

# how-to\_Manage\_AWX

- Inventories
  - Static Inventory
  - Groups
- Credentials
- Projects
- Templates
- Adhoc
- Schedules
- Vault

## Inventories

This section covers how-to add inventories in AWX.

## Static Inventory

To import a static inventory list can be done in AWX console using the awx-manage command.

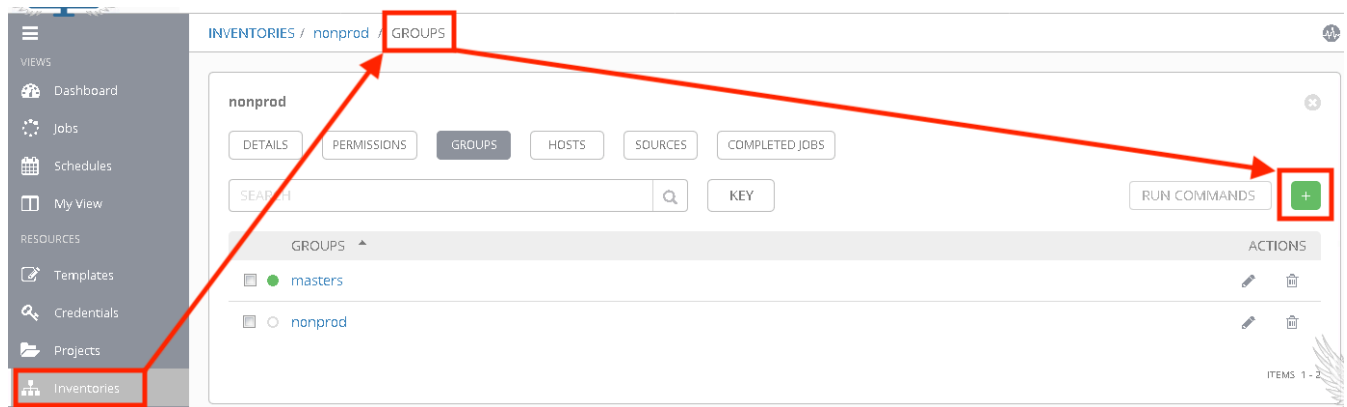
The text file is predefined.

```
awx-manage
awx-manage inventory_import --source=./nonprod --inventory-name="
nonprod"
```

## Groups

Once the list of hosts has been populated create a group and populate.

From **Inventories** click > the newly created inventory in this example: **nonprod** > click **GROUPS** > click + sign



Fill out **NAME** > **DESCRIPTION** > click **SAVE**

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ACCESS

CREATE GROUP

DETAILS GROUPS HOSTS

\* NAME  DESCRIPTION

VARIABLES

1 ---

CANCEL SAVE

Once the group has been created within the **nonprod** inventory click > the **infra** group > click **HOSTS** > click **+** sign to add existing hosts.

AWX

ofeawx.admin

INVENTORIES / nonprod / GROUPS / infra / ASSOCIATED HOSTS

infra

DETAILS GROUPS HOSTS

RUN COMMANDS +

PLEASE ADD ITEMS TO THIS LIST

Visit the [documentation](#) for the latest inventory documentation.

## Credentials

Steps to set up login credentials used for playbooks and roles.

Add SSH credentials for our example project.

**Credentials** > click **+** > fill in **NAME** > **DESCRIPTION** > **ORGANIZATION** > **USERNAME** > **SSH PRIVATE KEY** > click **SAVE**

CREDS / CREATE CREDENTIAL

NEW CREDENTIAL

DETAILS PERMISSIONS

\* NAME **nonprod** DESCRIPTION **NonProd** ORGANIZATION **OFEOSE**

\* CREDENTIAL TYPE **Machine**

TYPE DETAILS

USERNAME **root** PASSWORD **SHOW** ☐ Prompt on launch

SSH PRIVATE KEY HINT: Drag and drop an SSH private key file on the field below.

-----END PRIVATE KEY-----

PRIVATE KEY PASSPHRASE ☐ Prompt on launch **SHOW**

PRIVILEGE ESCALATION METHOD **SHOW** PRIVILEGE ESCALATION USERNAME

PRIVILEGE ESCALATION PASSWORD ☐ Prompt on launch **SHOW**

CANCEL SAVE

Add a second account to log in to git.

CREDS / CREATE CREDENTIAL

NEW CREDENTIAL

DETAILS PERMISSIONS

\* NAME **GITEA** DESCRIPTION **GITEA\_CREDS** ORGANIZATION **OFEOSE**

\* CREDENTIAL TYPE **Source Control**

TYPE DETAILS

USERNAME **awx** PASSWORD **SHOW** ☐ Prompt on launch

SCM PRIVATE KEY HINT: Drag and drop an SSH private key file on the field below.

PRIVATE KEY PASSPHRASE ☐ Prompt on launch **SHOW**

CANCEL SAVE

## Projects

Create a project which contains the code to run as an Ansible role.

**Projects** fill out > **NAME** > **DESCRIPTION** > **ORGANIZATION** > **SCM TYPE** > **SOURCE DETAILS** > **SCM CREDENTIAL** > click **SAVE**.

PROJECTS / gitea-role-dir-cleanup

**gitea-role-dir-cleanup**

DETAILS | PERMISSIONS | NOTIFICATIONS | JOB TEMPLATES | SCHEDULES

\* NAME: gitea-role-dir-cleanup

DESCRIPTION: ROLE\_DIR\_CLEANUP

\* ORGANIZATION: OFEOSE

\* SCM TYPE: Git

SOURCE DETAILS

\* SCM URL: https://registry-ocp-ctc.optumfe.com/ofe\_openshift/role\_dir\_cleanup

SCM BRANCH/TAG/COMMIT

SCM CREDENTIAL: GITEA

SCM UPDATE OPTIONS

- ☐ Clean
- ☐ Delete on Update
- ☐ Update Revision on Launch

CANCEL SAVE

When done and project has synced successfully you will notice the status green.

PROJECTS

PROJECTS 1

SEARCH

● gitea-role-dir-cleanup GIT

REVISION	9e699d5	
ORGANIZATION	OFEOSE	
LAST MODIFIED	11/12/2018 4:19:41 PM	
LAST USED	11/12/2018 4:19:41 PM	

## Templates

Templates are the equivalent to a playbook.

Create a template: **Templates** > fill in **NAME** > **DESCRIPTION** > **JOB TYPE** > **INVENTORY** > **PROJECT** > **PLAYBOOK** > **CREDENTIAL** > **VERBOSITY** > click **SAVE**.

**NEW JOB TEMPLATE**

DETAILS PERMISSIONS NOTIFICATIONS COMPLETED JOBS SCHEDULES ADD SURVEY

\*NAME: ROLE\_DIR\_CLEANUP DESCRIPTION: Role to clean up dirs \*JOB TYPE: Run PROMPT ON LAUNCH

\*INVENTORY: nonprod PROMPT ON LAUNCH \*PROJECT: gitea-role-dir-cleanup PROMPT ON LAUNCH \*PLAYBOOK: pb\_role\_dir\_cleanup.yaml PROMPT ON LAUNCH

CREDENTIAL: nonprod PROMPT ON LAUNCH FORKS: DEFAULT LIMIT: 1002apfrs00021.optumfme.com PROMPT ON LAUNCH

\*VERBOSITY: 0 (Normal) PROMPT ON LAUNCH JOB TAGS: PROMPT ON LAUNCH SKIP TAGS: PROMPT ON LAUNCH

LABELS: PROMPT ON LAUNCH INSTANCE GROUPS: PROMPT ON LAUNCH JOB SLICING: 1

SHOW CHANGES: OFF PROMPT ON LAUNCH OPTIONS: Enable Privilege Escalation, Allow Provisioning Callbacks, Enable Concurrent Jobs, Use Fact Cache

EXTRA VARIABLES: YAML JSON PROMPT ON LAUNCH

1 ---

CANCEL SAVE

## Adhoc

Place holder for adhoc how-to.

## Schedules

For this example start **Templates** > click **template\_name** you want to schedule > click **SCHEDULES** > click + sign

**ROLE\_DIR\_CLEANUP**

DETAILS PERMISSIONS NOTIFICATIONS COMPLETED JOBS SCHEDULES

PLEASE ADD ITEMS TO THIS LIST

+

Fill out the required fields **NAME** > **START DATE** > **START TIME** > **LOCAL TIME ZONE** > **REPEAT FREQUENCY** > **FREQUENCY** **DETAILS** > **END** > click save.

Jobs

Schedules

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ADMINISTRATION

Credential Types

Notifications

Management Jobs

Instance Groups

Applications

\* NAME

dir\_cleanup\_schedule

\* START DATE

11/13/2018

\* START TIME (HH:MM:SS)

09:35:00

\* LOCAL TIME ZONE

America/Chicago

\* REPEAT FREQUENCY

Hour

FREQUENCY DETAILS

\* EVERY

1

HOURS

\* END

Never

SCHEDULE DESCRIPTION

every hour

OCCURRENCES (Limited to first 10) DATE FORMAT LOCAL TIME ZONE UTC

11-13-2018 09:35:00  
11-13-2018 10:35:00  
11-13-2018 11:35:00  
11-13-2018 12:35:00  
11-13-2018 13:35:00  
11-13-2018 14:35:00  
11-13-2018 15:35:00  
11-13-2018 16:35:00  
11-13-2018 17:35:00  
11-13-2018 18:35:00

CANCEL

SAVE

## Vault

To deploy tasks utilizing vault encrypted files / variables - first create a **vault credential type** utilizing the password used to encrypt your files.

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Teams

role\_vault

DETAILS PERMISSIONS

\* NAME

role\_vault

DESCRIPTION

Vault Cred

ORGANIZATION

\* CREDENTIAL TYPE

Vault

TYPE DETAILS

\* VAULT PASSWORD

REPLACE ENCRYPTED

Prompt on launch

VAULT IDENTIFIER

CANCEL

SAVE

CREDENTIALS 3

SEARCH

KEY

+

In your **template** under **credential** add the newly created vault credential and save.



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## ROLE\_DIR\_CLEANUP



- DETAILS
- PERMISSIONS
- NOTIFICATIONS
- COMPLETED JOBS
- SCHEDULES
- ADD SURVEY

* NAME	DESCRIPTION	* JOB TYPE
ROLE_DIR_CLEANUP	Role to clean up dirs	Run
* INVENTORY	* PROJECT	* PLAYBOOK
nonprod	gitea-role-dir-cleanup	pb_role_dir_cleanup.yaml
* CREDENTIAL	FORKS	LIMIT
nonprod role_vault	DEFAULT	
* VERBOSITY	JOB TAGS	SKIP TAGS
0 (Normal)		
LABELS	INSTANCE GROUPS	JOB SLICING
		1
SHOW CHANGES	OPTIONS	
OFF	<ul style="list-style-type: none"><li>Enable Privilege Escalation </li><li>Allow Provisioning Callbacks </li><li>Enable Concurrent Jobs </li><li>Use Fact Cache </li></ul>	
EXTRA VARIABLES		
YAML JSON		

PROMPT ON LAUNCH