INTRODUCTION
Infoblox IPAM Driver for Docker is a Docker Engine managed libnetwork driver that interfaces with the Infoblox DDI product to provide IP address management services for Docker containers. Docker libnetwork is a robust Container Network Model that provides a consistent programming interface and the required network abstractions for applications.

SYSTEM REQUIREMENTS
This section lists the system requirements for Infoblox IPAM Driver for Docker version 1.1:

- Docker version: 17.06.0-ce
- Ubuntu version: 16.04
- NIOS version: 8.2.x, 8.1.x, 8.0.x, 7.3.x, 7.2.x, 7.1.x

FEATURES
Release 1.1
This release provides the following features:

- A tool in the infoblox/docker-ipam-tools Docker image for configuring cloud extensible attributes in NIOS.
- Support for Docker Engine managed plugin system: the lifecycle of the Infoblox IPAM Driver for Docker version is now managed by Docker.
- Support for Docker Swarm Mode with networks supporting MACVLAN driver.
- Addition of the certified Infoblox IPAM image to Docker Store.

Release 1.0.1
No new features.

Release 1.0.0
Infoblox IPAM Driver for Docker version 1.0.0 provides the following features:

- IPv4 subnet creation, update and deletion
- IPv4 address allocation and deallocation
- Creation and deletion of IPAM network containers
- Creation and deletion of tagged networks

INSTALLATION AND CONFIGURATION
See the following links for details on installation, configuration, and usage of the Infoblox IPAM Driver for Docker:

- https://github.com/infobloxopen/docker-infoblox/blob/master/README.md

You can also visit the Infoblox Support site to download the Infoblox IPAM Driver for Docker User’s Guide that includes installation, configuration, and usage instructions.
KNOWN ISSUES

The following issues exist in this release of the Infoblox IPAM Driver for Docker:

- Infoblox IPAM Driver for Docker does not currently provide Container ID to NIOS. As a result, the VM ID and VM Name attributes are displayed as “N/A” in NIOS. In addition, the number displayed in the Networks column in the Cloud -> VMs tab of Grid Manager represents the total number of networks to which all VM Names = N/A are attached.

- In the swarm mode, if the Docker network is created without specifying a gateway address, Infoblox IPAM Driver for Docker creates a new gateway address for each host. If a gateway address is specified while creating the network, then the Driver uses that address as the gateway on all the nodes.

- After removing all service containers from a Docker swarm network, the network persists in NIOS.