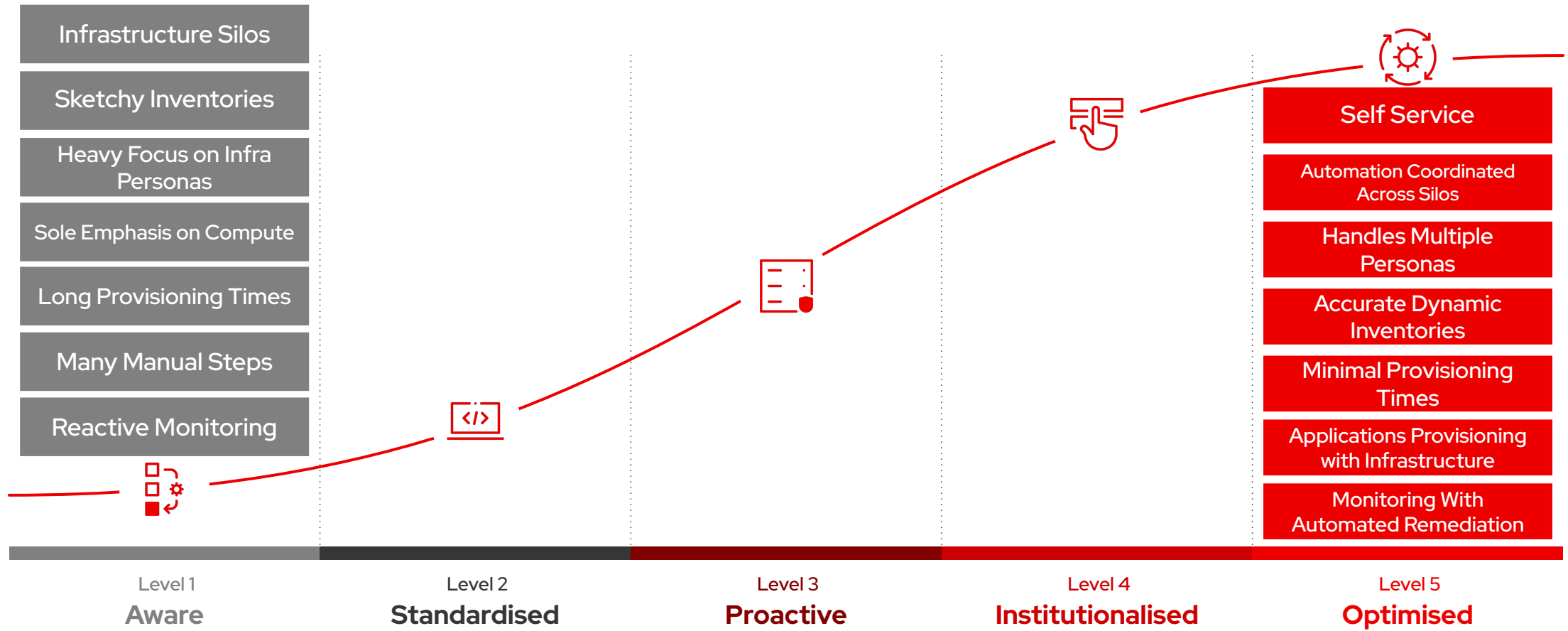


Red Hat
Summit

Enterprise Automation? Challenge Accepted!

Pat Harrison
Specialist Solution Architect

Automation Maturity



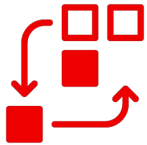
Enterprise Automation Platform



Connect disparate tools
& services



Collaboration



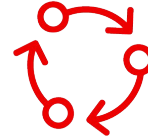
Orchestration



Ease of Adoption



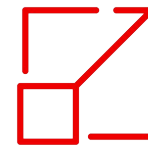
Ease of Use (service
catalogue / surveys)



Evolving Features



Visibility / Metrics



Scalability / Growth



Enterprise Support



Security & Stability

Enabling your automation team **to consistently...**

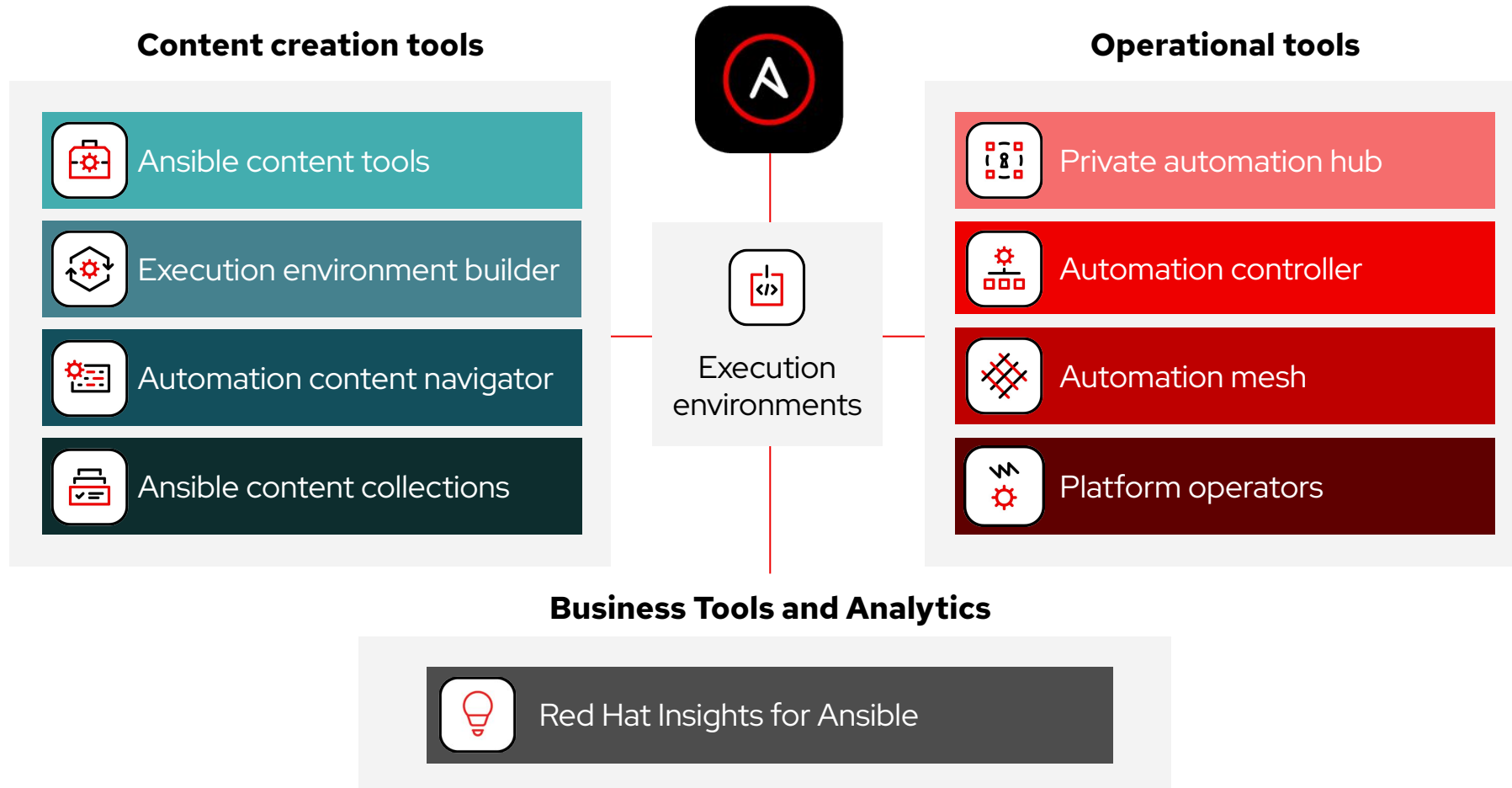


Create

Manage

Scale

An integrated solution **for the enterprise.**



Create



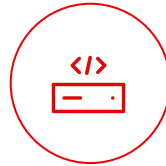
Supported and certified **content you can trust.**

140+

Certified Content Collections

55+

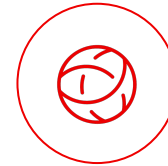
Certified technology partners



Infrastructure



Cloud



Network



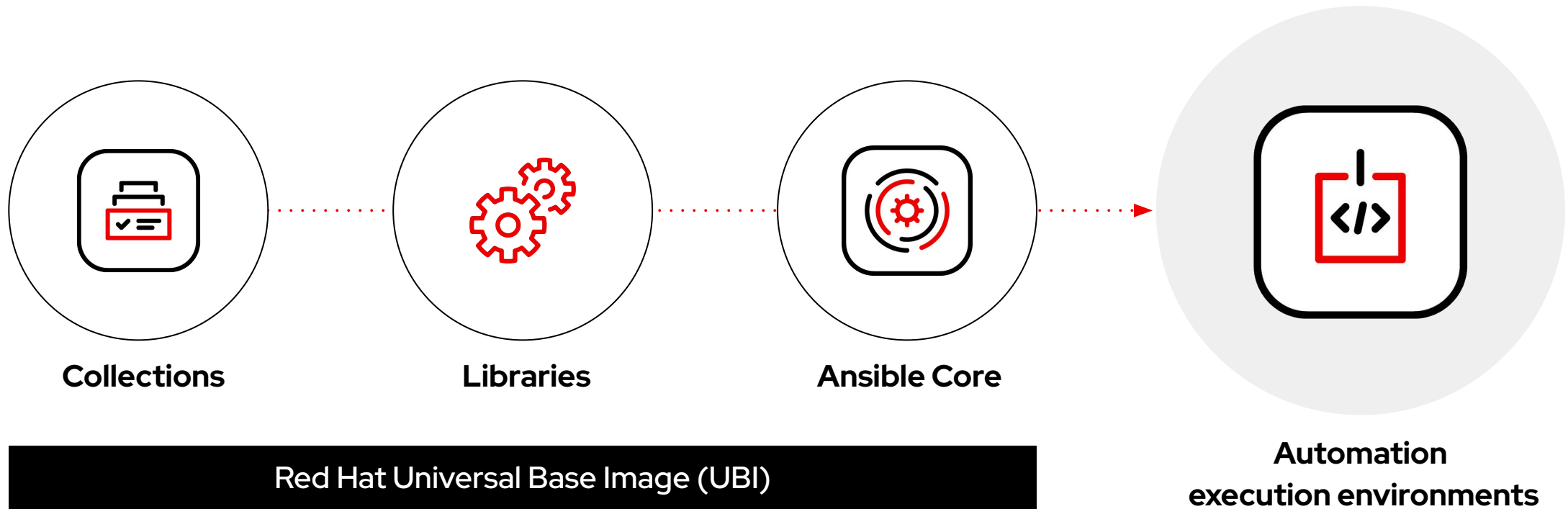
Security



Edge



Automation execution environments. Reuse and scale automation content.

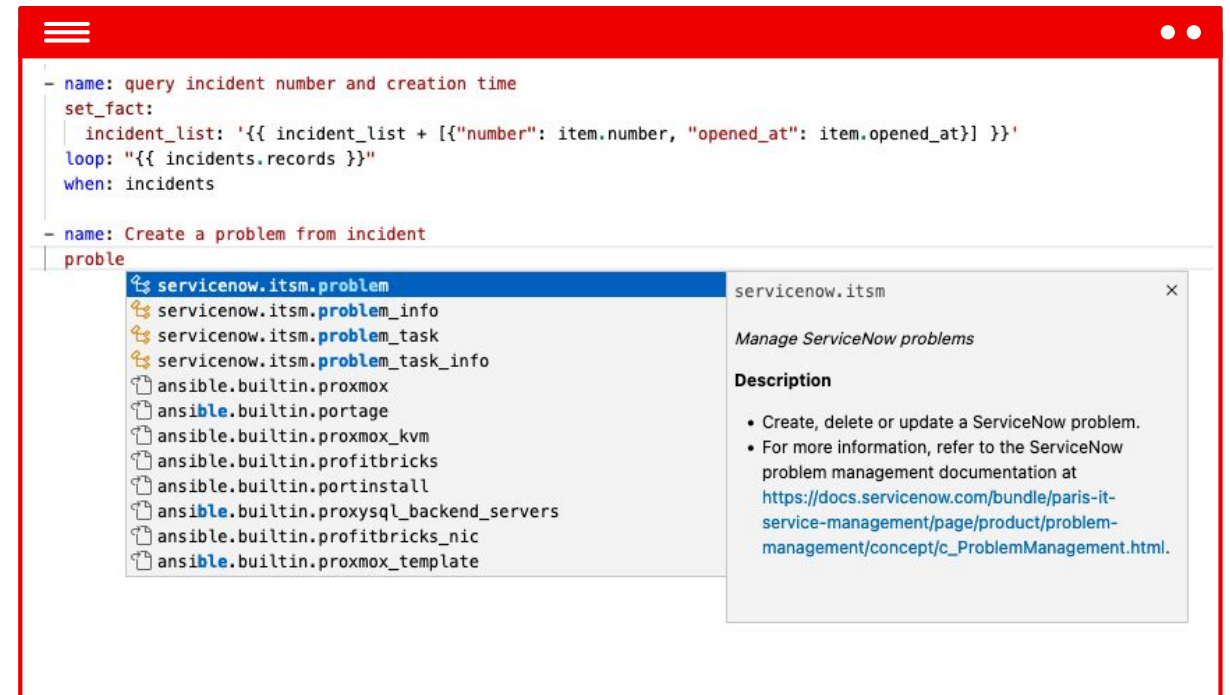




Ansible VS Code extension. Simplifying content creation.

What is it?

- ▶ Syntax highlighting of keywords such as module names
- ▶ Live validation of your code while you type
- ▶ Integration with ansible-lint*
- ▶ Autocompletion on play, block or task contents etc
- ▶ Documentation references as you code





Ansible lint (`ansible-lint`).

Fully supported (AAP 2.3)

What is it?

Command-line tool for linting playbooks, roles and collections aimed towards any Ansible users.

- ▶ Promote best practices and and patterns.
- ▶ Develop consistent code across teams and scale using an opinionated strategy.
- ▶ Integrate into larger development workflows and CI tools.
- ▶ Helps upgrade playbooks to later Ansible Core versions.

```
$ ansible-lint playbook.yml
```

Red Hat Ansible Certified Content

What do I want to automate?



Established integration with Red Hat and 3rd-party platforms

From Red Hat and trusted industry partners

Tested and supported for security, quality, and reliability

Available through console.redhat.com

New

Ansible validation content

How should I automate it?



Provides an opinionated path for performing operations on Red Hat and 3rd-party platforms

From Red Hat and trusted industry partners

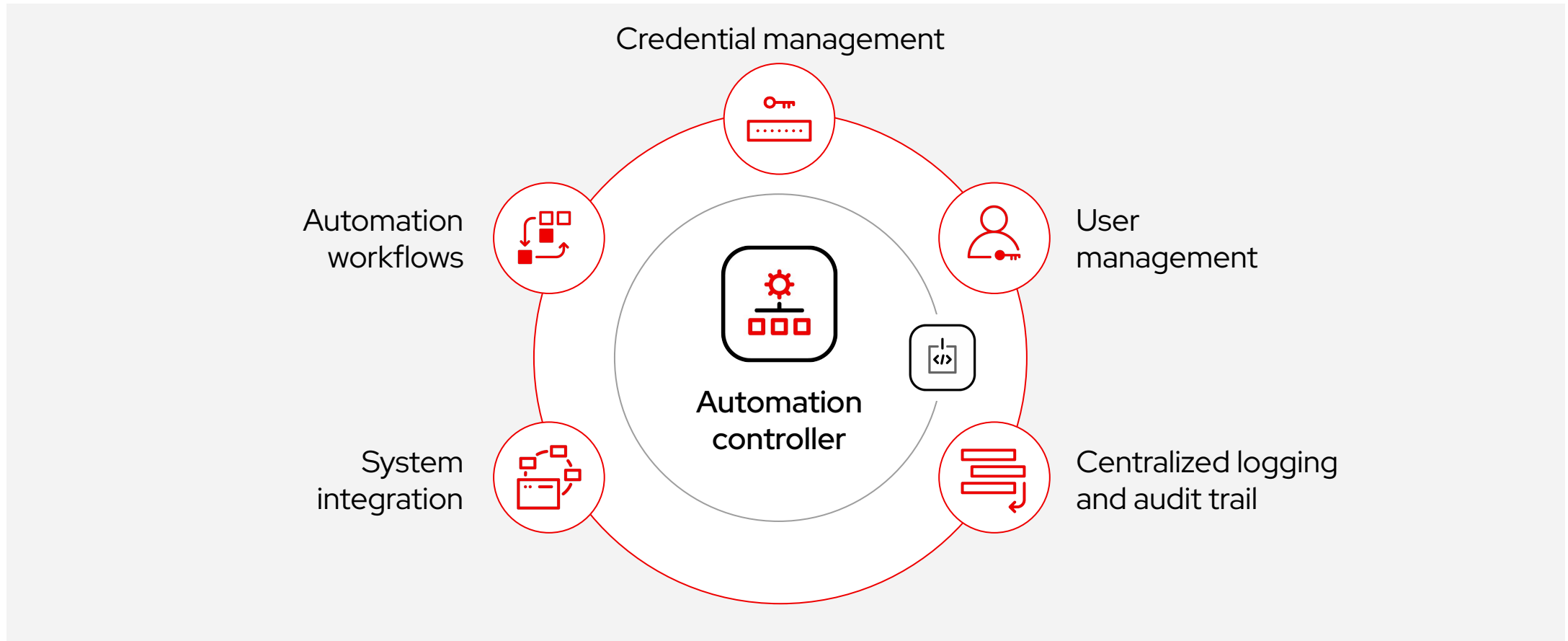
Tested for security, quality, and reliability

Now preloaded in private automation hub

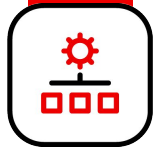
Manage



Enterprises need more for their automation.



Automation controller. Define, operate, and delegate.

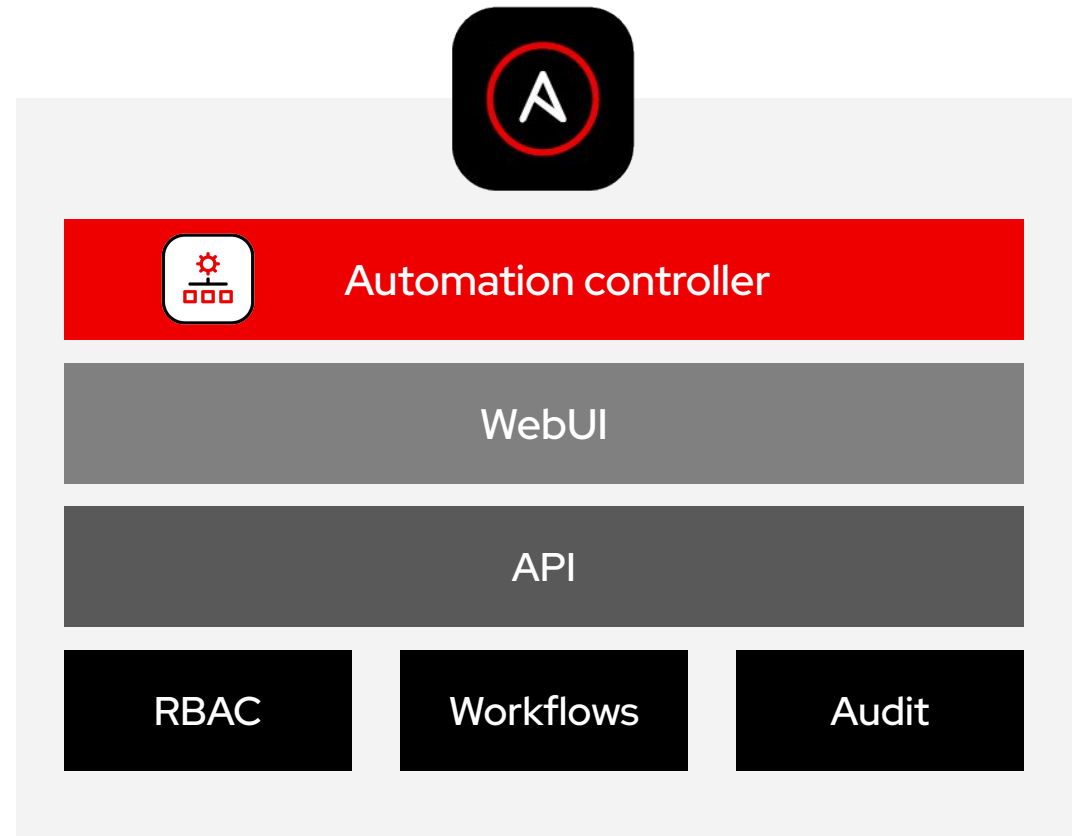


What is it?

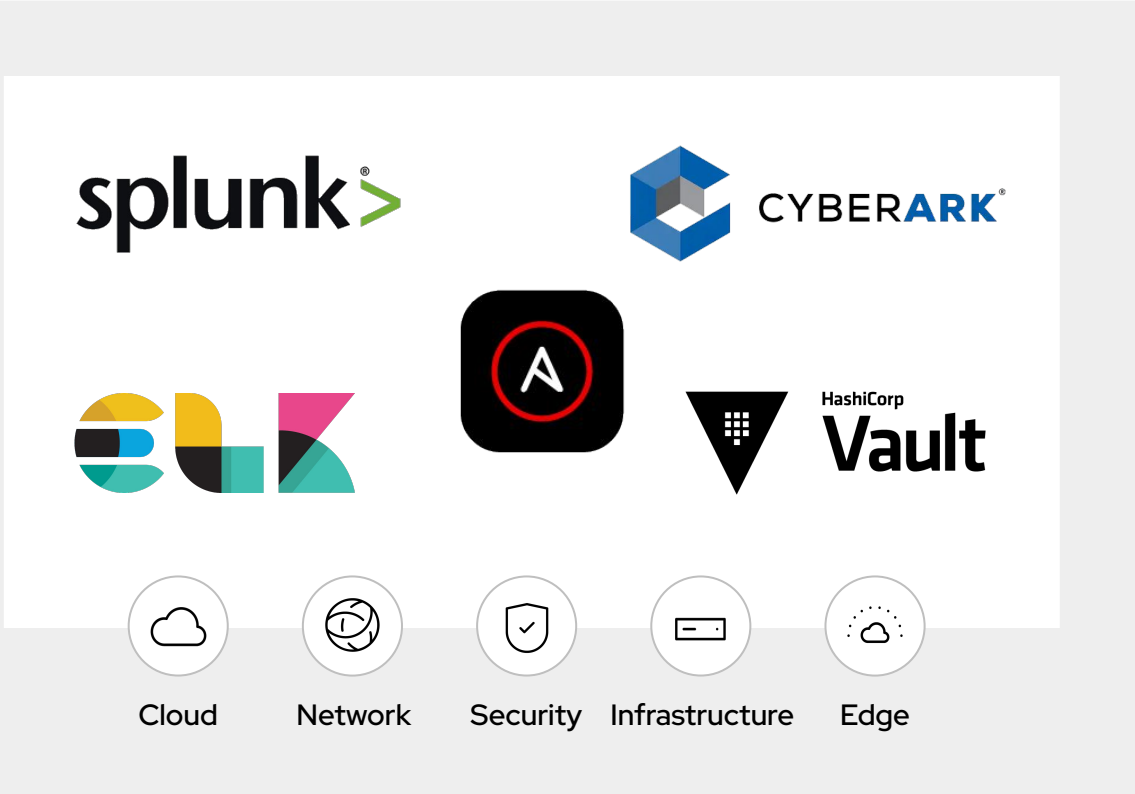
Automation controller is the Ansible Automation Platform control plane which enables users to define, operate, and delegate automation across their enterprise

Automation controller provides:

- ▶ WebUI and API
- ▶ Role-based access control
- ▶ Powerful workflows
- ▶ Centralized logging
- ▶ Credential management
- ▶ Push-button automation



Secure Automation. **Integrate with existing tooling.**



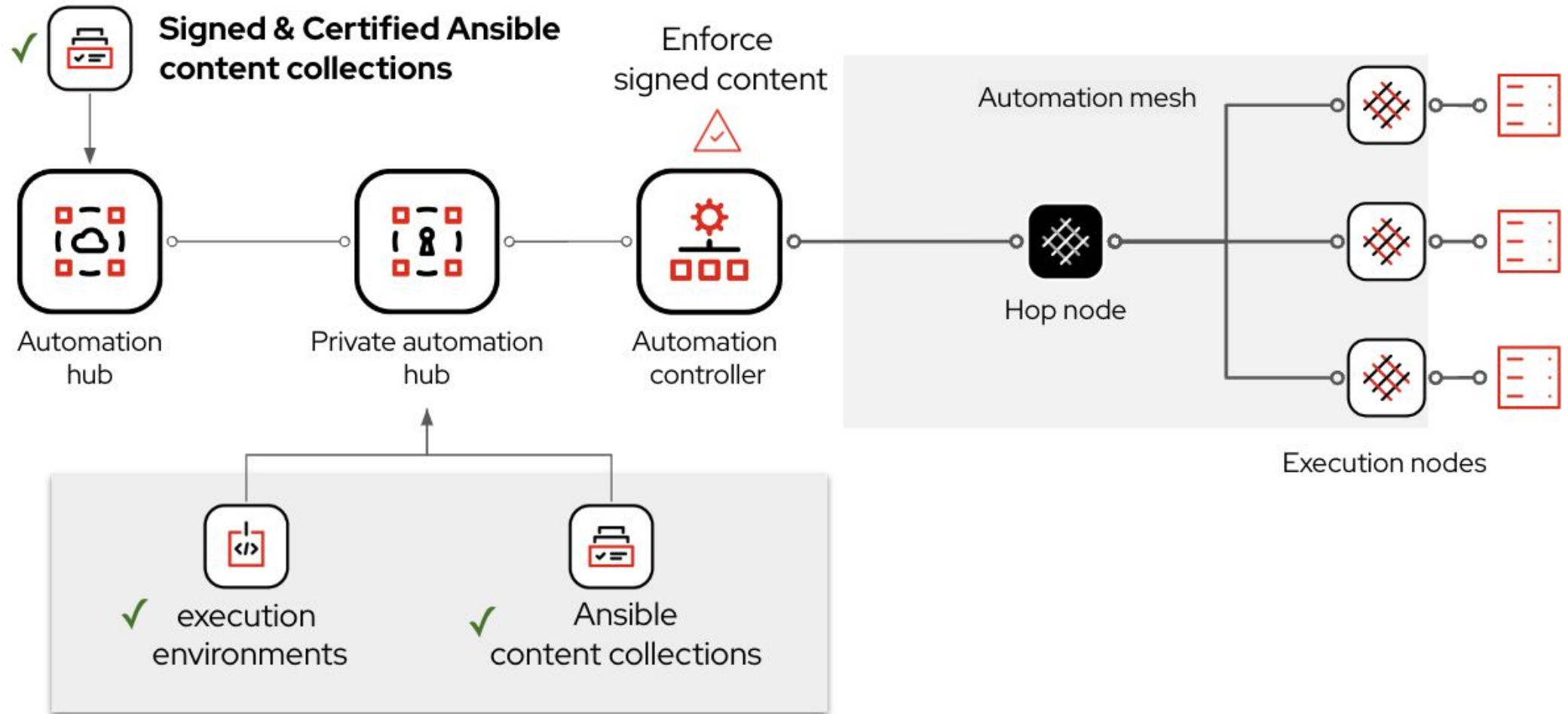
Credential Management

- ▶ **Builtin** - automation controller provides centralised credential management.
- ▶ **If you need more, integrate** - automation controller integrates with existing 3rd party vaults.
 - CyberArk
 - Hashicorp Vault
 - Microsoft Azure Key Vault
 - Centrify Vault

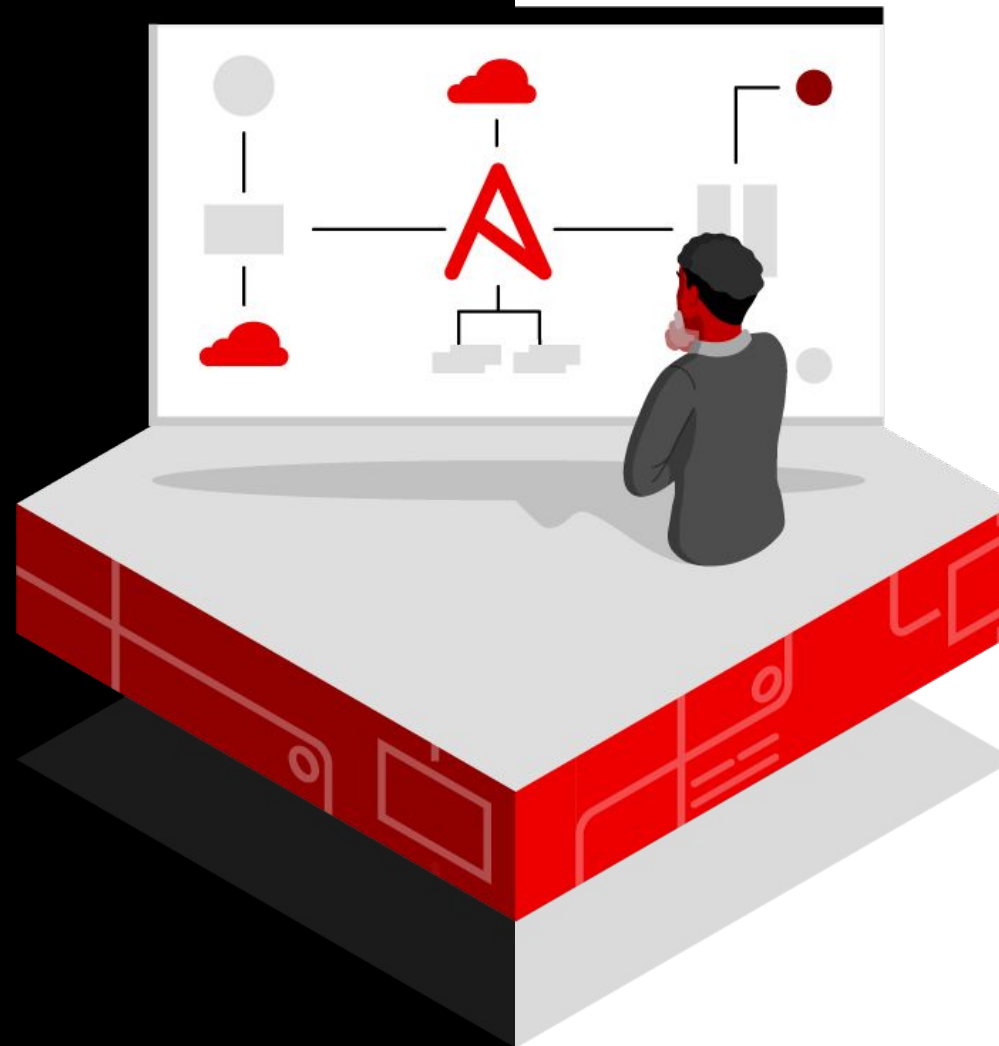
Log Aggregation

- ▶ **Stream logs** to existing monitoring systems
 - Splunk
 - ELK
 - Logstash

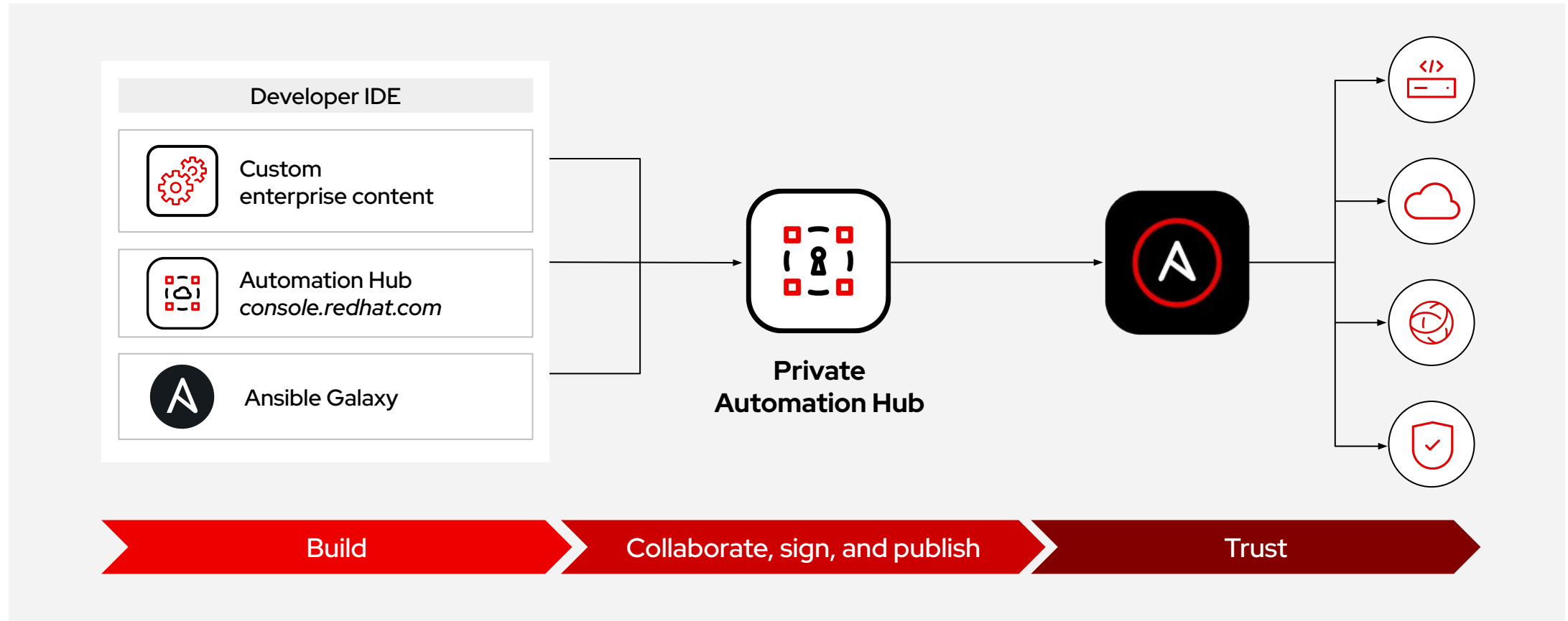
Content Signing. Trusted automation supply chain.



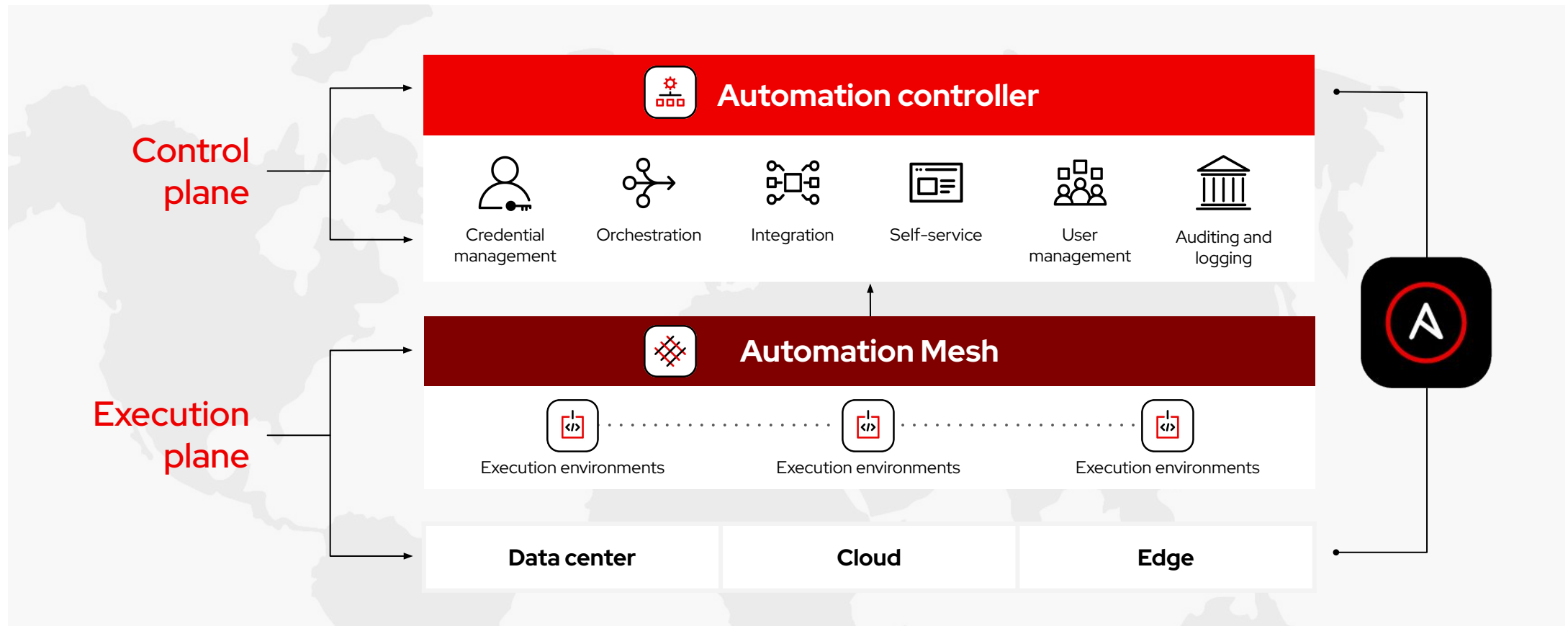
Scale



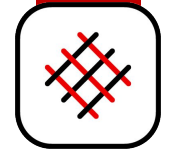
Private automation hub. Collaborate, sign, and publish.



A distributed architecture **built for scale.**



Automation mesh node types. **The execution plane.**



What is it?

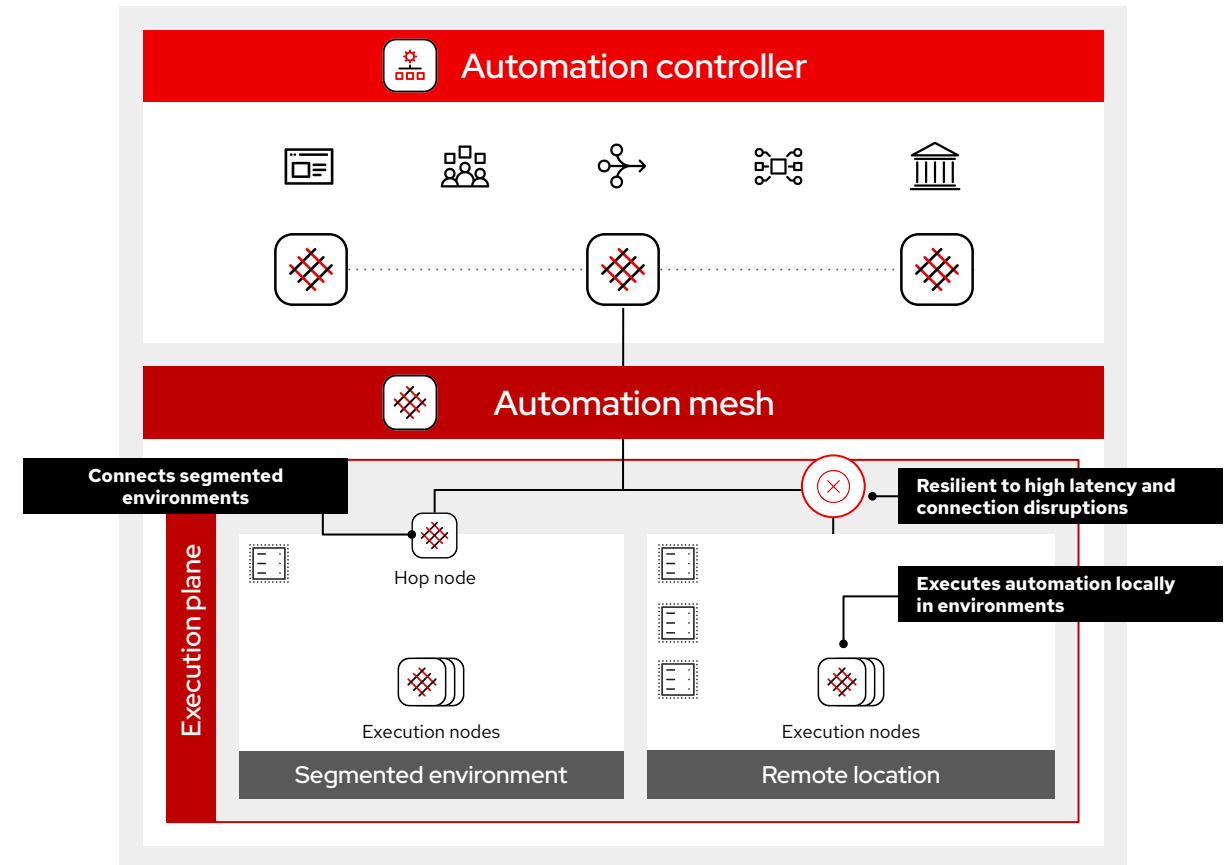
- ▶ Dedicated capacity to running playbooks
- ▶ Flexible designs possible across geographies and networks
- ▶ Resilient to high latency and connection disruptions
- ▶ Run automation without direct connection to controller

Execution node

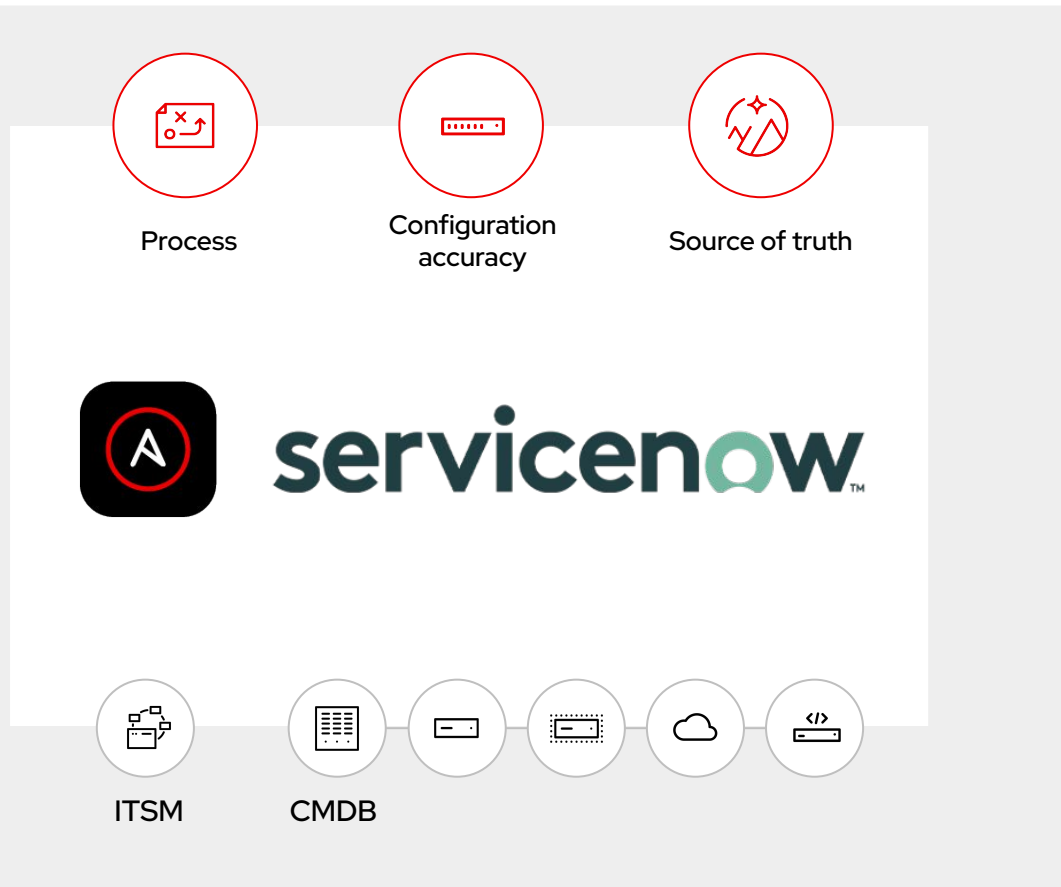
- ▶ Dedicated capacity to run automation and no controller runtime functions executed

Hop node

- ▶ Dedicated to route traffic across execution nodes not directly connected to controller and cannot run automation



Ansible Automation Platform **for ServiceNow solution.**



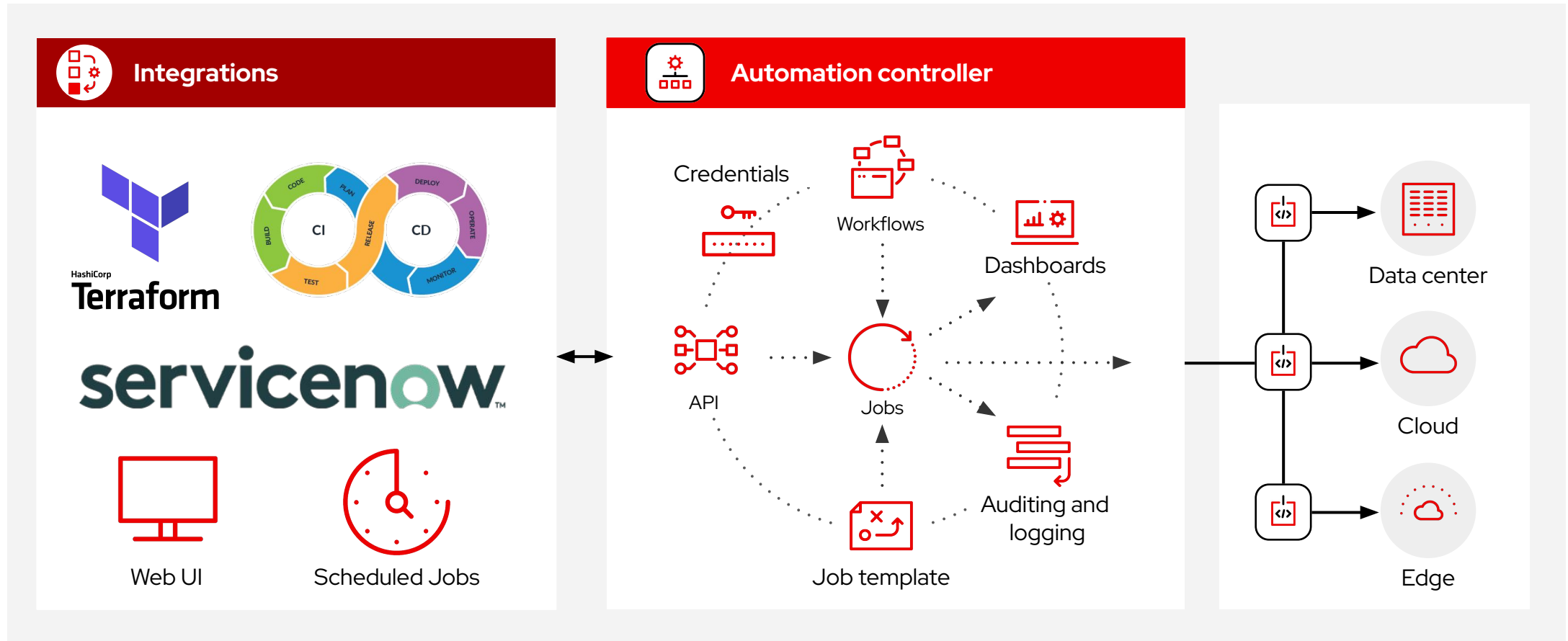
IT Service Management (ITSM)

- ▶ Create and update records
 - Incident, problem, problem task, change request
- ▶ Assign items to user accounts
- ▶ Attach files to records
- ▶ Advanced queries of record types
- ▶ Support for custom mappings (modified choice lists)

Configuration Management Database (CMDB)

- ▶ Advanced queries of configuration items
- ▶ Update configuration items after automated changes
- ▶ CMDB as inventory source for automation
- ▶ Batch modifications of configuration items

Automate your way - Single platform.



1:00 p.m. – 1:30 p.m.

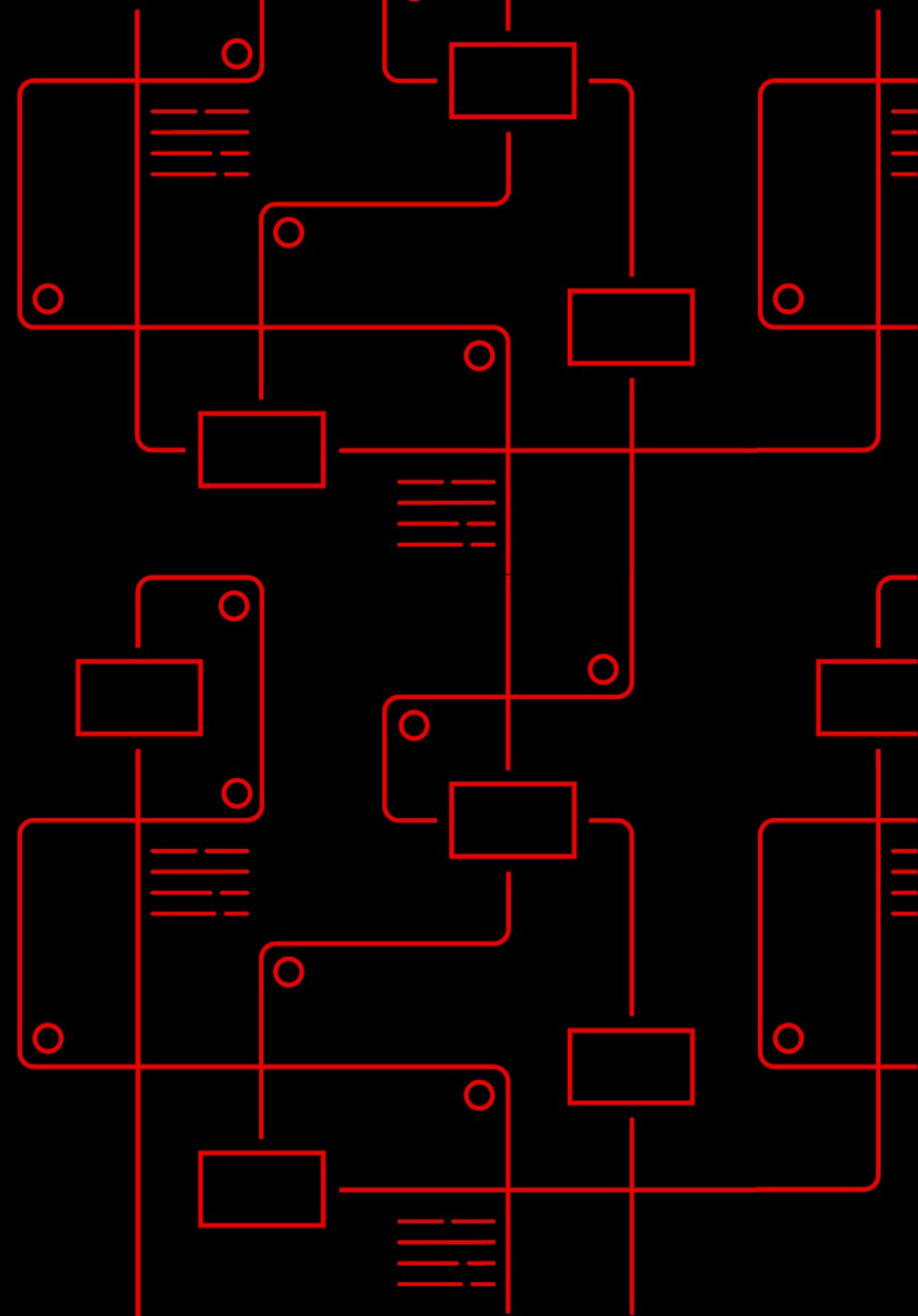
Stranger Things – Automation beyond servers

2:00 p.m. – 2:30 p.m.

Computacenter – The journey into network automation

3:30 p.m. – 4:00 p.m.

How automation supports your journey to the cloud



Red Hat
Summit

Thank you



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



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