

# Infoblox NIOS DDI


An important early step in conducting any census of managed assets is to validate IPAM tracking and allocation data. To that end, Infoblox has been integrated with Asset Manager. The integration brings the reach of Asset Manager's network discovery to the IP address management (IPAM) space.

When you activate the Infoblox IPAM integration, Asset Manager . . .

- 1. Queries Infoblox
- 2. Correlates that data against what Asset Manager "knows"
- 3. Generates reports
- 4. Pushes metadata about discovered devices to Infoblox

This integration reconciles data between Asset Manager and Infoblox without directly reading or modifying Infoblox tables: All pull/update operations are performed by API calls. This integration enables you to produce and export an IP list with which you can update Infoblox's data. With the two solutions working together, gaps in IP management coverage are eliminated and your organization can accurately account for its assets under management.

Asset Manager also collects data from more record types, including host, A, AAAA, and PTR. In addition, the extensible attributes "Site," "Device Type," and "Operating System" are now pushed from Asset Manager and populate in Infoblox.


 Infoblox logs out after only a minute of idle time. To increase the session timeout value . . .

- Grid Grid Manager Grid Properties Edit Security Session Timeout Max Value: from 60 - 31536000

## Documentation by Infoblox & Infoblox Community

- [Infoblox WAPI documentation¶](#)
- [REST API documentation](#)
- [Creating Extensible Attribute Using API](#)

## Configuration via Asset Manager GUI

 For deployment via the Linux shell, see [Deployment & Configuration via Asset Manager CLI](#).

To configure connectivity between the Asset Manager Command Center and the Infoblox server:

- 1. On the Asset Manager main menu, browse to **Settings > Integrations** and **Configure** Infoblox Integration
- 2. Provide connection credentials, described here:

Field	Example	Description
Polling Interval	24	How often (in hours) that Asset Manager should poll Infoblox for information
Server Name	10.101.33.44	The Server name or IP address of the Infoblox server.
Server User Name	infouser	Your Infoblox username
Server Password	*****	Your Infoblox password

- 3. Click Enable
- 4. For more on this integration's reports, see the [IP Address Management](#) page.

To see the results within Infoblox, log into Infoblox and browse to **Data Management > IPAM**.

## Using Infoblox GUI

To view managed and unmanaged CIDRs and IP address, brown in Infoblox to Data Management IPAM:



## 1. Navigate to Administration Extensible Attributes

The screenshot shows the Infoblox Administration console. The top navigation bar includes 'Administration' and 'Extensible Attributes'. The left sidebar has a 'Finder' section with links to Smart Folders, Bookmarks, Recycle Bin, and URL Links. The main content area is titled 'Extensible Attributes' and features a 'Quick Filter' dropdown set to 'None'. Below this is a table of attributes:

NAME	TYPE	COMMENT	REQUIRED	RESTRICTED TO	INHERITANCE ENABLED
Building	String		No	IPv4 Network, IP...	No
Country	String		No	IPv4 Network, IP...	No
IB Discovery O...	String		No		No
Region	String		No	IPv4 Network, IP...	No
ReportingSite	List		No	Member	No
Site	String		No		No
State	String		No	IPv4 Network, IP...	No
VLAN	String		No	IPv4 Network, IP...	No

2. You can add or import extensible attributes from here, if you want.



### Extensible Attributes

From 4.7 and later, Asset Manager-related Extensible Attributes are automatically created on the Infoblox server when an integration is enabled.

Add Extensible Attribute Wizard > Step 1 of 2

**Name**

**Type**

**Number of characters** Min  Max

**Comment**

To view extensible attributes from the CLI:

- ```
curl -s -k -u admin:infoblox -X GET "https://172.16.42.113/wapi/v2.8/extensibleattributedef?_return_fields=name,type,list_values" | grep "name"
```

```
"name": "Building",
"name": "Country",
"name": "Region",
"name": "Site",
"name": "State",
"name": "VLAN",
"name": "IB Discovery Owned",
"name": "Parental-Control-Policy",
"name": "Subscriber-Secure-Policy",
"name": "Proxy-All",
"name": "Black-List",
"name": "White-List",
"name": "PC-Category-Policy",
"name": "User-Name",
"name": "ReportingSite",
```

## To view/create/delete extensible attributes from Infoblox GUI: Administration Extensible Attributes:

This applies to versions 4.6 or earlier. As an example of creating "Operating System" extensible attribute:

```
curl -k -u infoadmin:infopass -X POST 'https://172.16.42.113/wapi/v2.11/extensibleattributedef' -H "Content-Type: application/json" -d '{"name": "Operating System", "type": "STRING"}'
```

Add extensible attributes as a column when listing IPs in Infoblox view.