the top of the **Administrators** tab.
3. Click the **Add Role** button to create a role, then enter a custom name (e.g., GreyMatter Integration).
4. Click **Save**.

Add Permissions

5. Click the **Permissions** link at the top of the **Administrators** tab.
6. In the **Roles** section, select the new role.
7. Click the **Add** icon.
8. Select the **Role Permission** option and select the new role from the drop-down menu.
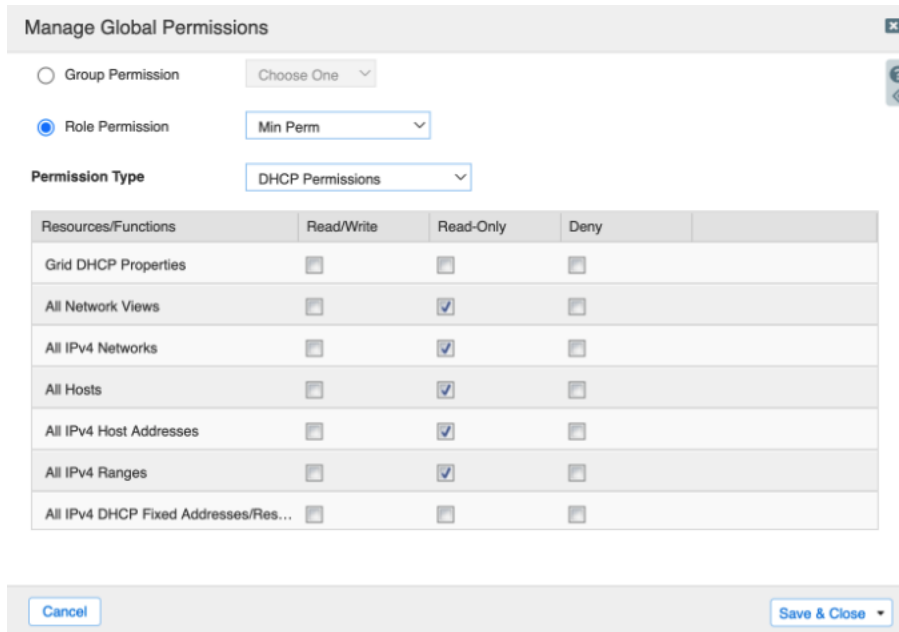9. Select **DNS Permissions** from the **Permission Type** drop-down menu and mark the checkboxes for the following permissions:
   a. All Hosts – Read-Only
   b. All IPv4 Host Addresses – Read-Only
   c. All IPv6 Host Addresses – Read-Only
   d. All Response Policy Zones – Read/Write

10. Select **DHCP Permissions** from the **Permission Type** drop-down menu and mark the checkboxes for the following permissions:
    a. All Network Views – Read-Only
    b. All IPv4 Networks – Read-Only
    c. All Hosts – Read-Only
    d. All IPv4 Host Addresses – Read-Only
    e. All IPv4 Ranges – Read-Only
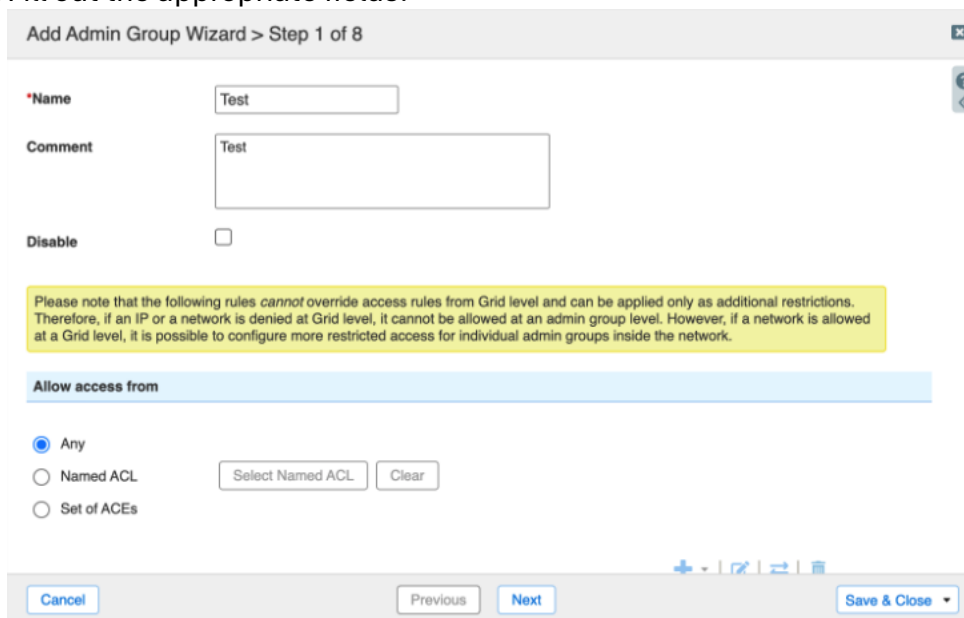
11. Click **Save & Close**.

Create a Group

12. Click the **Groups** link at the top of the **Administrators** tab.
13. Fill out the appropriate fields.

14. Click **Save & Close**.

Add Permissions

15. Select the **Admins** link at the top of the **Administrators** tab.
16. Click **+ Add.**
    a. **Note:** This Admin will only have permissions related to this integration.

17. Select the new **Admin Group**.
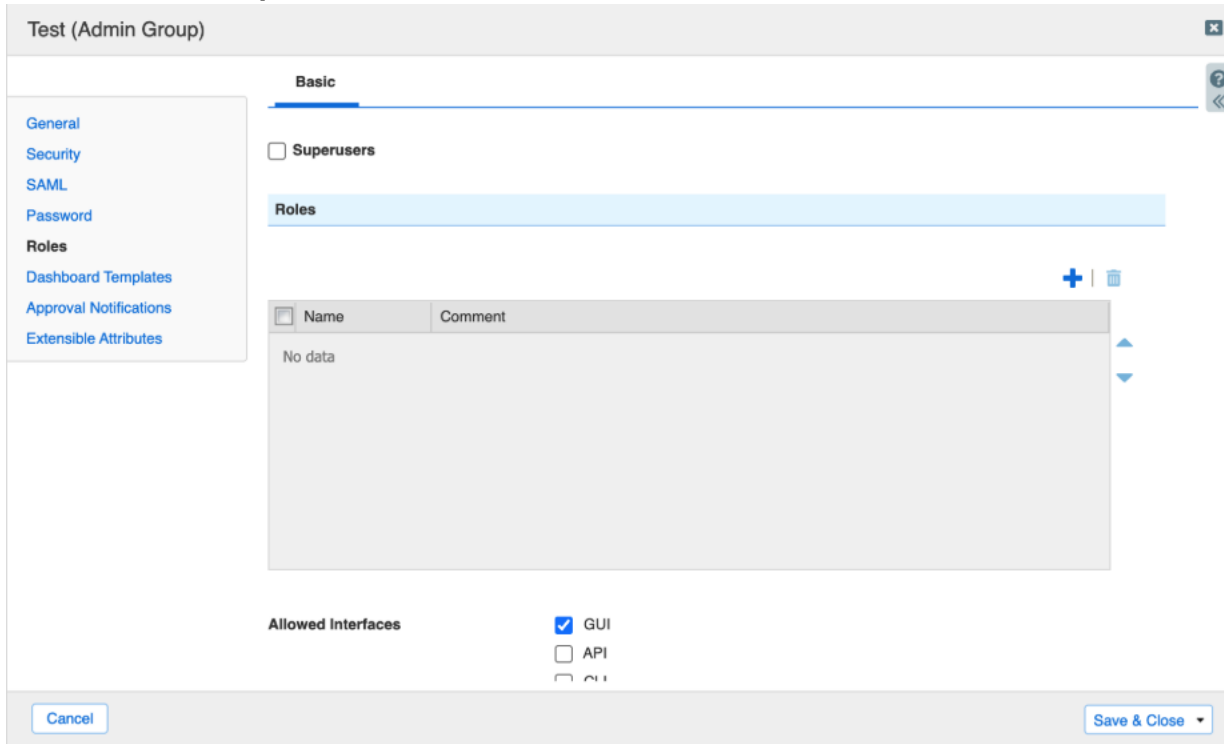
18. Go to **Admin Group,** then click **Edit**.
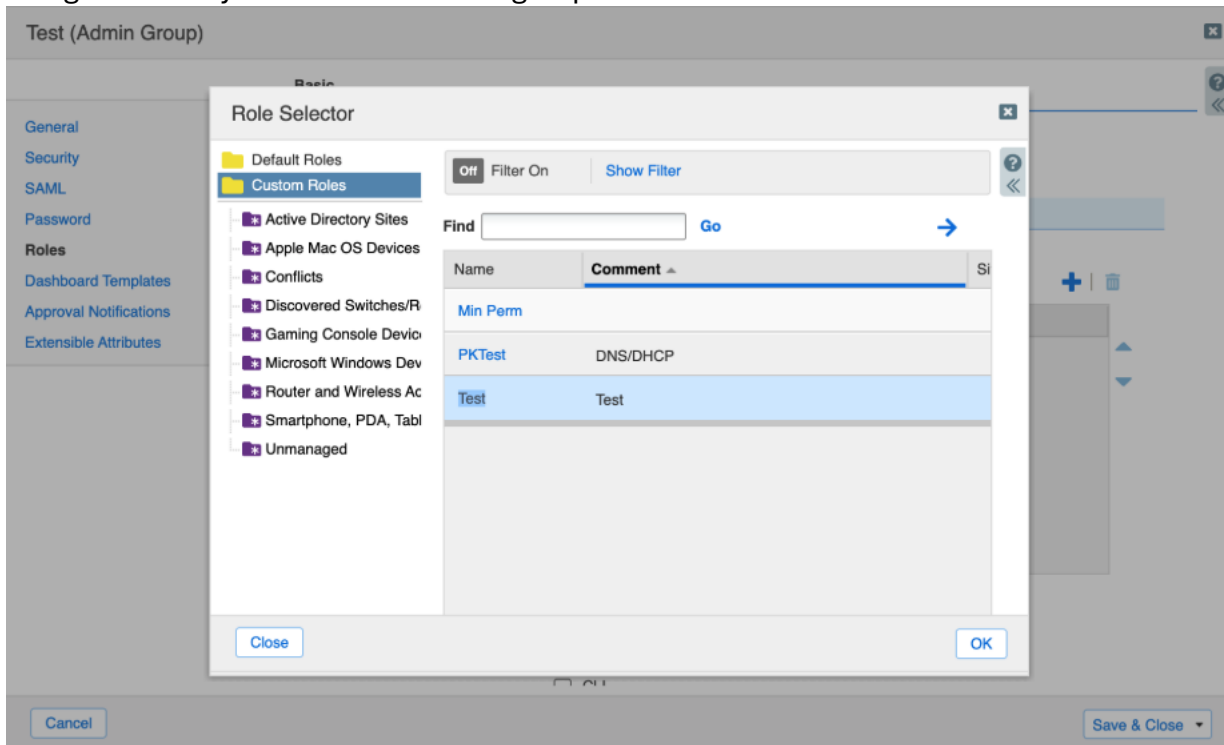
19. Assign the newly created **Role** to the group created above.

[Vendor Documentation](#)

Permissions and Functionality

Permissions

Infoblocks Documentation: About Administration Permissions

GreyMatter Capability	Action(s)	Required Permission
Respond	Enrich Host	All Hosts All Network views All IPv4 Ranges All Hosts
	Enrich IP	All IPV4 Host Addresses All IPV6 Host Addresses All IPV4 Networks All IPV6 Networks
	Block IP	DNS Permission - Response Policy Zone (R/W)
	Block Domain	DNS Permission - Response Policy Zone (R/W)
	Unblock IP	DNS Permission - Response Policy Zone (R/W)
	Unblock Domain	DNS Permission - Response Policy Zone (R/W)

Respond

Playbook Name	Required Input	Result
Enrich Host	A Device Hostname Example: DESKTOP-GPSLRIB	Pulls details on the hosts that are managed by Infoblox.
Enrich IP	IPv4 or IPv6 Address • IPv4 Example: 10.11.23.125 • IPv6 Example: 2001:db8:3333:4444:5555:6666:7777:8888	Pulls details on the hosts through IP address that are managed by Infoblox.
Block IP	A Device Hostname Example: 10.10.10.20	Block IP address in the Network.
Block Domain	A Domain Name Example: infoblox.com	Block Domain in the Network.
Unblock IP	A Device Hostname Example: 10.10.10.20	Unblocks IP address in the Network.
Unblock Domain	A Domain Name Example: infoblox.com	Unblock Domain in the Network.