

# Install NetBox

## Introduction

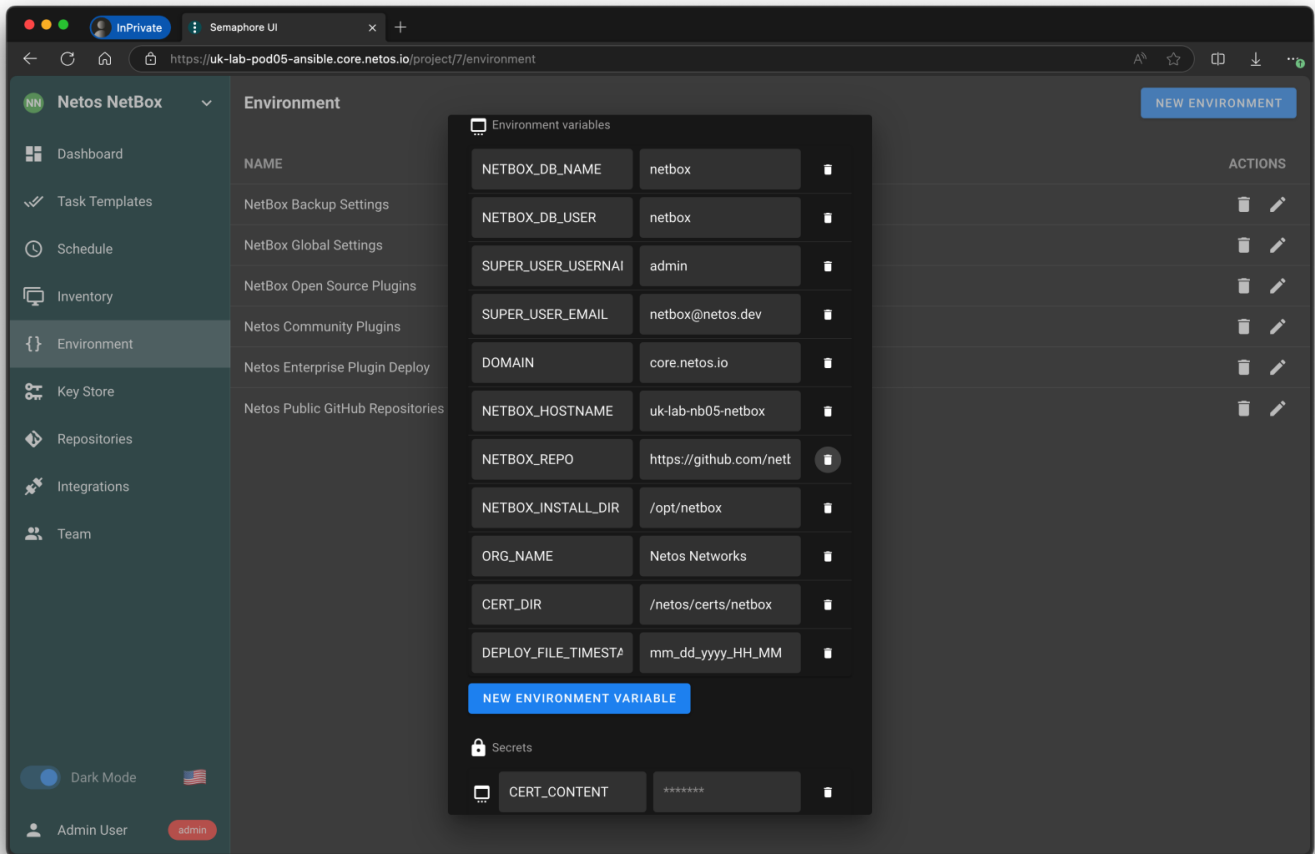
This guide details how to deploy a new instance of NetBox. For guidance on upgrading NetBox, please refer to this [Upgrade NetBox](#).

NetBox is installed from the [public GitHub repository](#) according to the version set in Semaphore (or proposed during an upgrade). Netos **has not forked** NetBox. Any customizations made by Netos are optional and controlled from within the NETOS view in the NetBox project in Semaphore.

## Configuration Guide

### 1. Configure the Semaphore Environment

You can set the `SUPER_USER` username, email, and password in the **NetBox Global Settings** environment settings, or just use the defaults for testing:

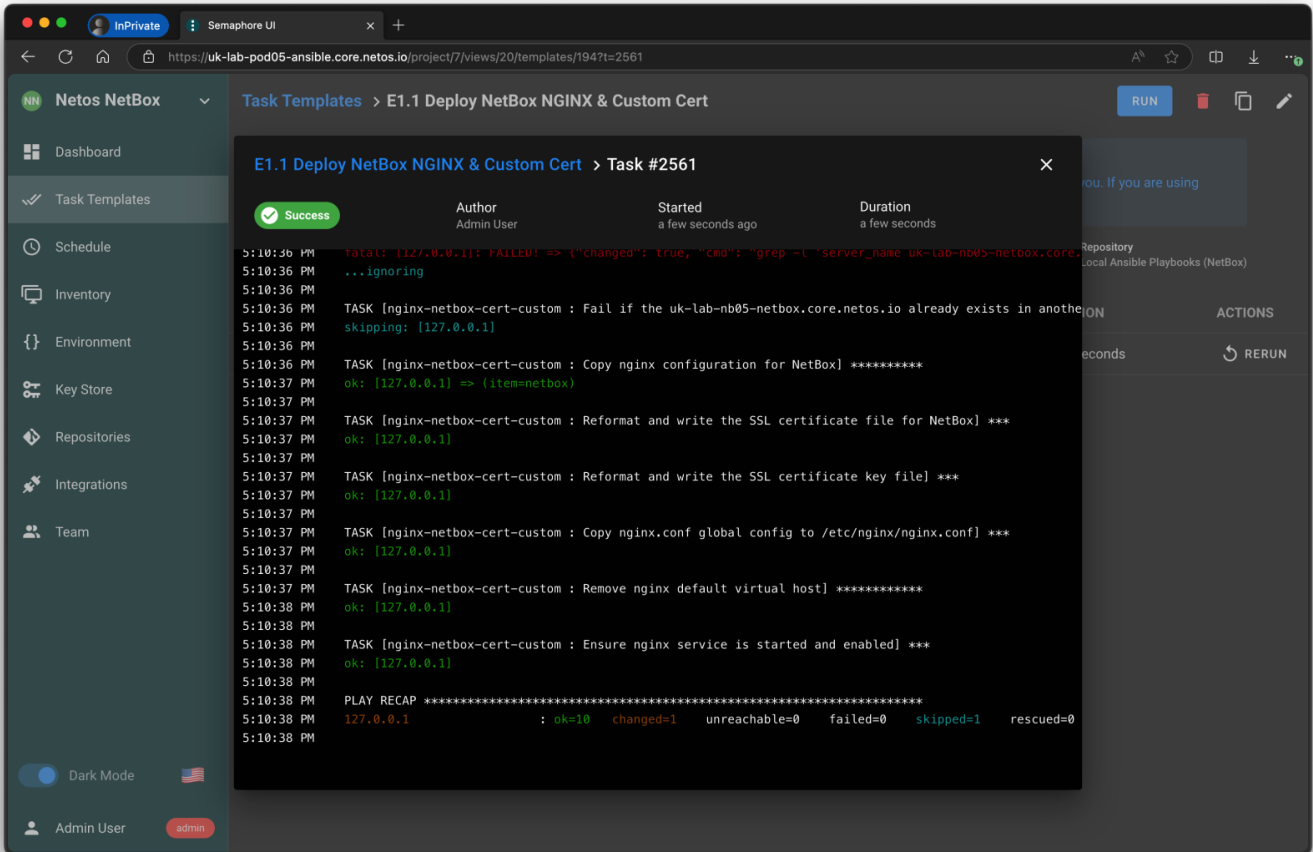


Please don't change the install directory from `/opt/netbox` as it is hard coded in configuration files and variables.

There is a [bug in Ansible Semaphore](#) that requires you to delete and recreate the secret value. Save doesn't work.

## 2. Deploy NGINX and the Cert

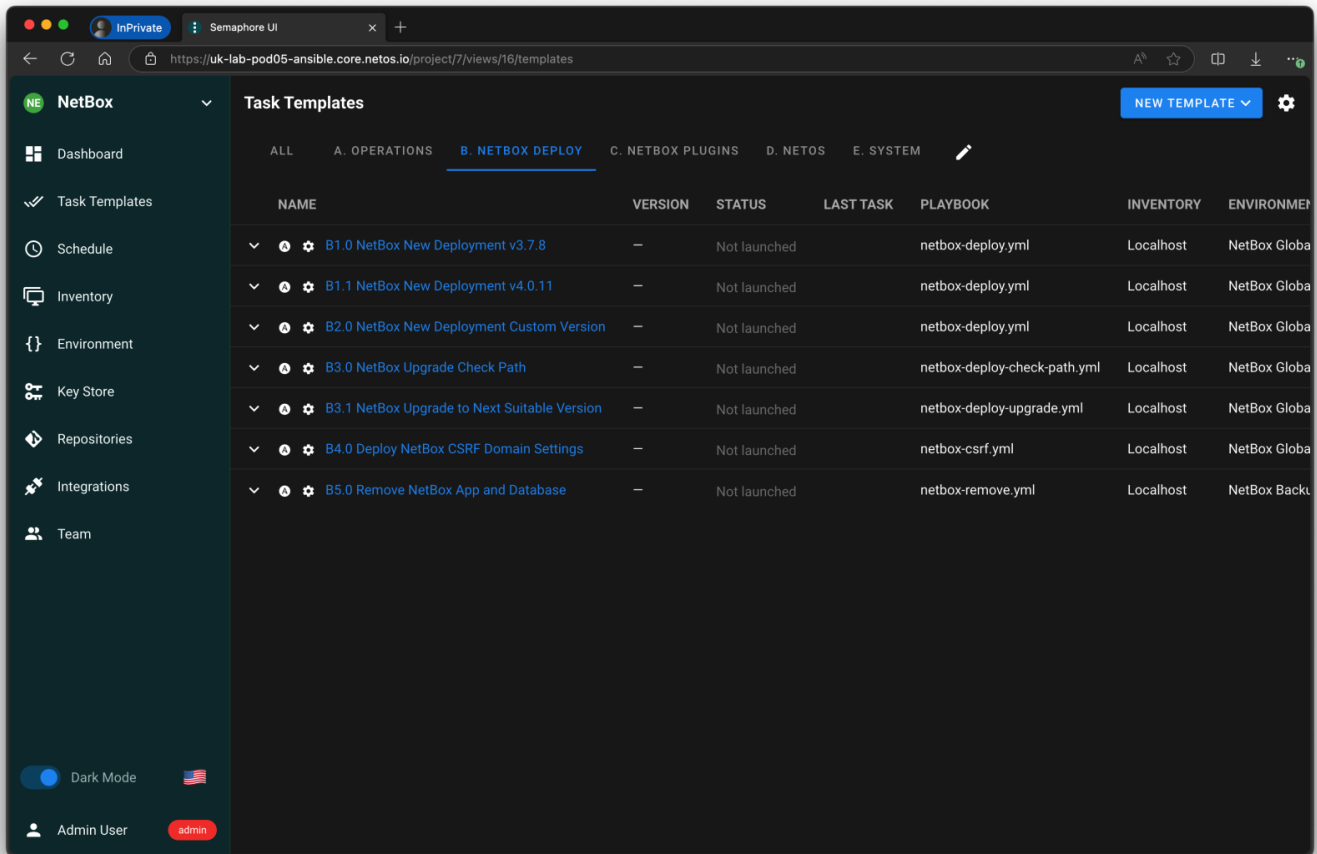
Refer to the following guide [Deploying NGINX & Certificates](#) for a detailed guide on deploying NGINX and certs. Once you've deployed, you'll see a screen like this and should be able to connect to a URL like <https://uk-lab-nb05-netbox.core.netos.io>.



You need to deploy NGINX because it configures the webserver to mount `alias /opt/netbox/netbox/static/;` correctly to avoid the Static Media Failure error.

### 3. Install NetBox

We have included pre-defined NetBox templates (which will be updated from time-to-time), for example, you can just click play on the Semaphore template to deploy NetBox `v3.7.8` or `v4.0.11`.



If you want to install a custom version of NetBox, you can do so by editing the tags in the Semaphore Template. For example, change `--tags=X.X.X` to `--tags=3.6.5`. This feature is useful for a migration, for example, if you wanted to migrate from a legacy NetBox instance, you could take a backup and [Restore](#), then [Upgrade](#).



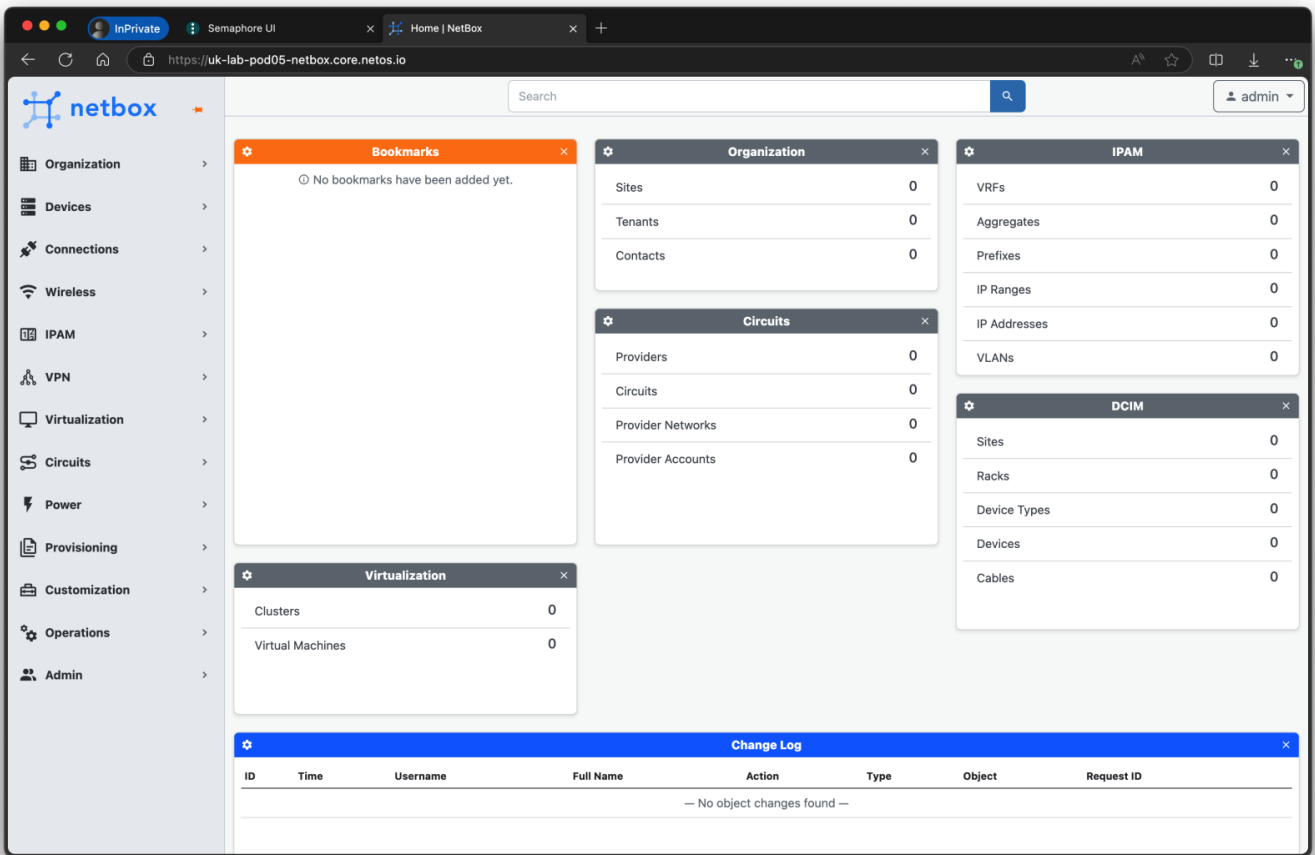
## 4. Connect to NetBox

Once you've deployed NetBox you can connect to the application based on the `NETBOX_HOSTNAME` and `DOMAIN` variables configured in the NetBox Global Setting environment.

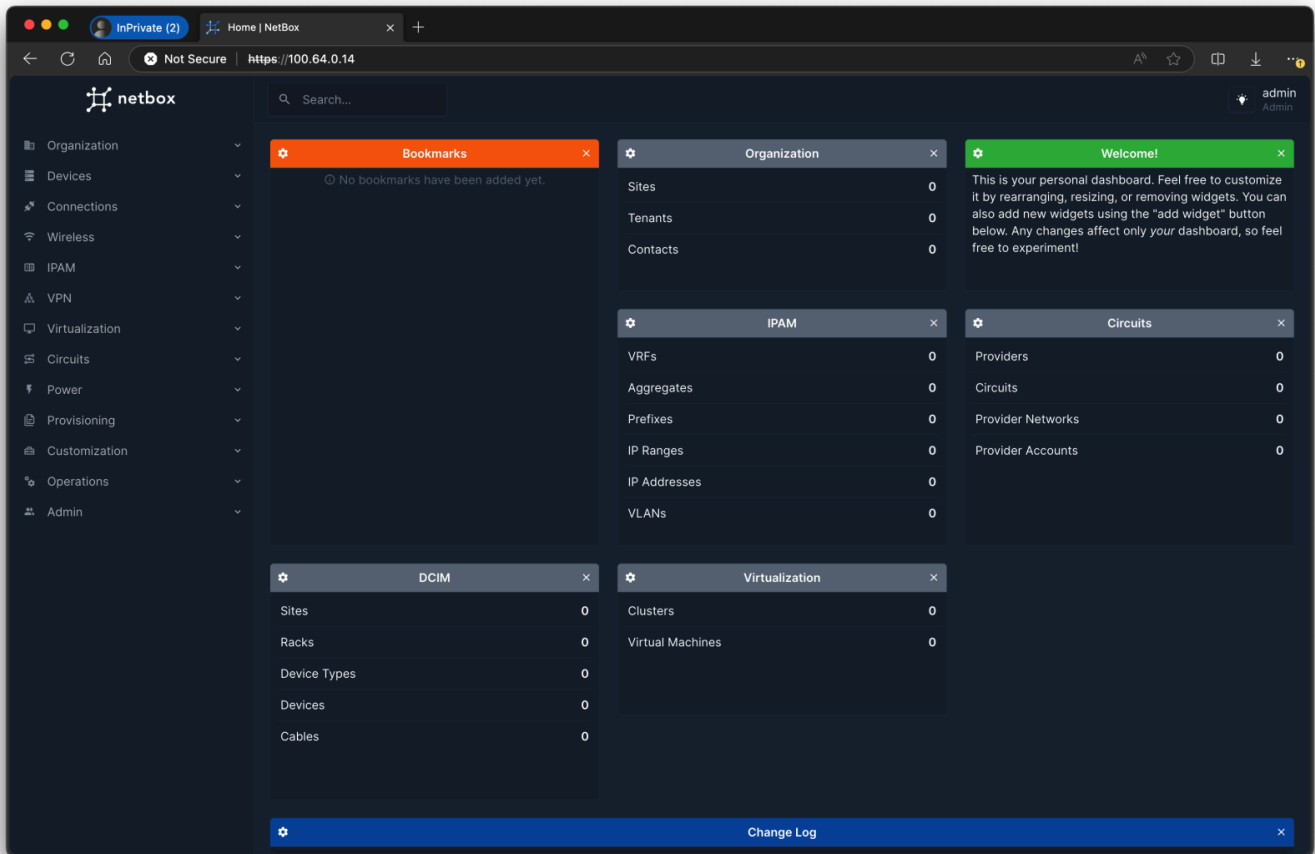
Check the [Users, Accounts, and Tokens](#) guide for full details on account and passwords. The default credentials are as follows:

- **Username:** `admin`
- **Password:** `ohp8toef7Jee`

### a. NetBox 3.7.8



### b. NetBox 4.0.11



# Thoughts About Docker

We (Netos) used and tested the [NetBox Docker](#) image for over 6 months. When we started to load test to simulate a large production enterprise environment, we experienced stability issues, especially when hitting the API hard, and also had to make a number of changes to the Docker NGINX configuration.

Others may have had success; however, we were unable to achieve stability (outside of development environments) with NetBox in Docker. The playbooks here install NetBox natively on the Linux operating system, and we've had no issues whatsoever.

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