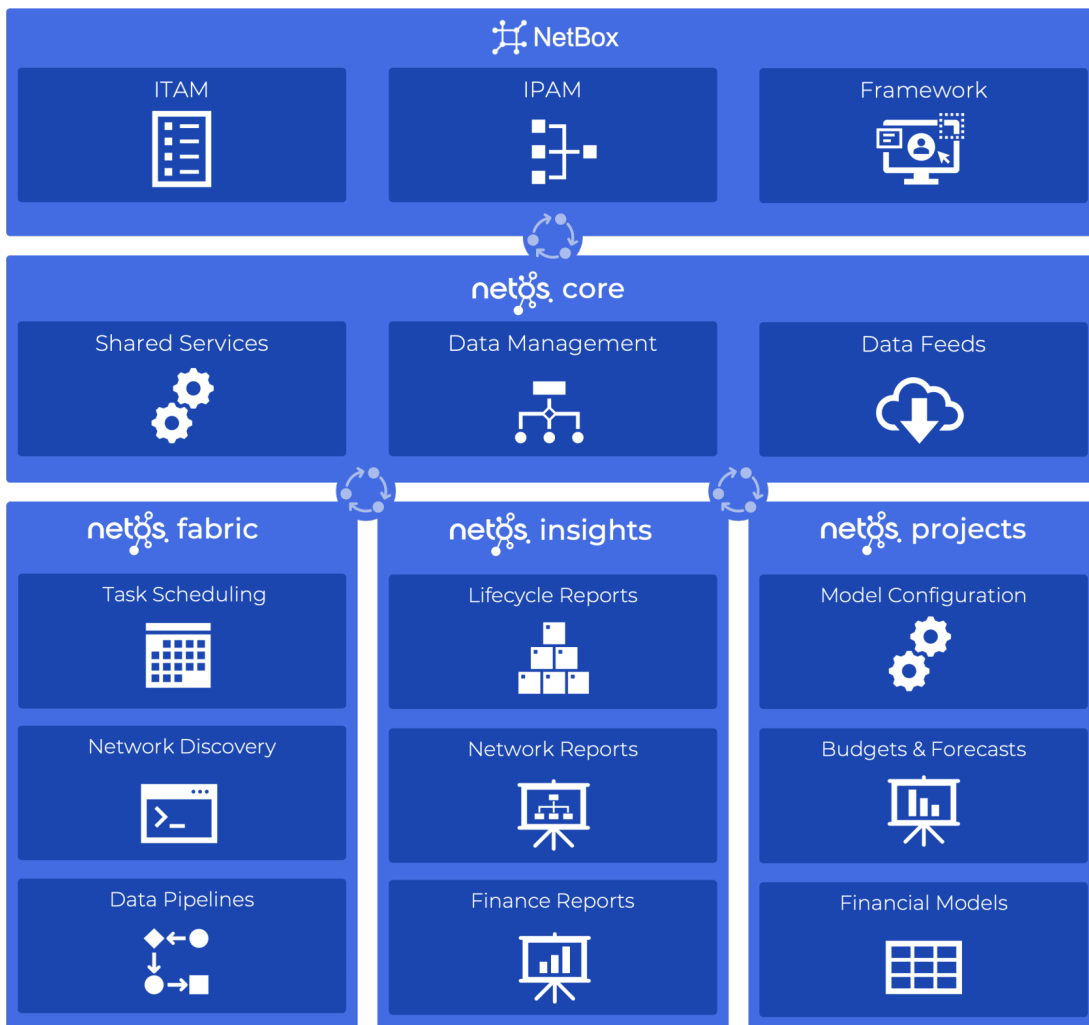


Deploy Netos Enterprise Plugins

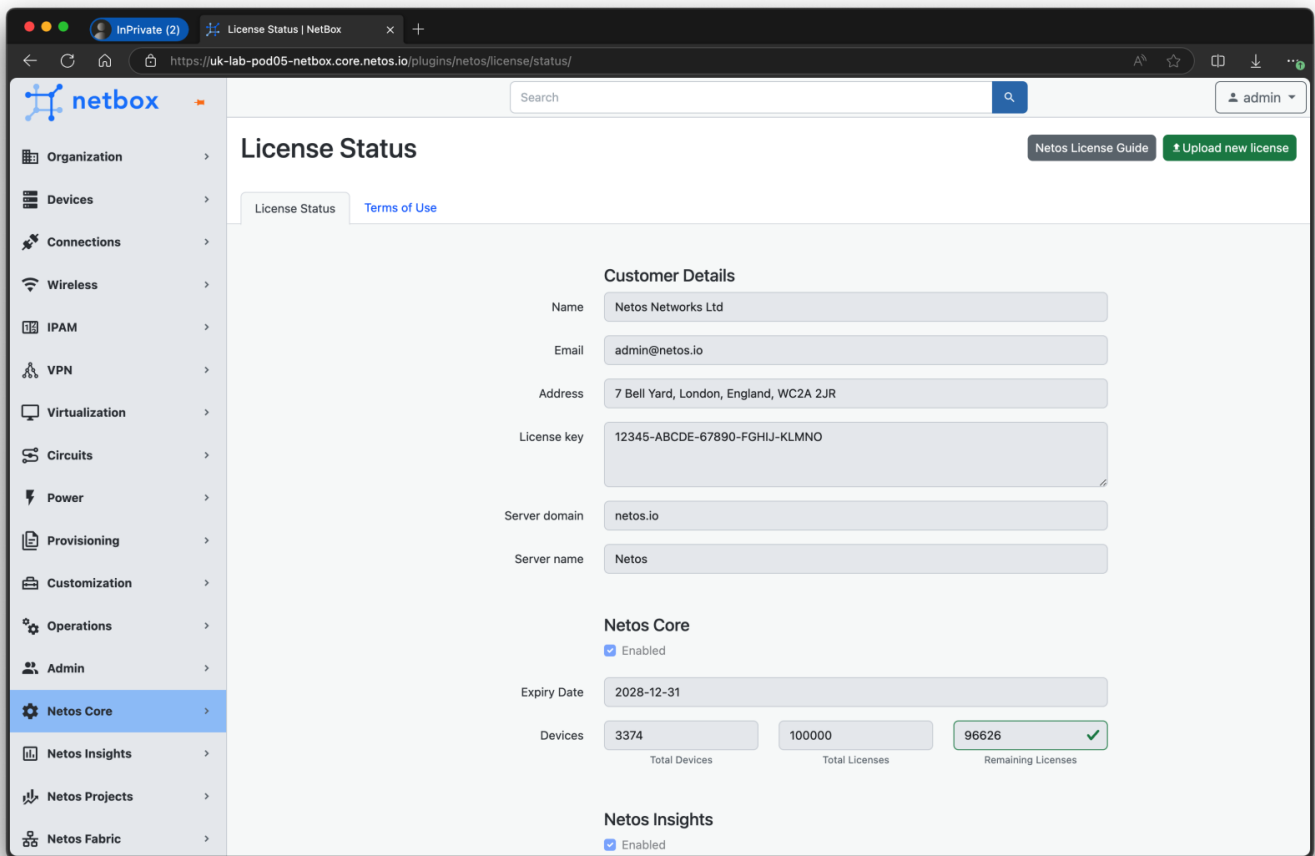
Introduction

This guide summarizes how to deploy licensed Netos enterprise plugins, which are compiled and licensed per-customer. The Netos Plugin architecture is as follows, and you can find out more [here](#).



License Status

You can check the license status for each plugin in Netos Core.

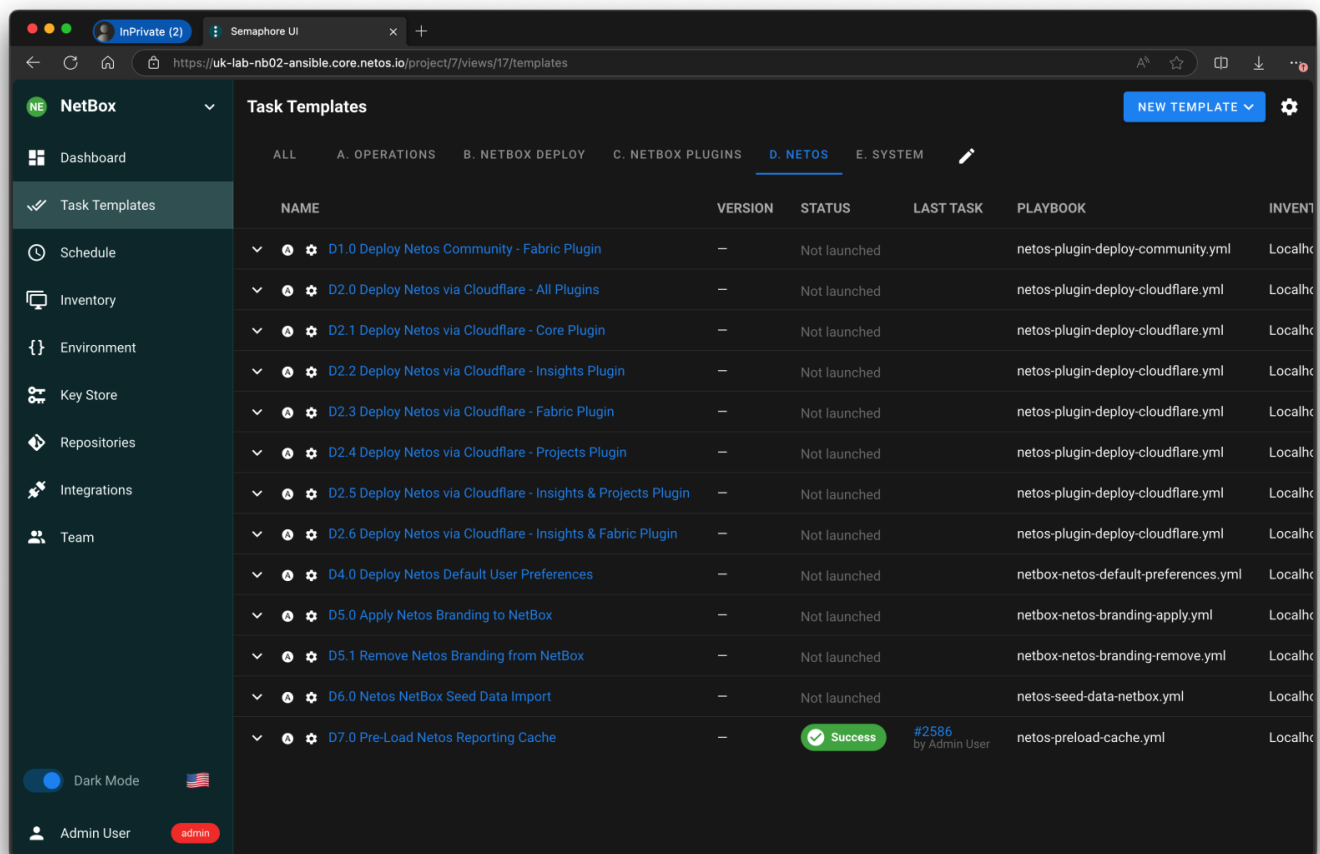


Securely Deploy with Cloudflare Zero Trust

Typically you will deploy via Cloudflare which is a two-stage authentication process built for Netos NetBox and Netos Pod deployments not directly connected to the Netos internal network. Tokens and enterprise settings are configured in the **Netos Enterprise Plugin** environment in Semaphore.

1. Using the following ID and secret the deployment playbook will authenticate to Cloudflare Zero Trust to enable pass through to our secure GitLab server.
 1. `CF_ACCESS_CLIENT_ID`
 2. `CF_ACCESS_CLIENT_SECRET`
2. The playbook will then authenticate to your dedicated private repository using your customer ID and token:
 1. `CUSTOMER_ID`

2. `CUSTOMER_TOKEN`
3. The plugins are downloaded and installed.



Deployment Process

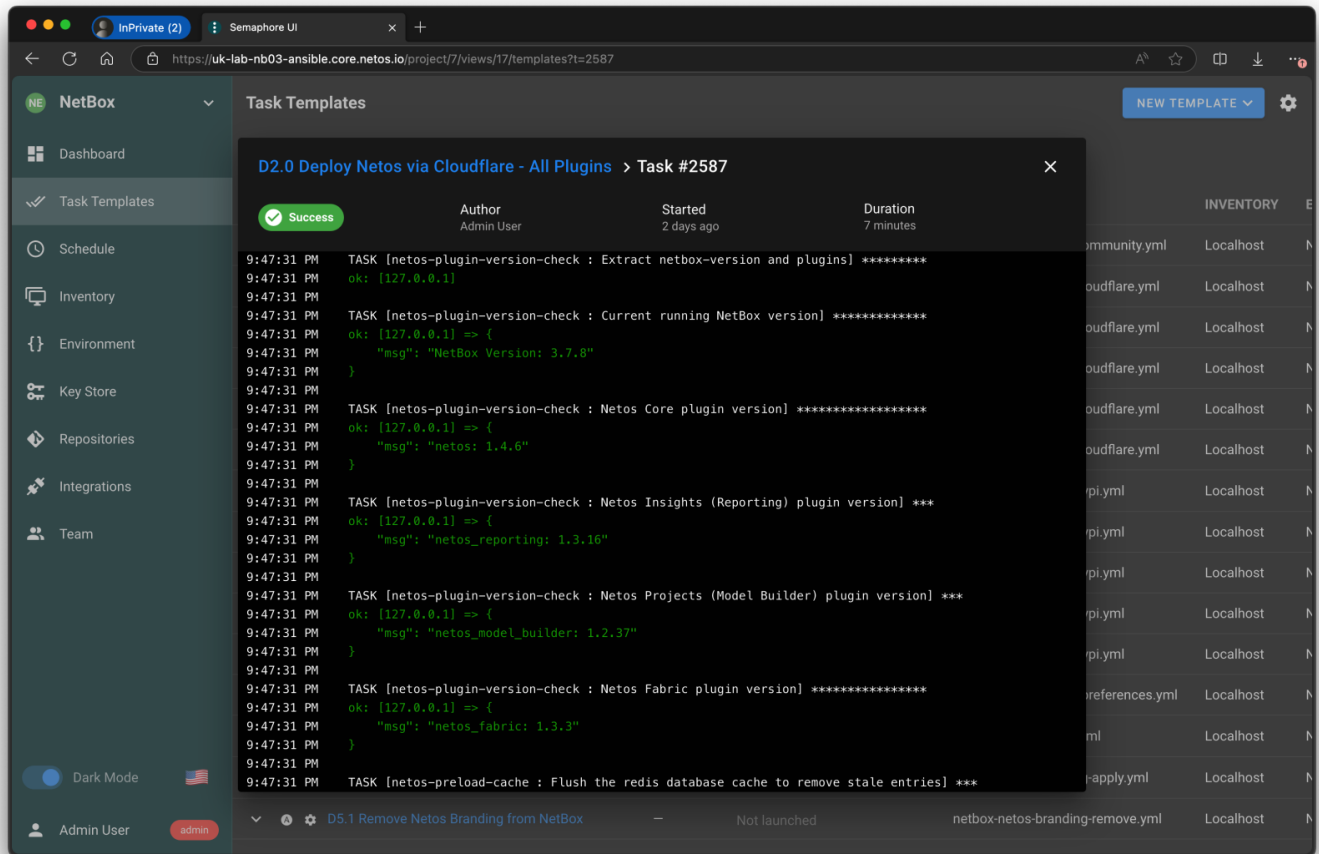
First the Python dependencies will be checked and if missing installed using `pip`.

The screenshot displays the NetBox Semaphore UI interface. On the left is a sidebar with navigation links: NetBox, Dashboard, Task Templates (selected), Schedule, Inventory, Environment, Key Store, Repositories, Integrations, and Team. The main area shows the 'Task Templates' page with a modal window open for 'D2.0 Deploy Netos via Cloudflare - All Plugins' (Task #2587). The modal indicates a 'Success' status, authored by 'Admin User', started '2 days ago', and took '7 minutes' to complete. The task log shows the following steps:

- 9:40:22 PM TASK [netos-plugin-dependency-check : Ensure required Python packages for Netos Plugins are installed]
- 9:40:23 PM ok: [127.0.0.1] => (item={'name': 'pandas', 'version': '2.2.1'})
- 9:40:24 PM ok: [127.0.0.1] => (item={'name': 'openpyxl', 'version': '3.1.2'})
- 9:40:24 PM ok: [127.0.0.1] => (item={'name': 'xlswriter', 'version': '3.1.2'})
- 9:40:25 PM ok: [127.0.0.1] => (item={'name': 'croniter', 'version': '2.0.1'})
- 9:40:26 PM ok: [127.0.0.1] => (item={'name': 'elasticsearch', 'version': '8.8.0'})
- 9:40:27 PM ok: [127.0.0.1] => (item={'name': 'numpy', 'version': '1.26.4'})
- 9:40:27 PM TASK [netos-plugin-dependency-check : Check if setuptools is installed] *****
- 9:40:27 PM changed: [127.0.0.1]
- 9:40:27 PM TASK [netos-plugin-dependency-check : Install setuptools in the virtual environment if not present] **
- 9:40:27 PM skipping: [127.0.0.1]
- 9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Check authentication for Netos GitLab plugin download] ***
- 9:40:28 PM changed: [127.0.0.1]
- 9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Get current enabled NetBox plugins from the NetBox configuration]
- 9:40:28 PM changed: [127.0.0.1]
- 9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Prepare a list of existing plugins from the NetBox configuration]
- 9:40:28 PM ok: [127.0.0.1]
- 9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Add netos to current plugins list if not already present] ***
- 9:40:28 PM ok: [127.0.0.1]
- 9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Update PLUGINS entry in configuration.py with values of Netos a]
- 9:40:28 PM ok: [127.0.0.1]

At the bottom of the modal, a task 'D5.1 Remove Netos Branding from NetBox' is shown as 'Not launched'.

Once the plugins are deployed, the latest plugin versions are displayed.



Enterprise Support

Please speak with Netos Support for any assistance with this process. This is just a high-level guide.

Revision #3

Created 23 September 2024 17:05:25 by Richard Foster

Updated 30 September 2024 10:16:46 by Richard Foster