

# Create NetBox API Token for Airflow

## Introduction

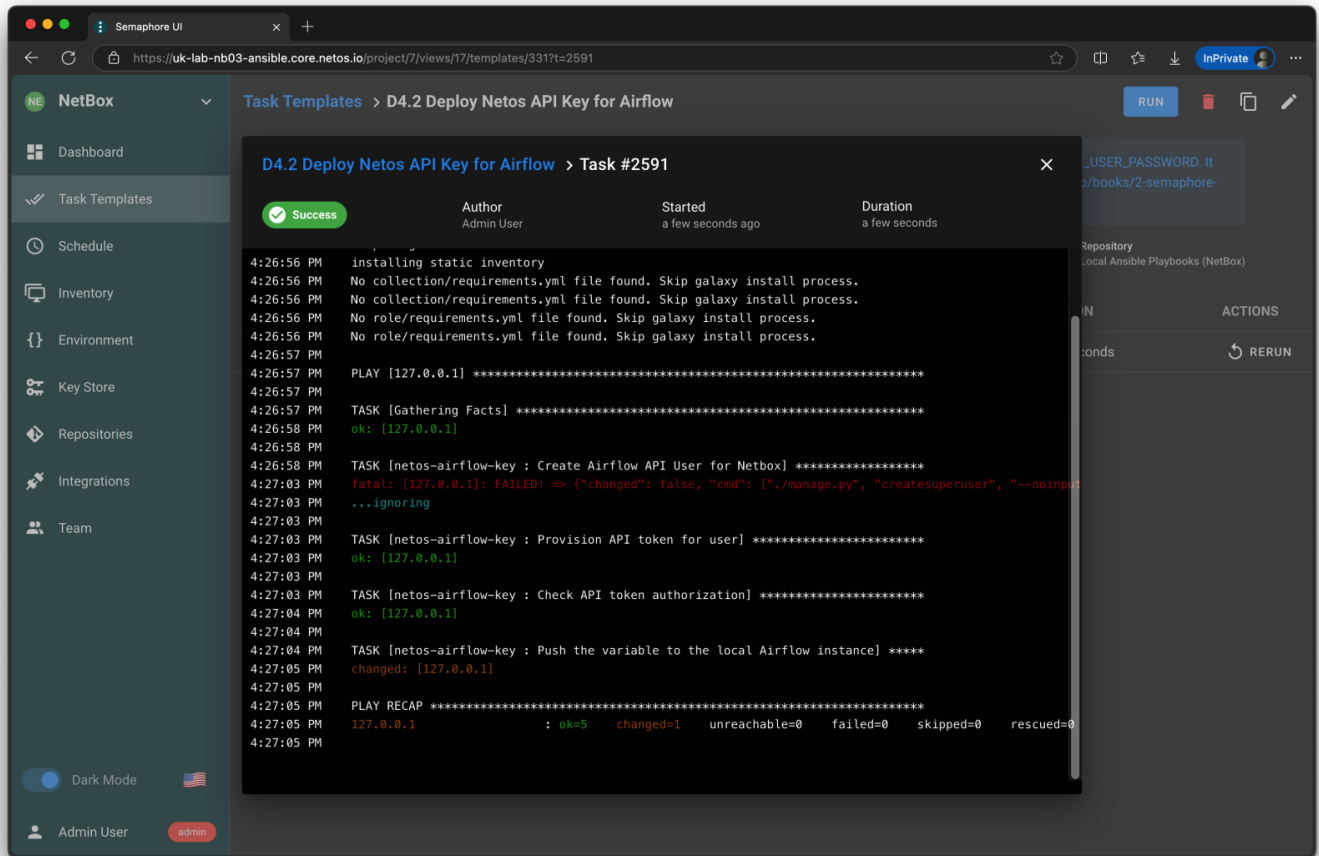
This task will provision an API key in NetBox to allow Netos Pod (Airflow) to pull and push data into NetBox. The playbook will perform the following steps:

1. Create a NetBox user called `airflow_api` with a `superuser` role.
2. Generate an API key for the `airflow_api` user (meaning that any updates from Airflow are clearly attributed to Airflow, i.e. Netos Pod).
3. Configure the `NETBOX_API_KEY` variable in Airflow.

This solution assumes that Airflow is running on the local server. For remotely connected **NetBox <> Netos Pod** configurations, please set the API manually in Airflow.

## The Playbook

The "Create API User" task failed because the user exists. In this case it will refresh the token used by Airflow.



## Airflow

The NetBox API key is created. If the key is wrong, the Global Orchestration DAG will not start and will show an authentication error in the logs.

List Variable - Airflow

https://uk-lab-nb03-airflow.core.netos.io/variable/list/

Airflow

DAGsCluster ActivityDatasetsSecurityBrowseAdminDocs

15:29 UTC

Q

ANSIBLE\_SERVER\_IP\_ADDRESSlocalhostFalse

Q

ANSIBLE\_SERVER\_SSH\_KEY/opt/airflow/dagFalse

Q

ANSIBLE\_SERVER\_USERsvc\_ansibleFalse

Q

API\_DEBUGenabledFalse

Q

DEFAULT\_MAX\_DB\_ENTRY\_AGE\_IN\_DAYS14False

Q

ELASTIC\_API\_BASE\_URLhttp://127.0.0.1:9200/False

Q

ELASTIC\_API\_KEY\*\*\*\*\*False

Q

FILE\_PATH\_GET\_JOB\_OUTPUT/opt/airflow/dags/includes/scripts/get-job-output.shFalse

Q

FILE\_PATH\_SIMULATE\_JOB\_OUTPUT/opt/airflow/dags/includes/scripts/simulate-job-output.shFalse

Q

FILE\_PATH\_TEST\_JOB\_OUTPUT/opt/airflow/dags/includes/scripts/test-job-output.shFalse

Q

NETBOX\_API\_BASE\_URLhttp://127.0.0.1:8001/False

Q

NETBOX\_API\_KEY\*\*\*\*\*False

Q

POD\_AIRFLOW\_NAMEuk-lab-nb03-airflowFalse

Q

POD\_COMMON\_DOMAINcore.netos.ioFalse

Q

POD\_ELASTIC\_NAMEuk-lab-nb03-elasticFalse

Q

POD\_IP\_AIRFLOW127.0.0.1False

Q

POD\_IP\_ELASTIC127.0.0.1False

Q

POD\_IP\_KIBANA127.0.0.1False

Q

POD\_IP\_NETBOX127.0.0.1False

Q

POD\_KIBANA\_NAMEuk-lab-nb03-kibanaFalse

Q

SCROLL\_PAGE\_SIZE1500False

Q

WORKING\_DIR/opt/airflow/dags/False

Variables

Configurations

Connections

Plugins

Providers

Pools

XComs

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