What's new: Network Automation

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Agenda

- What's new in Network Automation and the Roadmap
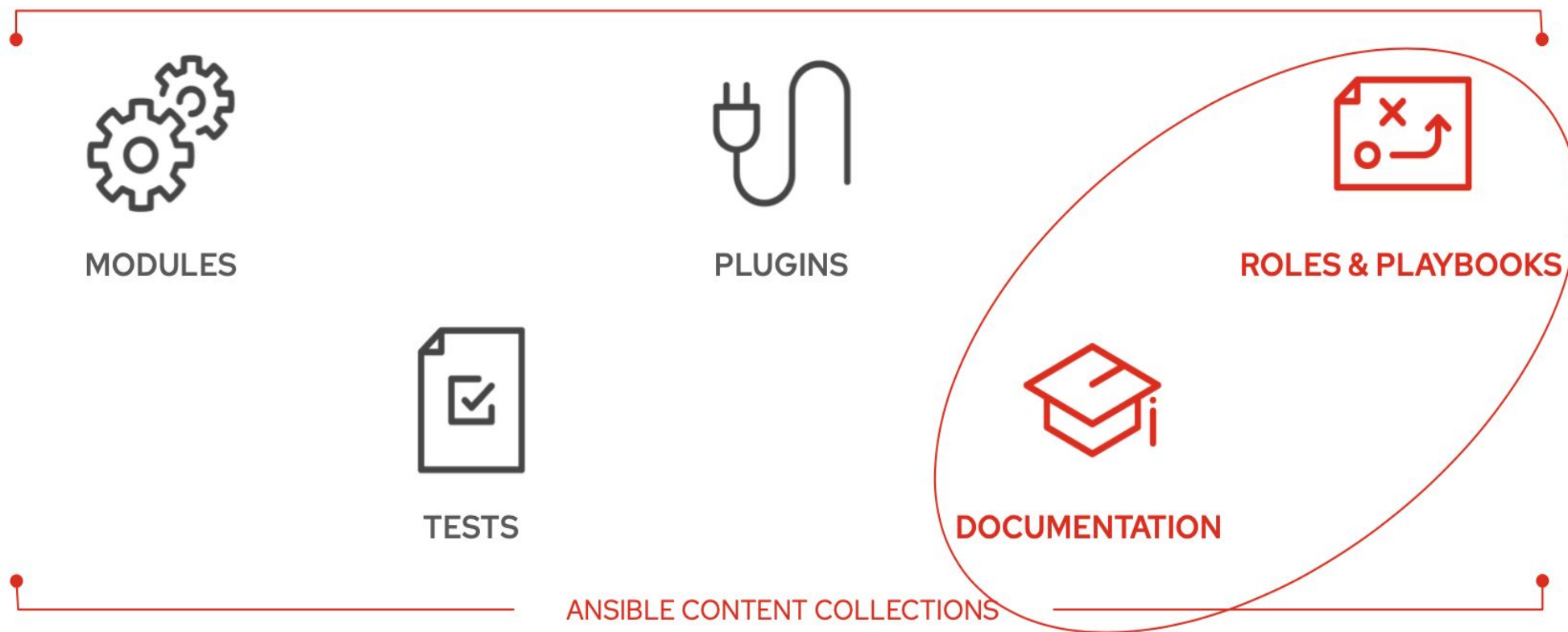
- Questions

AnsibleFest

Validated Content

AnsibleFest

What is Validated Content?

How?

MODULES

PLUGINS

ROLES & PLAYBOOKS

TESTS

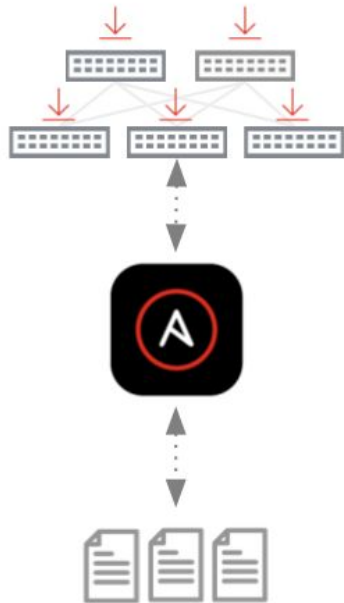**DOCUMENTATION**

ANSIBLE CONTENT COLLECTIONS

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Actions

- Gather
- Persist
- Deploy
- Detect
- Remediate
- Health Checks

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What's New: Validated Content

- network.base
- network.bgp
- network.ospf
- network.interfaces
- network.vpn

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Future: Validated Content
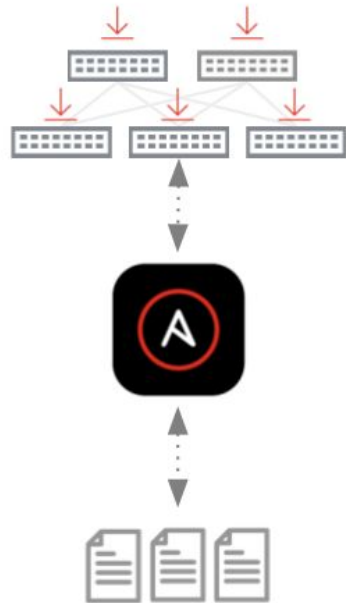
- network.acls
- network.telemetry
- DNS configuration (TBD)
- backup-restore (TBD)

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New Collections

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community.ioscm

Modules

- ioscm_command
- ioscm_config
- ioscm_facts
- ioscm_ping

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ansible.scm

Plugins

- git_retrieve
- git_publish

```yaml
---
- hosts: localhost
  tasks:
    - name: Retrieve a repository
      ansible.scm.git_retrieve:
        origin:
          url: git@github.com:network/repo.git
      register: repository
```

```yaml
---
- hosts: localhost
  tasks:
  - name: Publish a repo
      ansible.scm.git_publish:
        path: "/my/local/directory"
```

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New Modules

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What's new: Resource module

bgp_templates

- cisco.nxos
- cisco.iosxr
- cisco.ios (In Roadmap)

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Future: Resource modules

- aaa
- banner_global
- spanning_tree

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What's new : ansible.netcommon

- Support for alternate ciphers with httpapi
- cli_parse plugin was moved to ansible.utils

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Future: ansible.netcommon

Modules

- cli_restore
- cli_backup

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Migration to community

- frr.frr
- openvswitch.openvswitch
- vyos.vyos

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Maintenance activities (WIP)

- Migrate to Github actions for releases from zuul
- Changelog generation from pull-request titles using release drafter and antsichaut
- Integration tests using Cisco Modeling Labs on AWS (CML)
- pre-commit for linting and syntax checking
  - ruff
  - collection_prep
  - prettier
  - isort
  - black

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ansible/ansible PR 80638

https://github.com/ansible/ansible/pull/80638

```
Tuesday 16 May 2023  12:25:18 -0700 (0:00:00.450)        0:00:08.961 ***********
===============================================================================
Show version ------------------------------------------------------------------------------------------------------------------- 3.67s
Show version ------------------------------------------------------------------------------------------------------------------- 1.21s
Show version ------------------------------------------------------------------------------------------------------------------- 1.18s
Show version ------------------------------------------------------------------------------------------------------------------- 1.17s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.45s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.43s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.43s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.41s


Tuesday 16 May 2023  12:28:42 -0700 (0:00:00.076)        0:00:08.010 ***********
===============================================================================
Show version ------------------------------------------------------------------------------------------------------------------- 3.92s
Show version ------------------------------------------------------------------------------------------------------------------- 1.28s
Show version ------------------------------------------------------------------------------------------------------------------- 1.26s
Show version ------------------------------------------------------------------------------------------------------------------- 1.21s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.08s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.07s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.07s
Debug version ------------------------------------------------------------------------------------------------------------------ 0.07s
```

AnsibleFest

Red Hat Summit

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Thank you

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