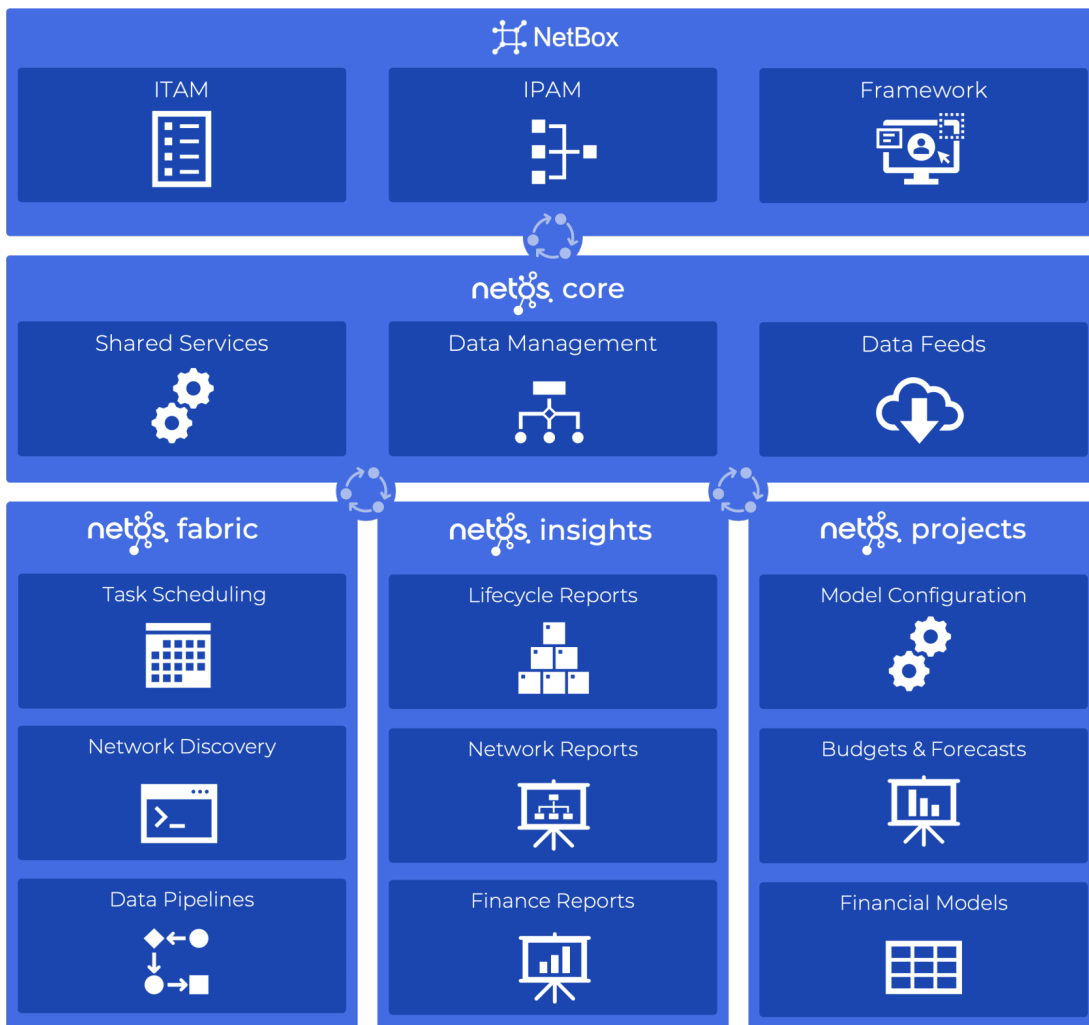


Deploy Netos Enterprise Plugins

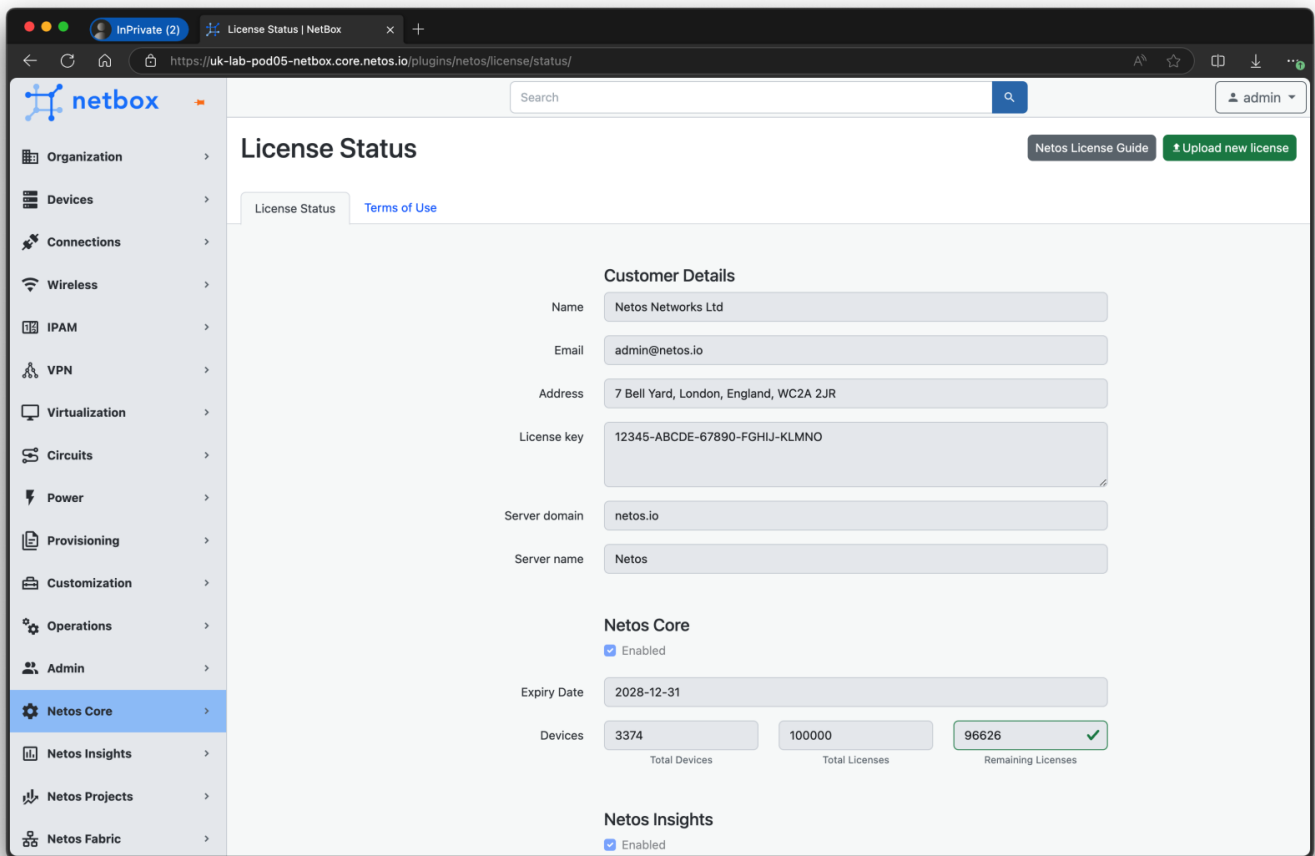
Introduction

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.

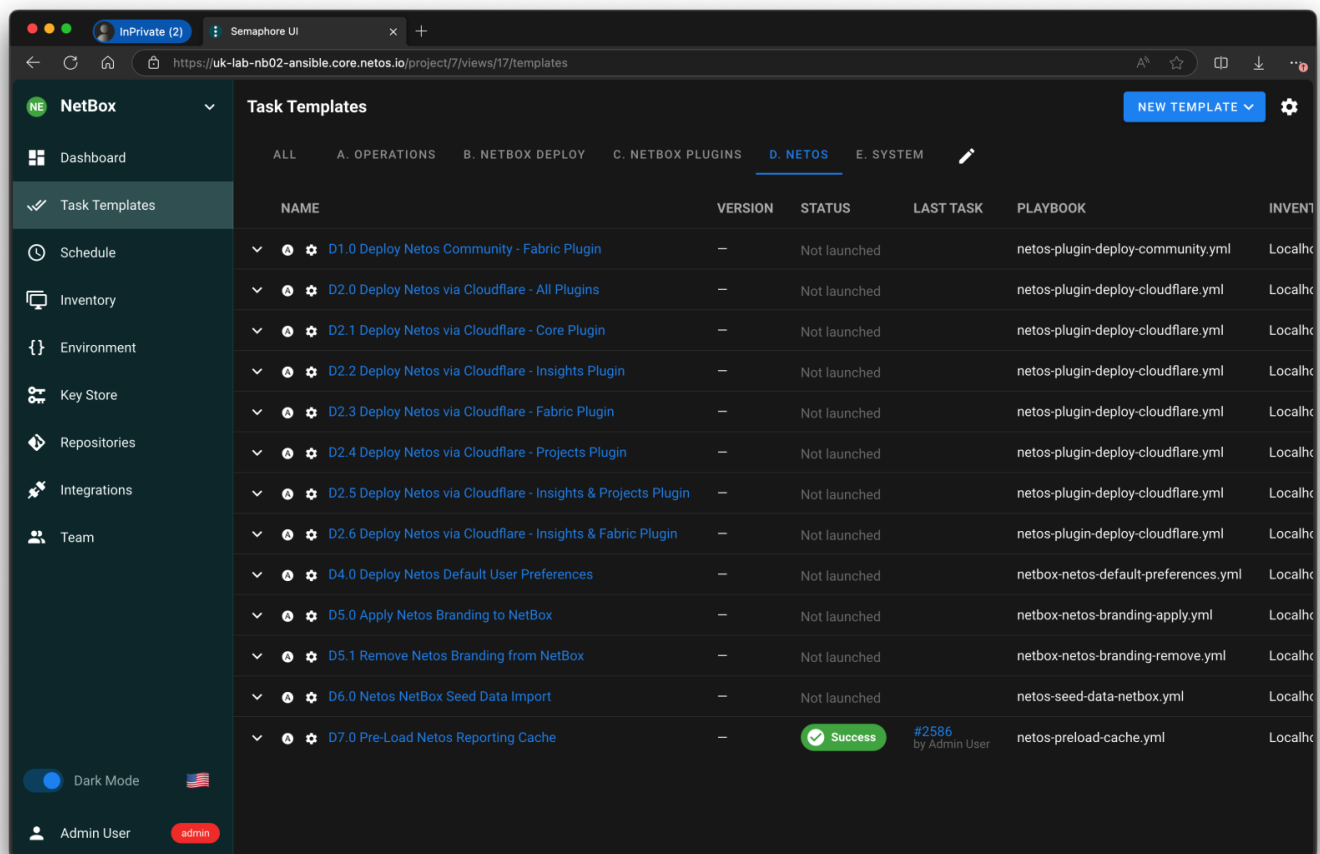


Securely Deploy with Cloudflare Zero Trust

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`.

Screenshot of the NetBox Semaphore UI showing the Task Templates page. The task "D2.0 Deploy Netos via Cloudflare - All Plugins" (Task #2587) is displayed, showing a successful execution log. The log details the installation of various Python packages (pandas, openpyxl, xlswriter, croniter, elasticsearch, numpy) and the deployment of Netos plugins via Cloudflare. The task was executed by Admin User, started 2 days ago, and lasted 7 minutes.

Task Templates

D2.0 Deploy Netos via Cloudflare - All Plugins > Task #2587

Success Author: Admin User Started: 2 days ago Duration: 7 minutes

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]

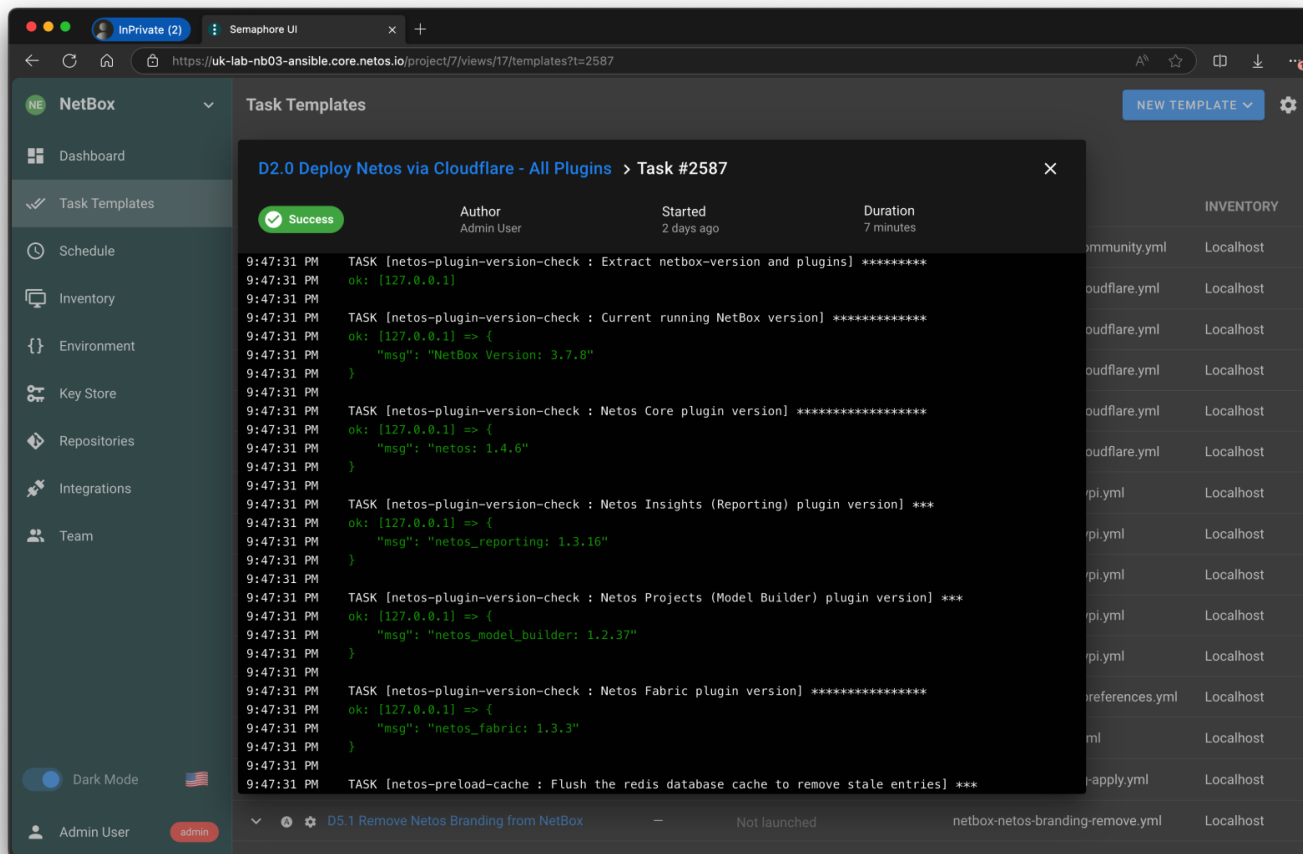
9:40:28 PM TASK [netos-plugin-deploy-cloudflare : Update PLUGINS entry in configuration.py with values of Netos a]

9:40:28 PM ok: [127.0.0.1]

9:40:28 PM

▼ ⚙️ D5.1 Remove Netos Branding from NetBox — Not launched netbox-netos-branding-remove.yml Localhost

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