

Private Automation Hub

RHUG - Février 2021

Dan Leroux

red.ht/get_ansible

Agenda

- Installation
- Qu'est-ce qu'une collection?
- Historique sur les collections
- Comparaison des différents 'hubs'
- Permissions, groupes et usagers
- Synchronisation du contenu Certifié Red Hat
- Synchronisation avec Galaxy
- Creation de namespaces et de collections
- Télécharger une collection
- Intégration avec Tower

Installation

Inventory file

```
[tower]
tower2.nleroux.ca

[automationhub]
pah2.nleroux.ca
.....
automationhub_admin_password=*****
automationhub_pg_host='tower2.nleroux.ca'
automationhub_pg_port='5432'
.....
```

- l'installation du private automation hub peut se faire en même temps que tower ou séparément.
- executer setup.sh

setup.sh results

```
PLAY [Install Tower isolated node(s)] *****
skipping: no hosts matched

PLAY RECAP *****
pah2.nleroux.ca      : ok=311 changed=92 unreachable=0 failed=0 skipped=202 rescued=0 ignored=0
tower2.nleroux.ca   : ok=190 changed=91 unreachable=0 failed=0 skipped=78 rescued=0 ignored=2

The setup process completed successfully.
Setup log saved to /var/log/tower/setup-2021-02-15-13:37:09.log.
```

Qu'est-ce qu'une collection?



playbooks



roles



tests

- C'est une structure de répertoires avec le contenu suivant:



modules



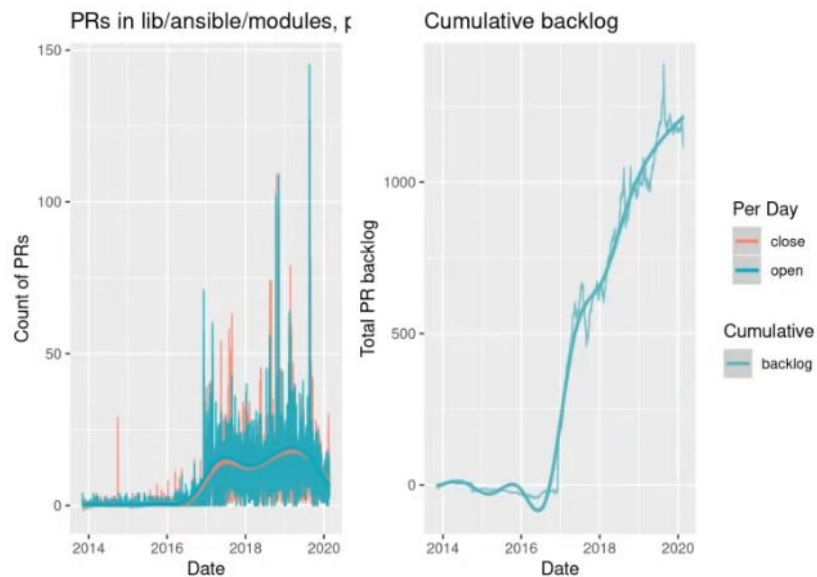
docs



plugins

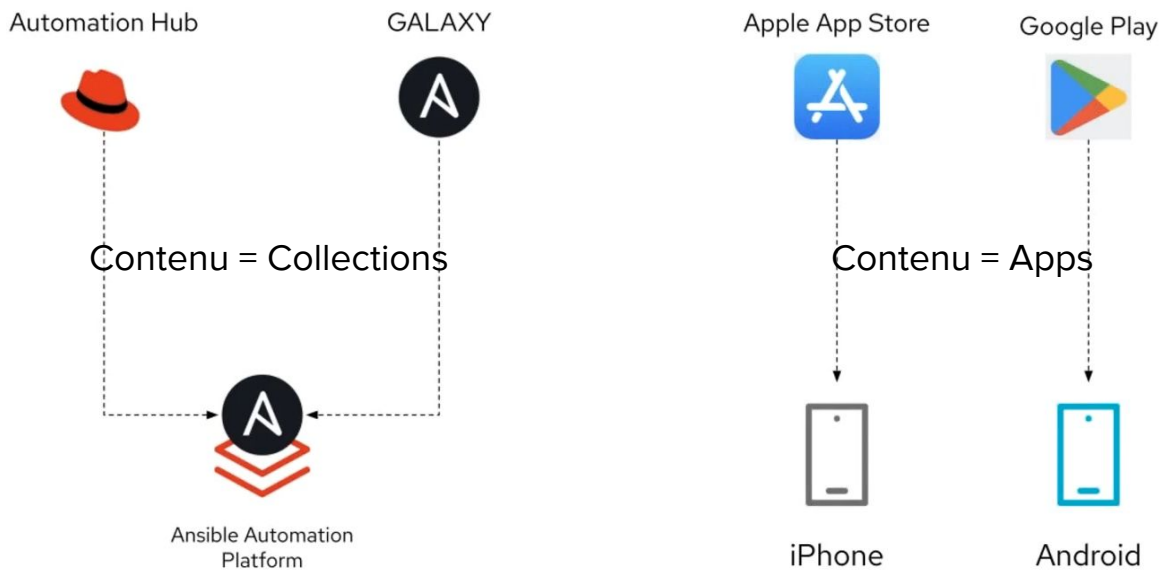
Historique sur les collections

- Autour de 2017 le nombre de modules dans ansible-core a explosé, pendant que le 'core team' n'as pas suivi la croissance.
- On explore alors différents moyens de partager les 'custom plugins', modules etc, séparément d'ansible-core *



* [Collections - The Backlog View](#) [Emerald Reverie]

- Un premier essai a été 'mazer'. *
- D'où l'apparition des Collections avec leur propre contenu qui sont géré indépendamment d'ansible-core.



* [Ansible 101 - Episode 13 - Ansible Collections and a Test Plugin](#) [Jeff Geerling]

Les noms des modules reflètent le changement

Documentation

Ansible

2.8

2.8

Search docs

INSTALLATION, UPGRADE & CONFIGURATION

Installation Guide

Ansible Porting Guides

USING ANSIBLE

User Guide

Ansible Quickstart

Getting Started

Working with Command Line Tools

Introduction To Ad-Hoc Commands

Working with Inventory

Working With Dynamic Inventory

Working With Playbooks

Understanding Privilege Escalation

Ansible Vault

Working with Patterns

Working With Modules

Introduction

Porting Modules

Docs » User Guide » Working With Modules » Module Index » All module

You are reading an older version of the Ansible documentation. Use the ve

All modules

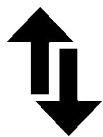
- `a10_server` – Manage A10 Networks AX/SoftAX/Thunder/vThunder
- `a10_server_axapi3` – Manage A10 Networks AX/SoftAX/Thunder/vT
- `a10_service_group` – Manage A10 Networks AX/SoftAX/Thunder/vT
- `a10_virtual_server` – Manage A10 Networks AX/SoftAX/Thunder/vT
- `aci_aaa_user` – Manage AAA users (aaa:User)
- `aci_aaa_user_certificate` – Manage AAA user certificates (aaa:UserCe
- `aci_access_port_block_to_access_port` – Manage port blocks of Fabri
- `aci_access_port_to_interface_policy_leaf_profile` – Manage Fabric int
- `aci_access_sub_port_block_to_access_port` – Manage sub port blocks
- `aci_aep` – Manage attachable Access Entity Profile (AEP) objects (infra:SubPortBlk)
- `aci_aep_to_domain` – Bind AEPs to Physical or Virtual Domains (infra
- `aci_ap` – Manage top level Application Profile (AP) objects (fv:Ap)
- `aci_bd` – Manage Bridge Domains (BD) objects (fv:BD)
- `aci_bd_subnet` – Manage Subnets (fv:Subnet)
- `aci_bd_to_l3out` – Bind Bridge Domain to L3 Out (fv:RsBDToOut)
- `aci_config_rollback` – Provides rollback and rollback preview functio
- `aci_config_snapshot` – Manage Config Snapshots (config:Snapshot, cc
- `aci_contract` – Manage contract resources (vz:BrCP)
- `aci_contract_subject` – Manage initial Contract Subjects (vz:Subj)

- Une transition dans les noms des modules prends place entre ansible 2.8, 2.9 vs 2.10

Comparaison des différents 'hubs'

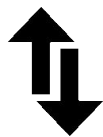


Communauté, Public,
rythme rapide



Automation Hub

Certifié et supporté par Red
Hat et un vaste écosystème
de partenaires



Red Hat
Enterprise Linux



Private Automation Hub

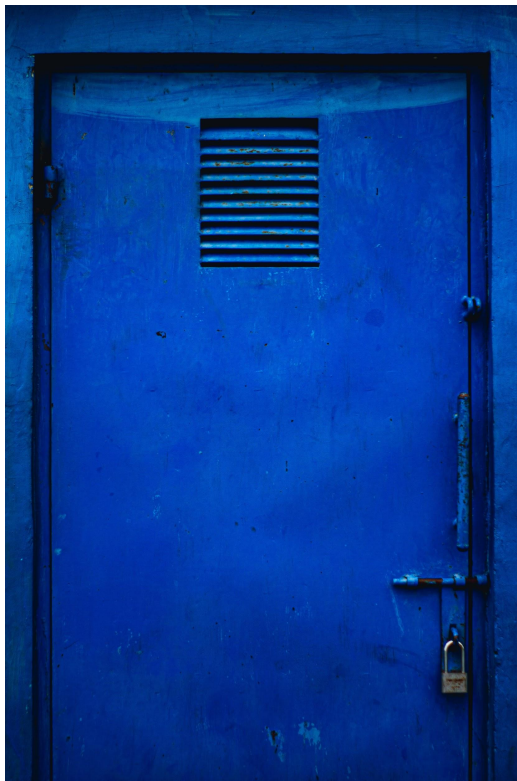
Secure, privé et
accessible de votre
réseau



Red Hat
Enterprise Linux

* [Automation Hub, host your Ansible content anywhere!](#) [Sean Cavanaugh]

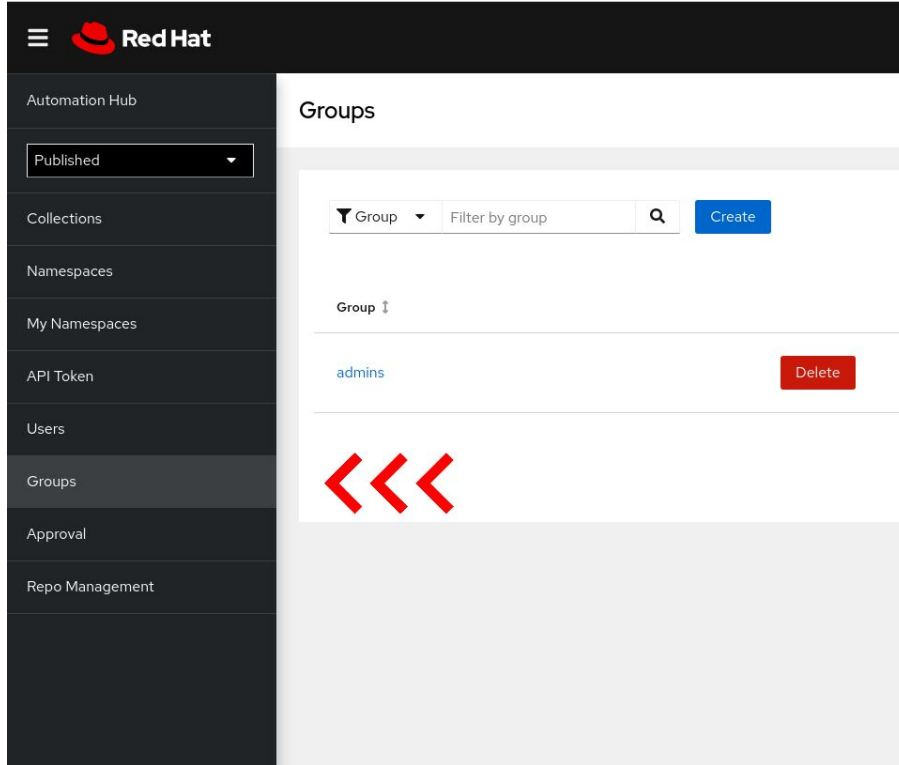
Environnements physiquement isolés



Collections = fichiers
tar.gz

* [Automation Hub, host your Ansible content anywhere!](#) [Sean Cavanaugh]

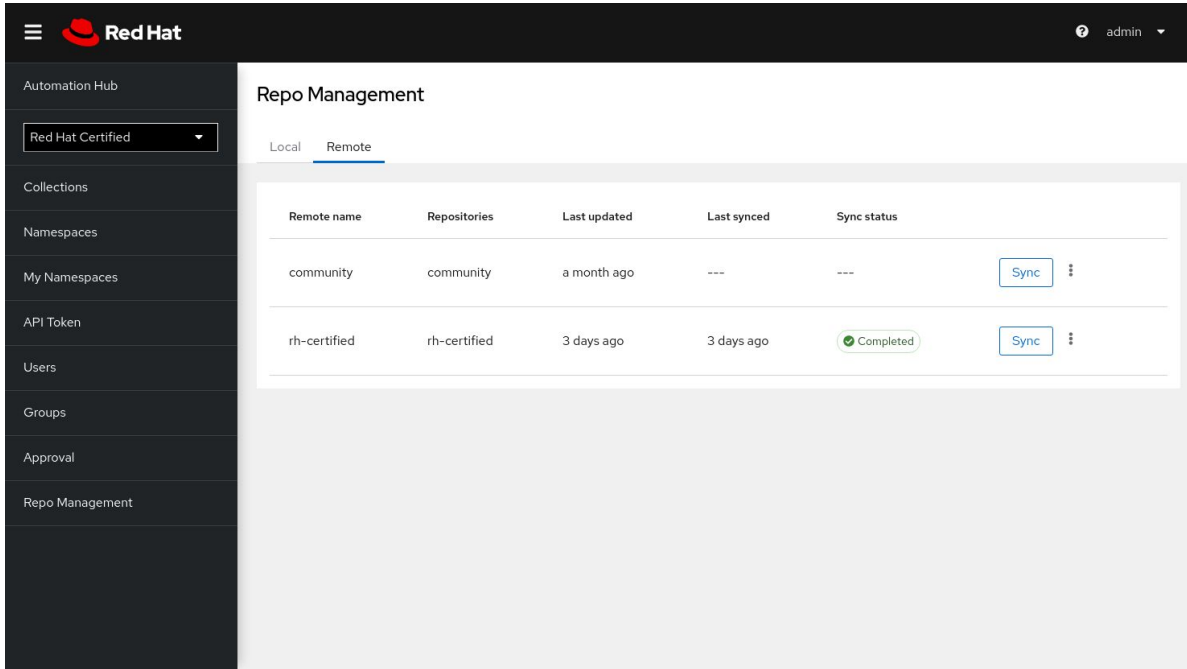
Permissions, groupes et usagers



The screenshot shows the Red Hat Automation Hub interface. On the left is a dark sidebar with the Red Hat logo and a menu containing: Automation Hub, Published (dropdown), Collections, Namespaces, My Namespaces, API Token, Users, Groups (highlighted), Approval, and Repo Management. The main content area is titled 'Groups' and features a search bar with a 'Group' dropdown, a 'Filter by group' input, a search icon, and a blue 'Create' button. Below the search bar, there is a table with one row for a group named 'admins', which has a red 'Delete' button next to it. At the bottom of the table, there are three red chevron arrows pointing left.

- Chaque groupe se voit attribué un ensemble de permissions sur un objet donné.
- Les usagers membre du groupe, héritent les permissions.

Synchroniser le contenu Certifié Red Hat

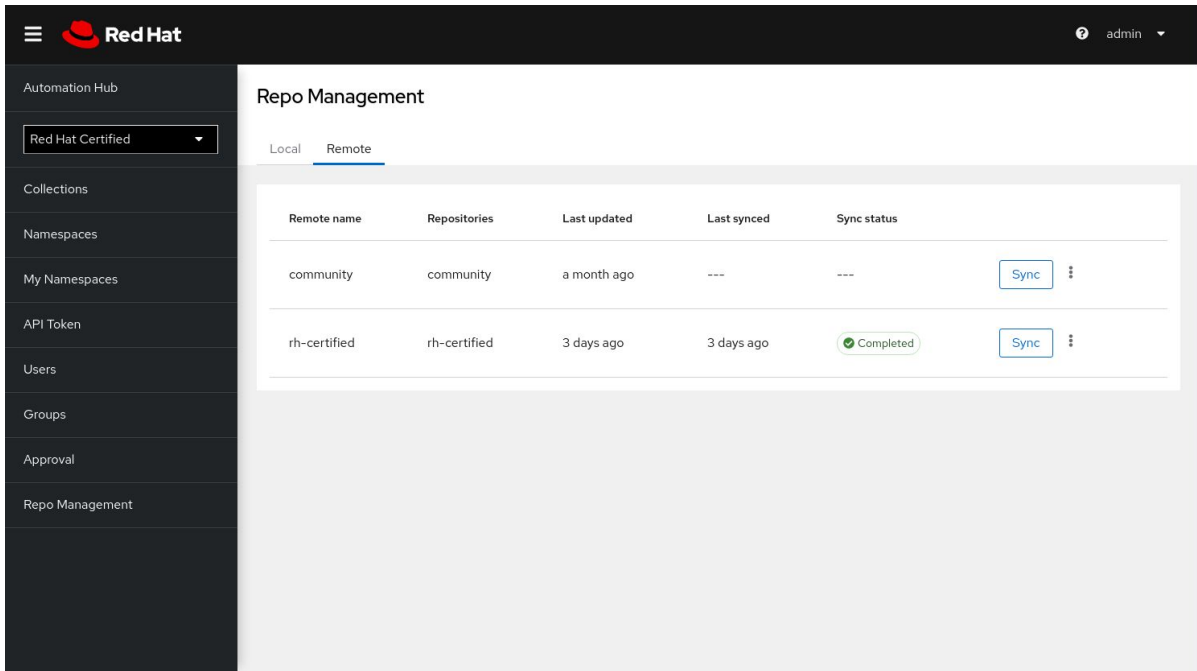


The screenshot shows the Red Hat Automation Hub interface. The left sidebar contains navigation options: Automation Hub, Red Hat Certified (selected), Collections, Namespaces, My Namespaces, API Token, Users, Groups, Approval, and Repo Management. The main content area is titled 'Repo Management' and has two tabs: 'Local' and 'Remote' (selected). Below the tabs is a table with the following data:

Remote name	Repositories	Last updated	Last synced	Sync status
community	community	a month ago	---	---
rh-certified	rh-certified	3 days ago	3 days ago	Completed

1. Choisir rh-certified et ensuite copier/coller l'URL et le token provenant du Automation Hub sur cloud.redhat.com
2. Synchroniser

Synchroniser le contenu de Galaxy



The screenshot shows the Red Hat Automation Hub interface. The left sidebar contains navigation options: Automation Hub, Red Hat Certified (dropdown), Collections, Namespaces, My Namespaces, API Token, Users, Groups, Approval, and Repo Management. The main content area is titled 'Repo Management' and has two tabs: 'Local' and 'Remote'. The 'Remote' tab is selected, showing a table with the following data:

Remote name	Repositories	Last updated	Last synced	Sync status
community	community	a month ago	---	---
rh-certified	rh-certified	3 days ago	3 days ago	Completed

1. Sélectionner community et spécifier un fichier requirements.yml
2. Synchroniser

Création d'un namespace et collection

Automation Hub

Published

Collections

Namespaces

My Namespaces

API Token

Users

Groups

Approval

Repo Management

Collections

Keywords Filter by keywords

bonjour

Provided by o...ux

your collection description

0 Modules 1 Role 0 Plugins

1. Créer un namespace
2. Télécharger une collection

Questions ?

Merci!



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