



RED HAT WEBINARS

# TECH MONTH

11 FEBRUARY - 2 MARCH 2021



11 FEB • 10:00 - 10:45 CET

## Ansible Security Automation Update & DEMO

**Dieter De Moitié**  
Sr. Solution Architect

**Kevin Dubois**  
Sr. Solution Architect

**Edward Devos**  
Solution Architect

**Pieter Lewyllie**  
Solution Architect



RED HAT WEBINARS

# TECH MONTH

11 FEBRUARY - 2 MARCH 2021

11 FEB • 11:00 - 11:45 CET

## Federated Containers with Advanced Cluster Management

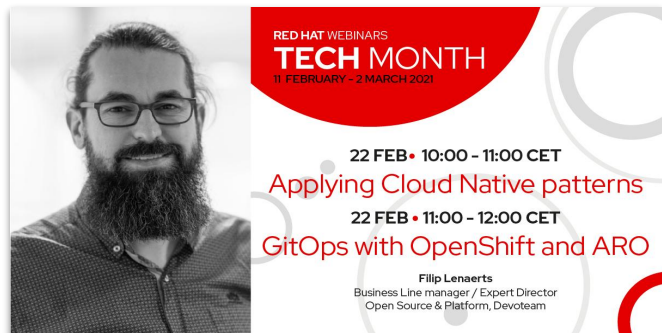
**Dieter De Moitié**  
Sr. Solution Architect

**Kevin Dubois**  
Sr. Solution Architect

**Edward Devos**  
Solution Architect

**Pieter Lewyllie**  
Solution Architect

# Tech month agenda



RED HAT WEBINARS  
**TECH MONTH**  
11 FEBRUARY - 2 MARCH 2021

**22 FEB • 10:00 - 11:00 CET**  
Applying Cloud Native patterns

**22 FEB • 11:00 - 12:00 CET**  
GitOps with OpenShift and ARO

**Filip Lenaerts**  
Business Line manager / Expert Director  
Open Source & Platform, Devoteam

This card features a portrait of Filip Lenaerts on the left. The right side contains the event details for two sessions on February 22nd. The top right has a red curved banner with the event title and dates. The bottom right has a red circular graphic.



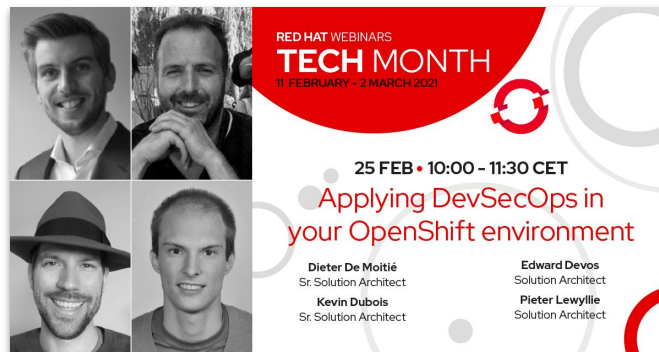
RED HAT WEBINARS  
**TECH MONTH**  
11 FEBRUARY - 2 MARCH 2021

**2 MARCH • 09:00 - 10:00 CET**  
Agile Integration update & demo

**2 MARCH • 11:00 - 13:30 CET**  
Hands-On Lab

**Didier Clabaut**  
Integration Architect, Integration Designers

This card features a portrait of Didier Clabaut on the left. The right side contains the event details for two sessions on March 2nd. The top right has a red curved banner with the event title and dates. The bottom right has a red circular graphic.



RED HAT WEBINARS  
**TECH MONTH**  
11 FEBRUARY - 2 MARCH 2021

**25 FEB • 10:00 - 11:30 CET**  
Applying DevSecOps in  
your OpenShift environment

**Dieter De Motté**  
Sr. Solution Architect

**Kevin Dubois**  
Sr. Solution Architect

**Edward Devos**  
Solution Architect

**Pieter Lewyllie**  
Solution Architect

This card features four portraits of speakers in a 2x2 grid on the left. The right side contains the event details for a session on February 25th. The top right has a red curved banner with the event title and dates, and a red circular refresh icon. The bottom right has a red circular graphic.

<https://red.ht/techmonth>



# Agenda

- Collections overview
- Automation Analytics
- Automation Hub
- Automation Services Catalog
- AnsibleFest 2020 highlights

# Collections



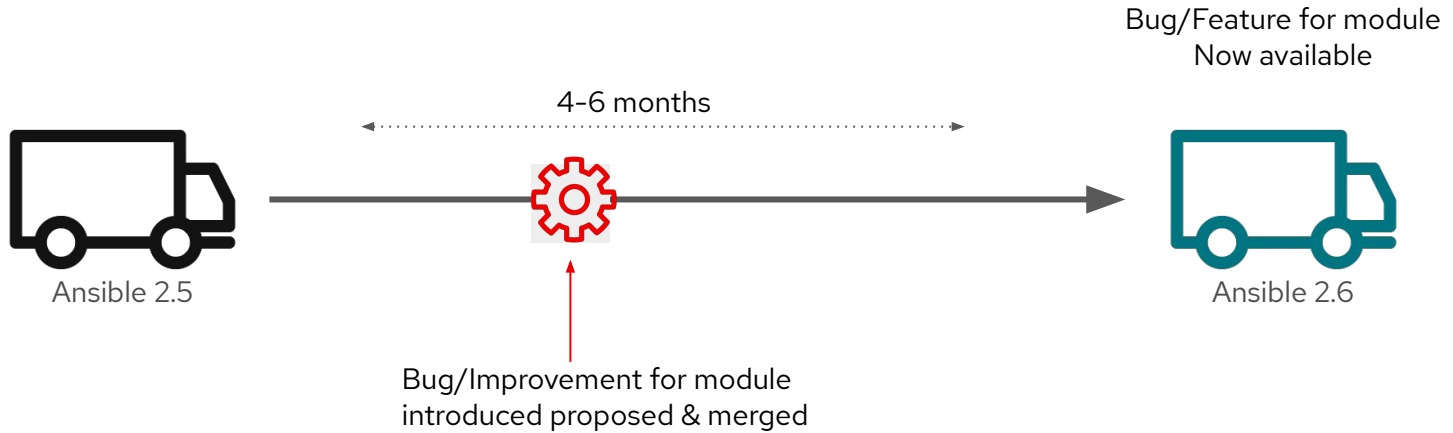
# Introducing the Ansible Collection

Simplified and consistent content schema

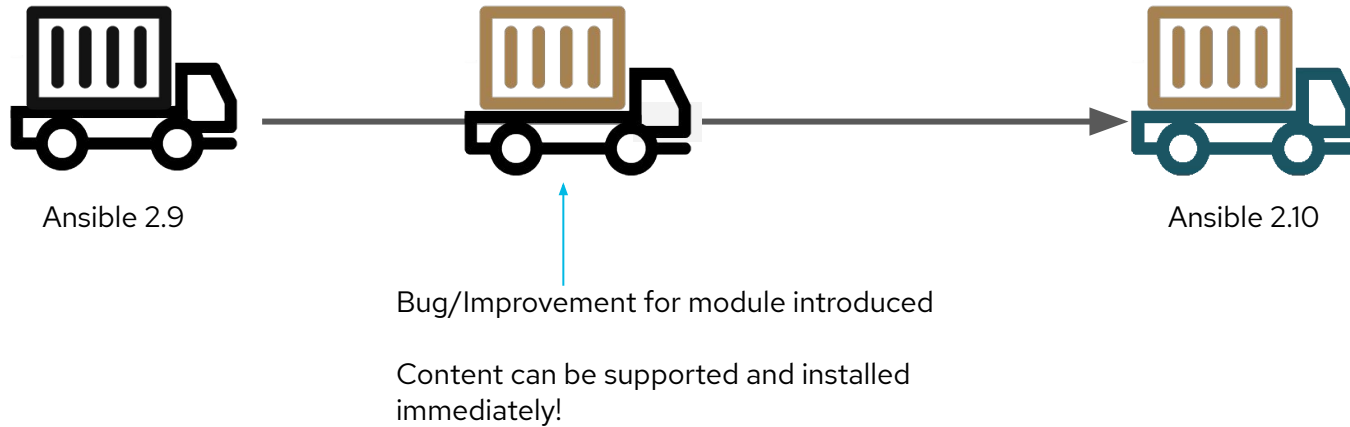


- A standardized way to organize and package Ansible content (roles, modules, module utilities, plugins, documentation)
- Semantic versioning
- Portable and flexible delivery

# Before Collections

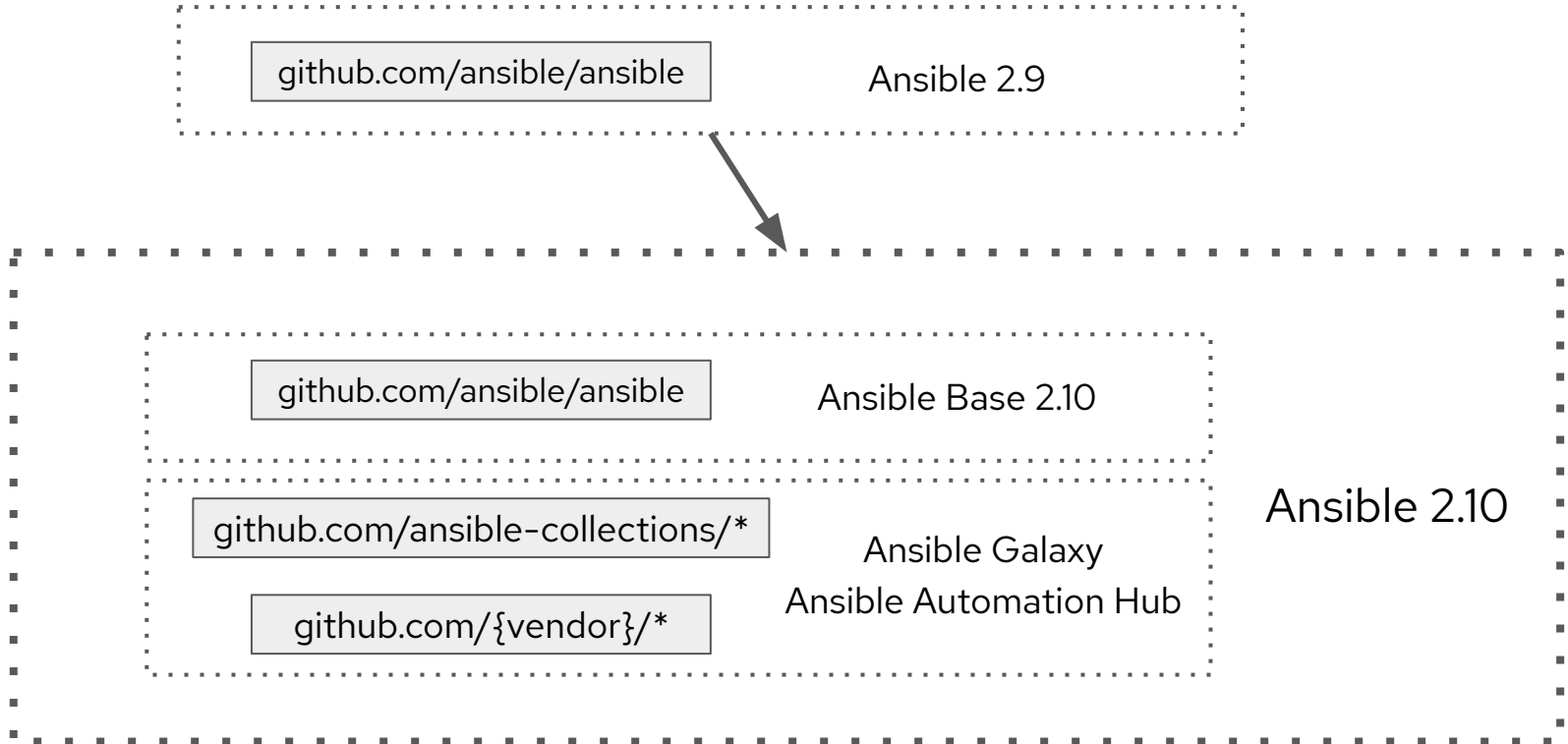


## After Collections





# What went where?



# Distribution of Collections

## Ansible Galaxy

[galaxy.ansible.com](https://galaxy.ansible.com)

- Community supported
- Extended to leverage Collections framework
- “Latest and greatest”

## Ansible Automation Hub

[cloud.redhat.com](https://cloud.redhat.com)

- Certified, jointly supported by Red Hat and Partner
- Access to advanced analytics
- “Slow and steady”

## Resources and Getting Started

- Collections User Guide and Collections Developer Guide  
[https://docs.ansible.com/ansible/devel/user\\_guide/collections\\_using.html](https://docs.ansible.com/ansible/devel/user_guide/collections_using.html)  
[https://docs.ansible.com/ansible/devel/dev\\_guide/developing\\_collections.html](https://docs.ansible.com/ansible/devel/dev_guide/developing_collections.html)
- The Bullhorn - Ansible Community Newsletter  
<https://bit.ly/thebullhorn>
- Community Collections Overview  
<https://github.com/ansible-collections/overview>
- Ansible.com Blog  
<https://www.ansible.com/blog> search for "Collection" (many results)

# Automation Analytics

# Automation Analytics: What is it?

SaaS (Software as a Service) on [cloud.redhat.com](https://cloud.redhat.com)

Analytics for all Ansible Tower clusters for an organization

Includes:

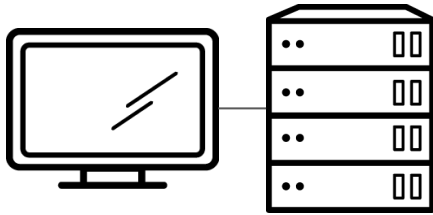
- visual dashboard
- health notifications
- organization statistics



# Dashboard comparison

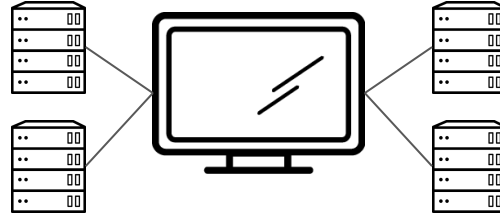
## Ansible Tower

- Recent job templates
- No module data
- One cluster



## Automation Analytics

- Top job templates
- Top modules
- All clusters
- Filter by cluster



# Opt-In on each Ansible Tower cluster

The screenshot displays the 'SYSTEM' configuration page in Ansible Tower. The left sidebar contains navigation menus for 'VIEWS', 'RESOURCES', 'ACCESS', and 'ADMINISTRATION'. The main content area is titled 'SYSTEM' and includes tabs for 'MISC. SYSTEM', 'ACTIVITY STREAM', and 'LOGGING'. The 'MISC. SYSTEM' tab is active, showing a grid of configuration options:

- \* BASE URL OF THE TOWER HOST**: `https://ec2-18-224-63-221.us-east-2.compute.amazonaws.com`
- \* ENABLE ADMINISTRATOR ALERTS**:
- \* ALL USERS VISIBLE TO ORGANIZATION ADMINS**:
- \* ORGANIZATION ADMINS CAN MANAGE USERS AND TEAMS**:
- \* IDLE TIME FORCE LOG OUT**: 1800
- \* MAXIMUM NUMBER OF SIMULTANEOUS LOGGED IN SESSIONS**: -1
- \* ENABLE HTTP BASIC AUTH**:
- ALLOW EXTERNAL USERS TO CREATE OAUTH2 TOKENS**:
- ACCESS TOKEN EXPIRATION**: 3153600000
- AUTHORIZATION CODE EXPIRATION**: 600
- \* REMOTE HOST HEADERS**: REMOTE\_ADDR, REMOTE\_HOST
- CUSTOM VIRTUAL ENVIRONMENT PATHS**: (empty)
- GATHER DATA FOR AUTOMATION INSIGHTS**:
- RED HAT CUSTOMER USERNAME**: (empty)
- RED HAT CUSTOMER PASSWORD**: SHOW
- AUTOMATION ANALYTICS UPLOAD URL**: `https://cloud.redhat.com`

At the bottom of the configuration area, there are buttons for 'REVERT ALL TO DEFAULT', 'CANCEL', and 'SAVE'.

# Automation Hub



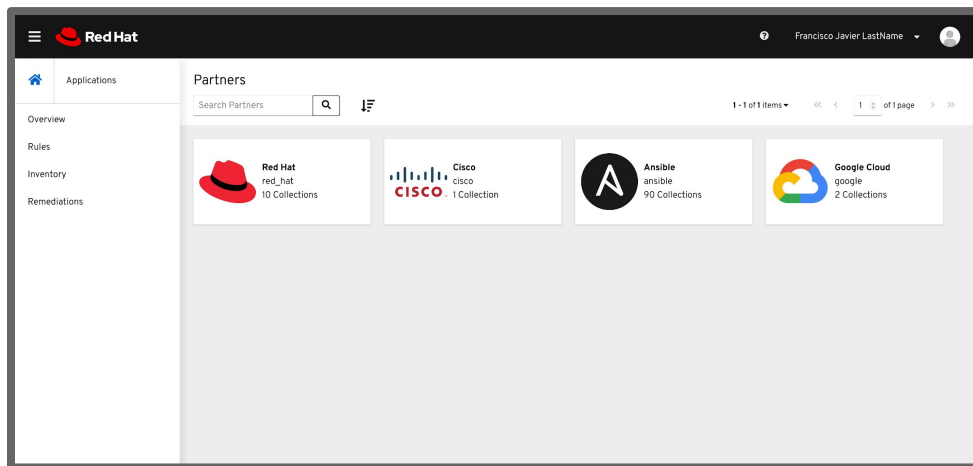
# Automation Hub

## Discover, publish, and manage Collections

Quickly discover available Red Hat and certified content through Collections.

Manage your organization's view of available content.

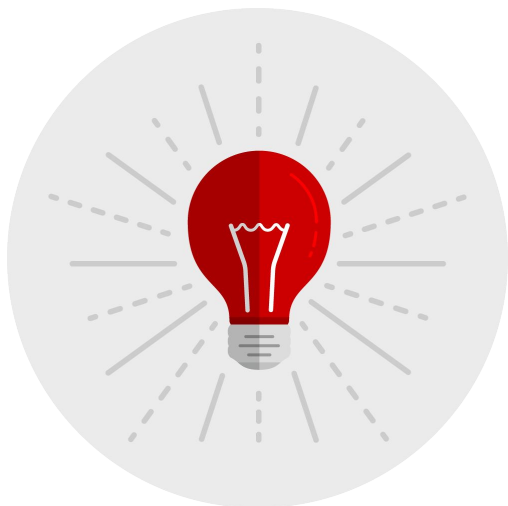
Publish your locally available automation via on-premise.



# Automation Services Catalog

Extend automation to the business user

# What is Business Governance for Automation Services Catalog?



## **Protect Environments**

Every production change can/may require authorization before execution.

## **Govern Resource Consumption**

Govern resource consumption at time of automation execution through per order multi level approval

## **Greater Availability**

Publish more content for users, choosing which to govern and which to not via Role Based Access.

## **Line of Business Control**

Each businesses owner can interact with orders at a enterprise, project or group level.

# AnsibleFest 2020

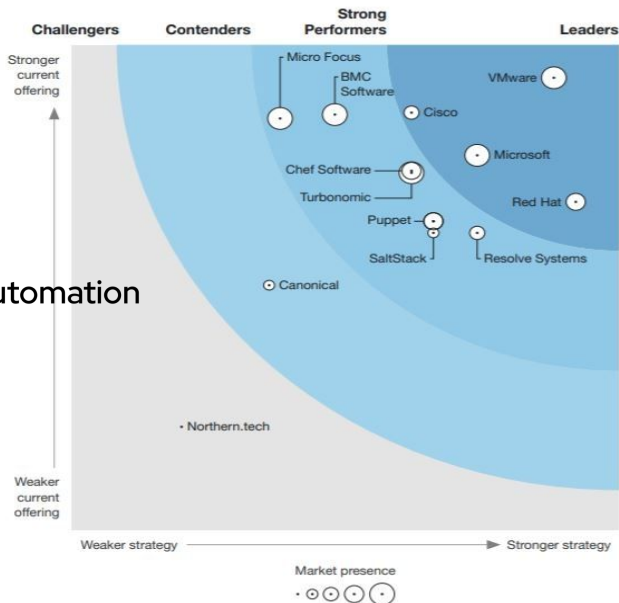
- **Total registered:** > 18,000
- **Customer spotlights:** Carmax, Blue Cross Blue Shield NC, T-Mobile, PRA Health Sciences, CEPSA, Gamesys, Exxon Mobil
- **Nearly 100** total talk tracks and keynote sessions
- **Expanded persona-based tracks** for business and technical
- New **automation architect** track added
- **IT decision maker** track significantly expanded since 2019
- The CUBE virtual



# Better Together : Validation

## Customer and Industry Analyst validation of Ansible and OpenShift

**THE FORRESTER WAVE™**  
Infrastructure Automation Platforms  
Q3 2020



 **Red Hat**  
Ansible Automation Platform

**THE FORRESTER WAVE™**  
Multicloud Container Development Platforms  
Q3 2020



 **Red Hat**  
OpenShift

# Ansible Automation Platform Tech Updates



## Kubernetes and OpenShift supported Collections

- Fully supported K8s and OCP Ansible Content Collections
- Fully supported integration between Ansible Automation Platform and RHACM
- Backed by customer and industry analyst validation



## VMware supported Collection

- 170+ Ansible Modules and Plugins using newly VMware REST API
- Fully supported
- Created and curated by Red Hat engineering



## Private Automation Hub

- On-premises Automation Hub
- Private, Public (community) and Partner (certified) content syncing and management
- Adds formal governance and control for content use in enterprises



## Automation services catalog updates

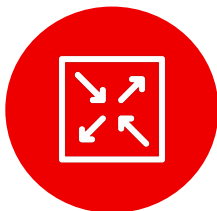
- ITSM integration available to link automation services catalog to ServiceNow and BMC Remedy
- Integrations across common ITSM areas, including: ticketing systems, CMDB, and built-in business approval.
  - *Technology preview* : disconnected environments ability to consume automation services catalog

# Ansible Automation Platform Tech Updates



## Ansible Certified Collections

- 56 collections certified in first year of the program
- Network, cloud, security content, IBM, Red Hat products
- New focus areas: Kubernetes/OpenShift, VMware, Windows



## Ansible Network Automation

- 26 additional resource modules
- 3 additional states (gathered, rendered, parsed)
- All existing resource modules backported the new states



## Ansible Security Automation

- Cisco ASA, Syncope, CyberArk Conjur and PAS platform support
- 20 additional Check Point Modules, and Check Point Gaia support
- 7 additional modules for IBM QRadar, endpoint protection use cases

# Automation Demo

Integrating your security teams and tools



## Demo overview:

- 1) Manipulate Checkpoint
- 2) Manipulate IDS (Snort)
- 3) Manipulate SIEM (Qradar)
- 4) How we can make these security tools work together
- 5) Manage Automation with segregated responsibilities

# Ansible Automation Platform



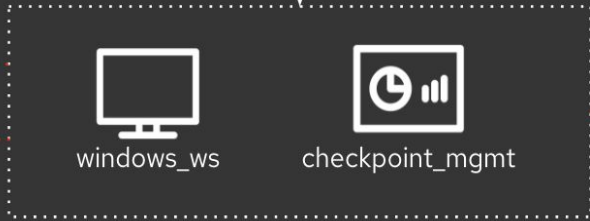
mgmt

# Attacker machine



SSH

REST  
RDP



# Checkpoint NGFW



SSH

# Target machine

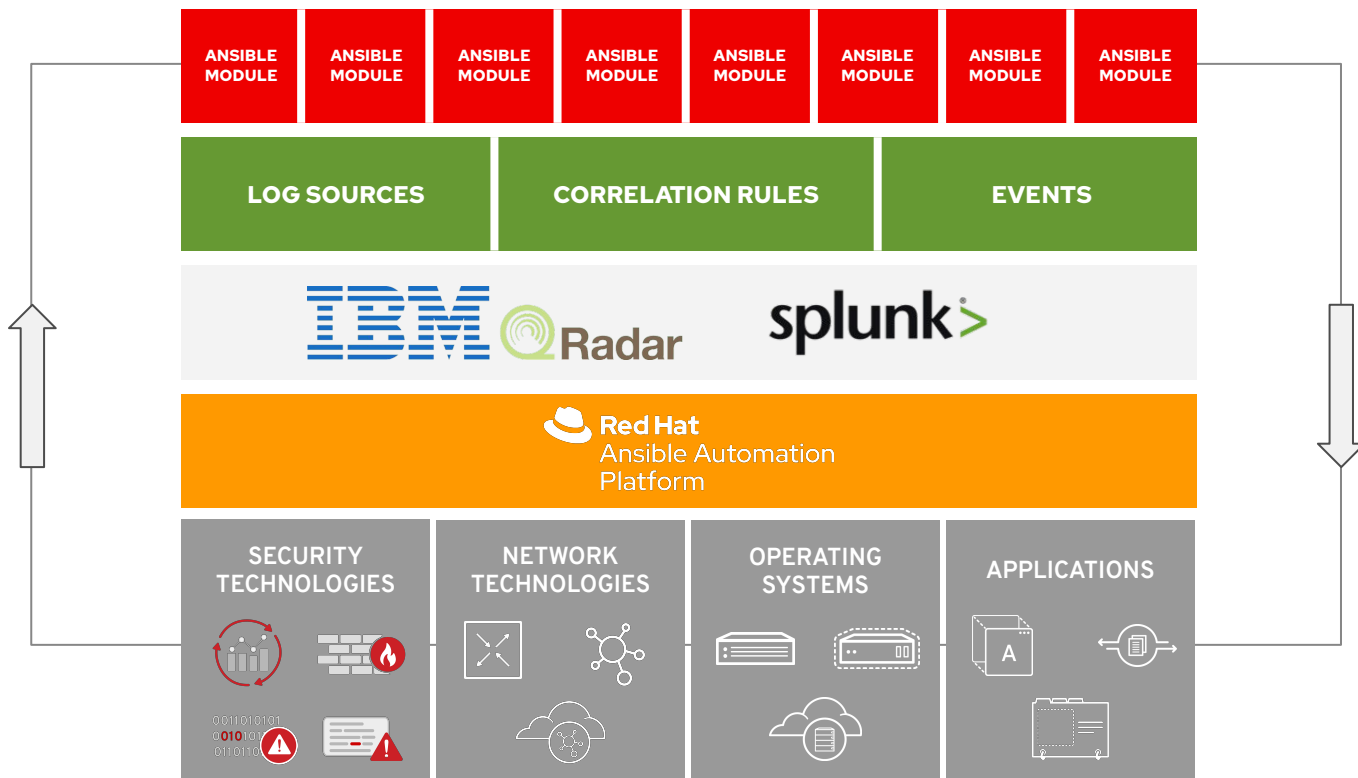
# SIEM




syslog


REST


# Ansible Automation Platform & SIEM




# Thank you

 [linkedin.com/company/red-hat](https://linkedin.com/company/red-hat)

 [youtube.com/AnsibleAutomation](https://youtube.com/AnsibleAutomation)

 [facebook.com/ansibleautomation](https://facebook.com/ansibleautomation)

 [twitter.com/ansible](https://twitter.com/ansible)

 [github.com/ansible](https://github.com/ansible)

# Next steps:

## Get started

[ansible.com/get-started](https://ansible.com/get-started)

[ansible.com/tower-trial](https://ansible.com/tower-trial)

---

## Workshops, training & services

[ansible.com/workshops](https://ansible.com/workshops)

[Red Hat Training](#)

[Red Hat Services: Automation Adoption Journey](#)

## Join the community

[ansible.com/community](https://ansible.com/community)

---

## Share your story

[Follow us @Ansible](#)

[Friend us on Facebook](#)