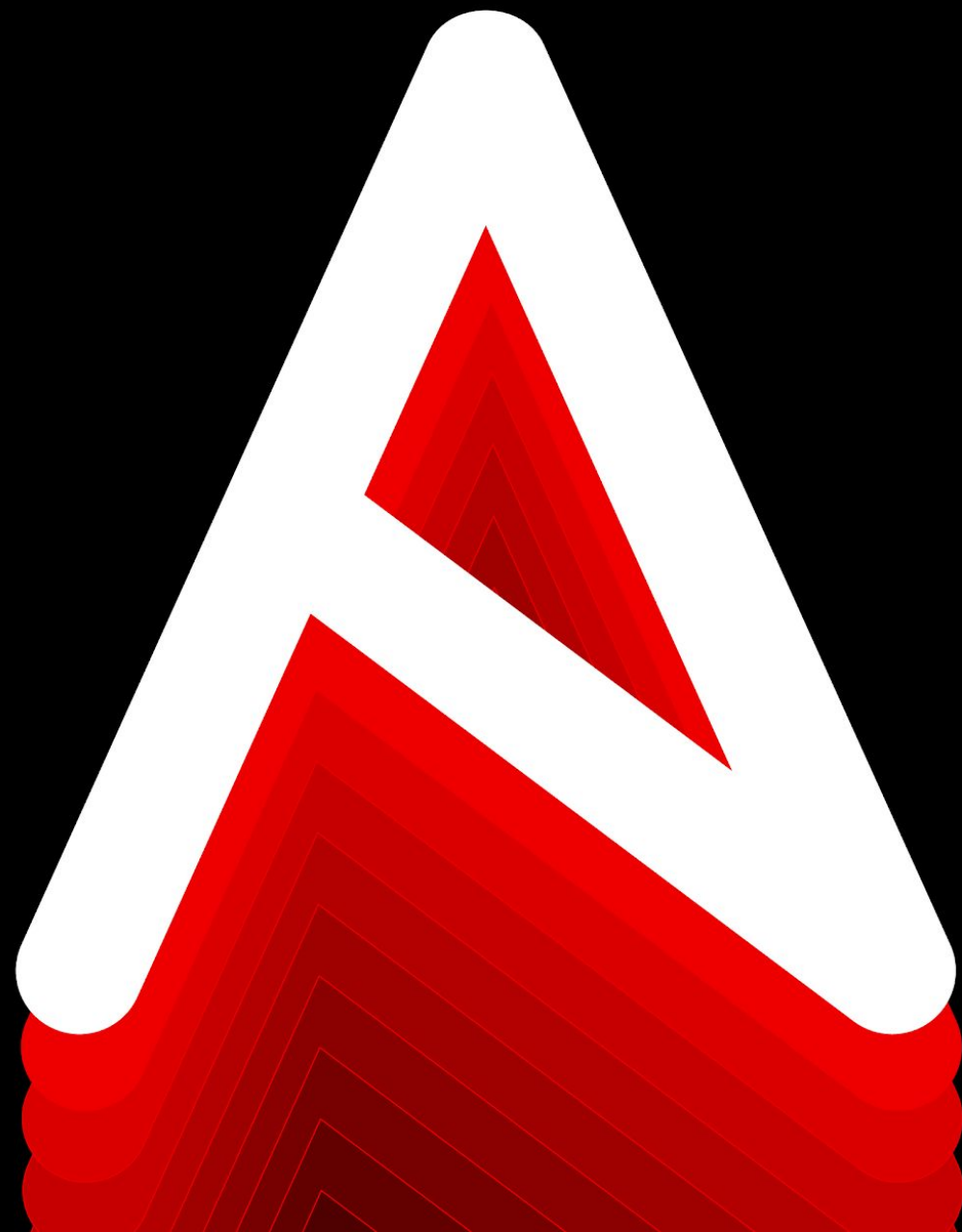


Red Hat Ansible Automation Platform

Webinar – Content creation tools experience

Craig Brandt
Technical Marketing Manager
Ansible Business Unit

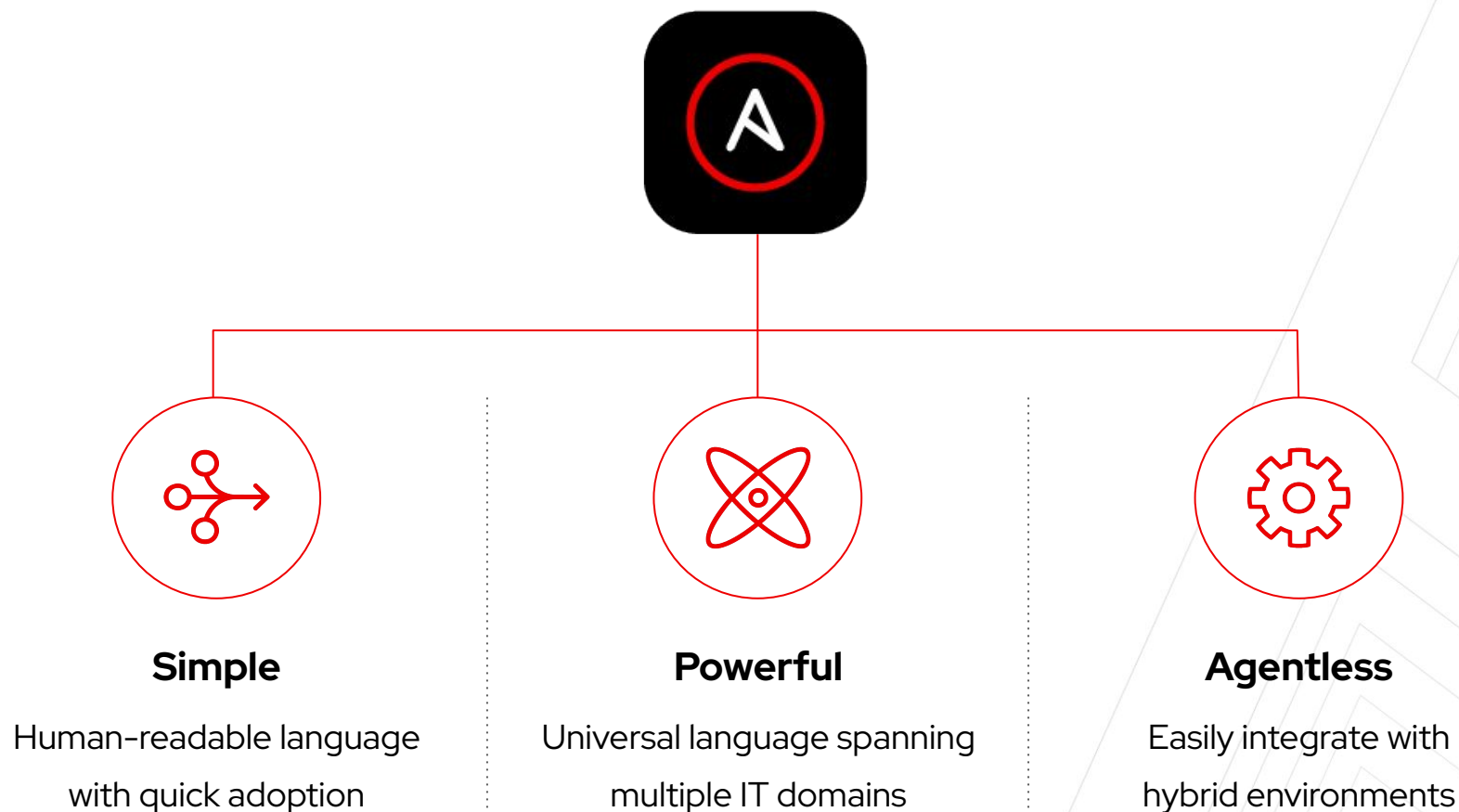




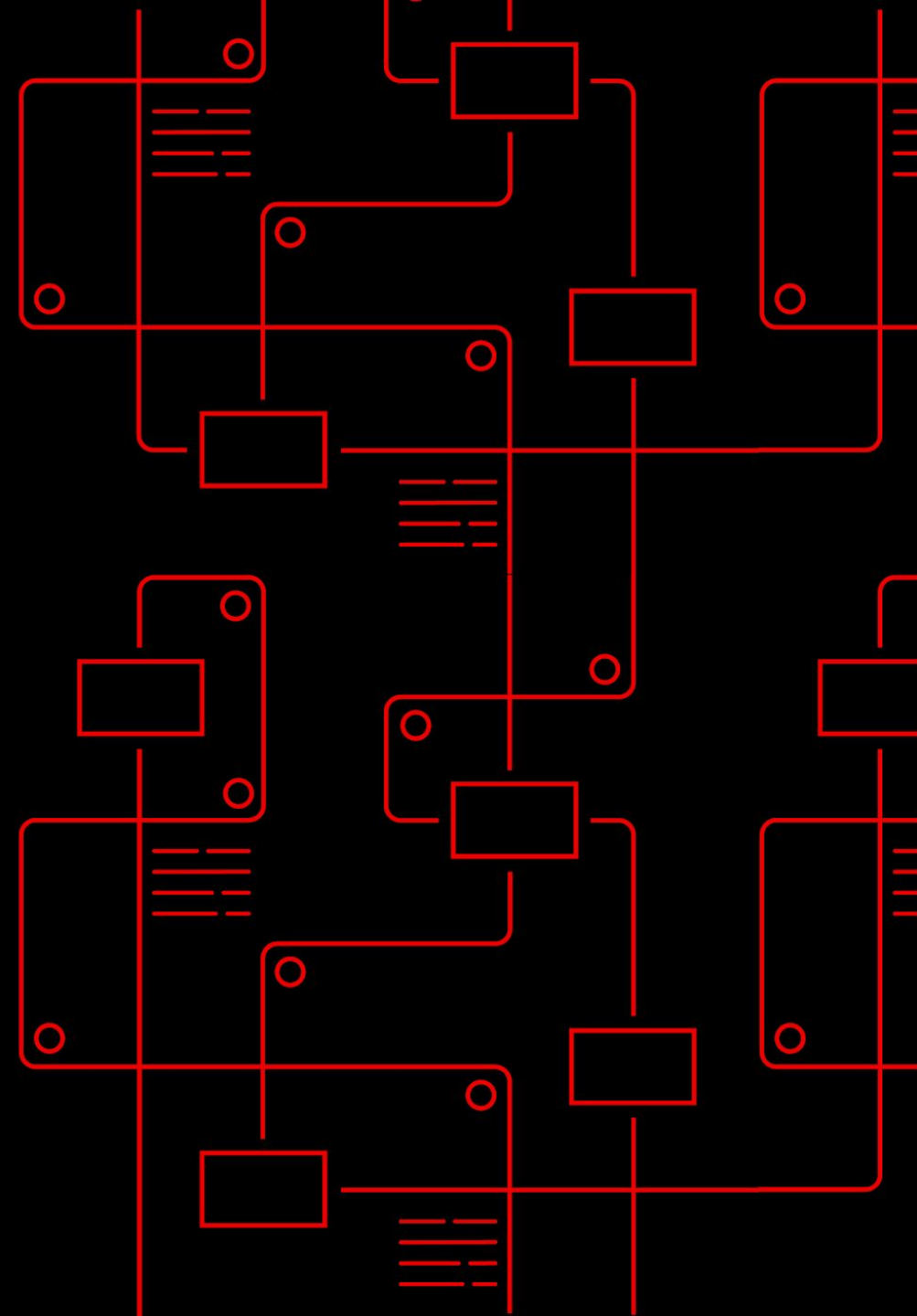
What we'll cover today...

- ▶ Ansible Automation Platform 2 overview
- ▶ What are Content Collections?
- ▶ Ansible Content Creation tools
- ▶ Running your Ansible content with controller
- ▶ Demo time!
- ▶ Wrapping up

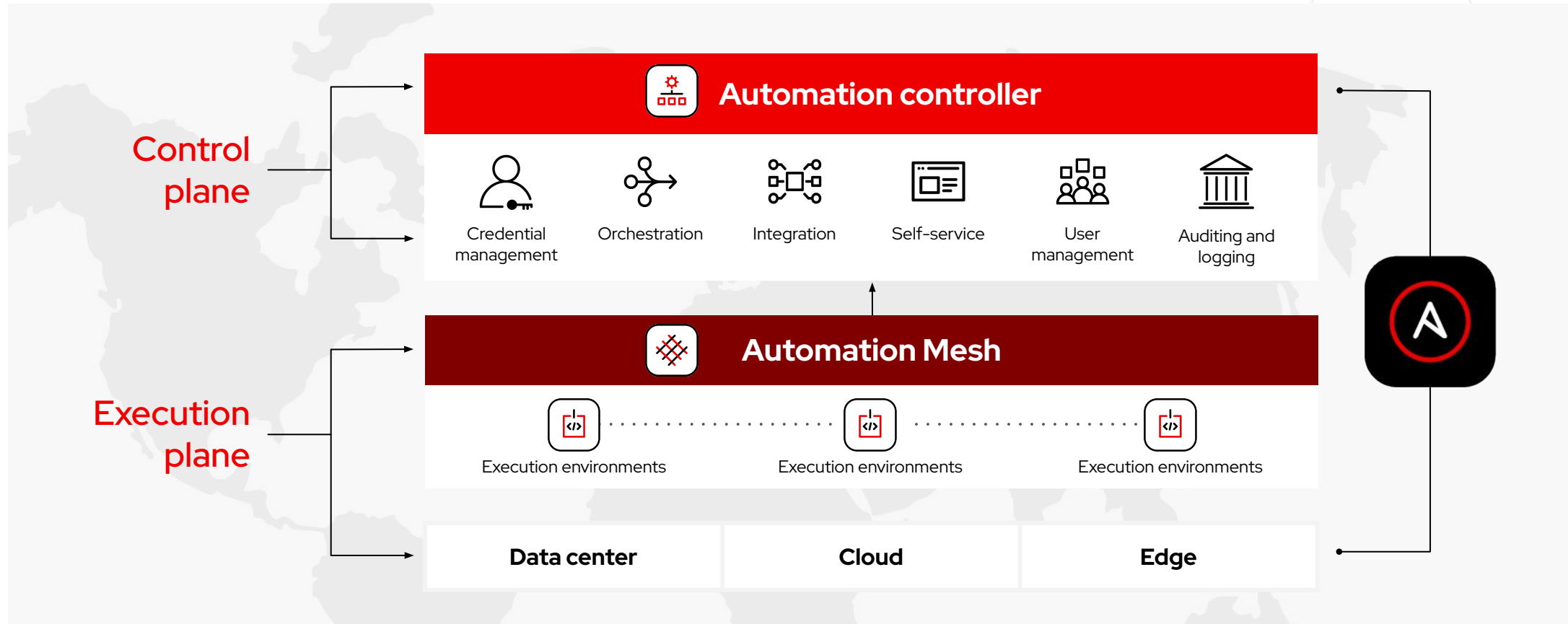
Ansible is the **de facto automation language.**



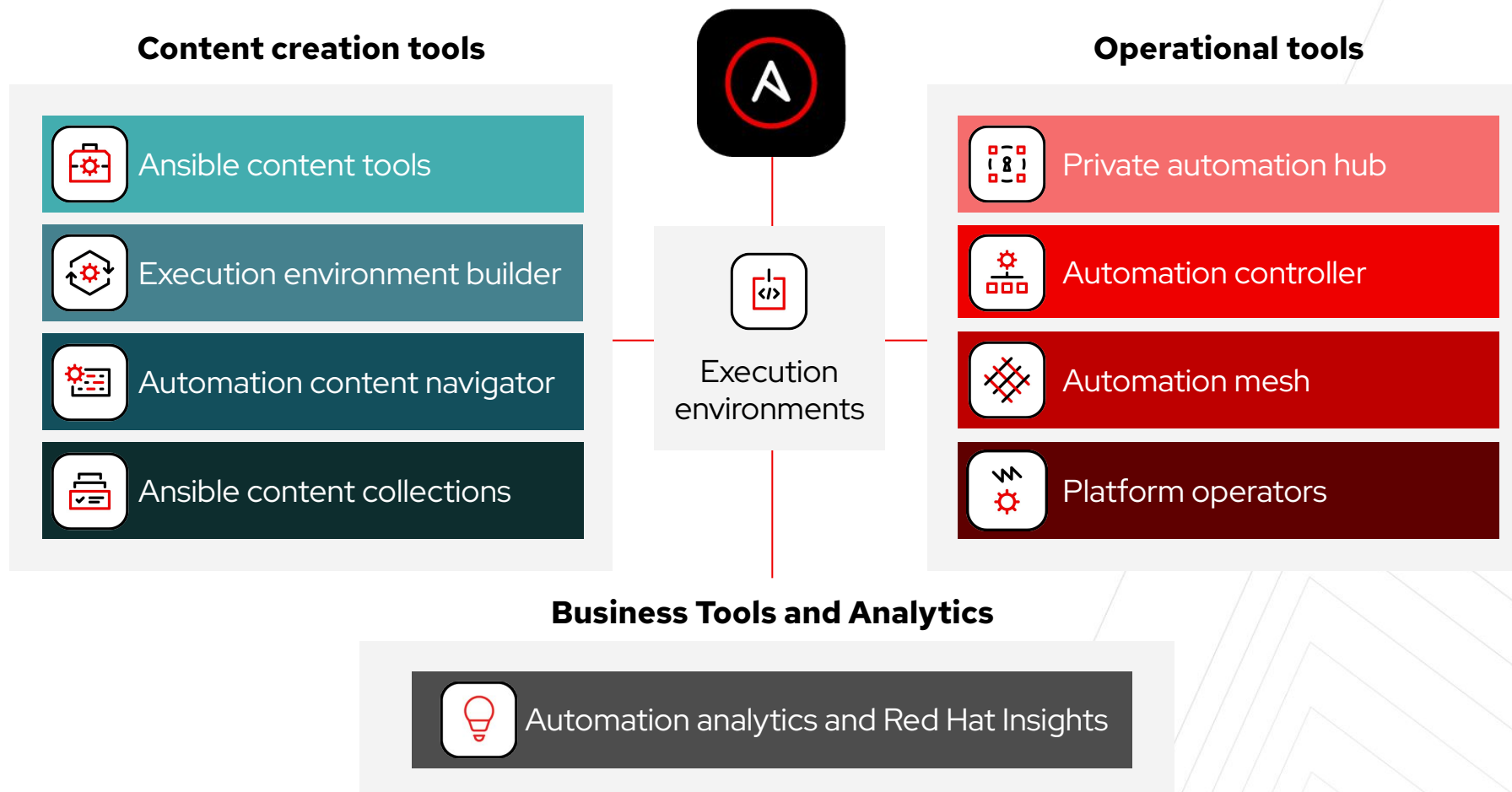
Anyone can automate...
but an enterprise needs to
coordinate and scale



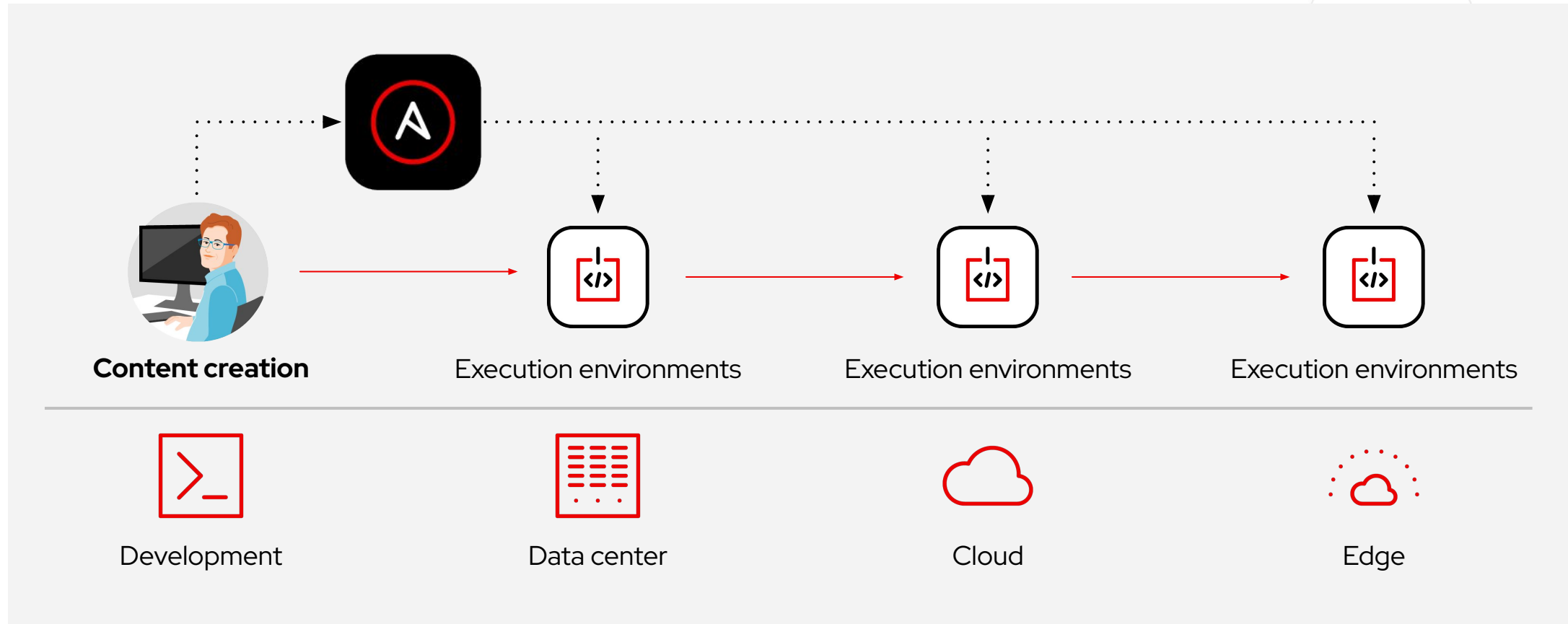
A distributed architecture **built for scale.**



An integrated solution **for the enterprise.**



Built for consistency. **Portability is reliability.**





Ansible Core (**ansible-core**)

What is it?

- ▶ The main building block for Ansible
- ▶ Simple YAML syntax to develop Ansible Playbooks
- ▶ Provides CLI tools to develop, test and run playbooks
- ▶ Pluggable architecture that allows extensions through Content Collections

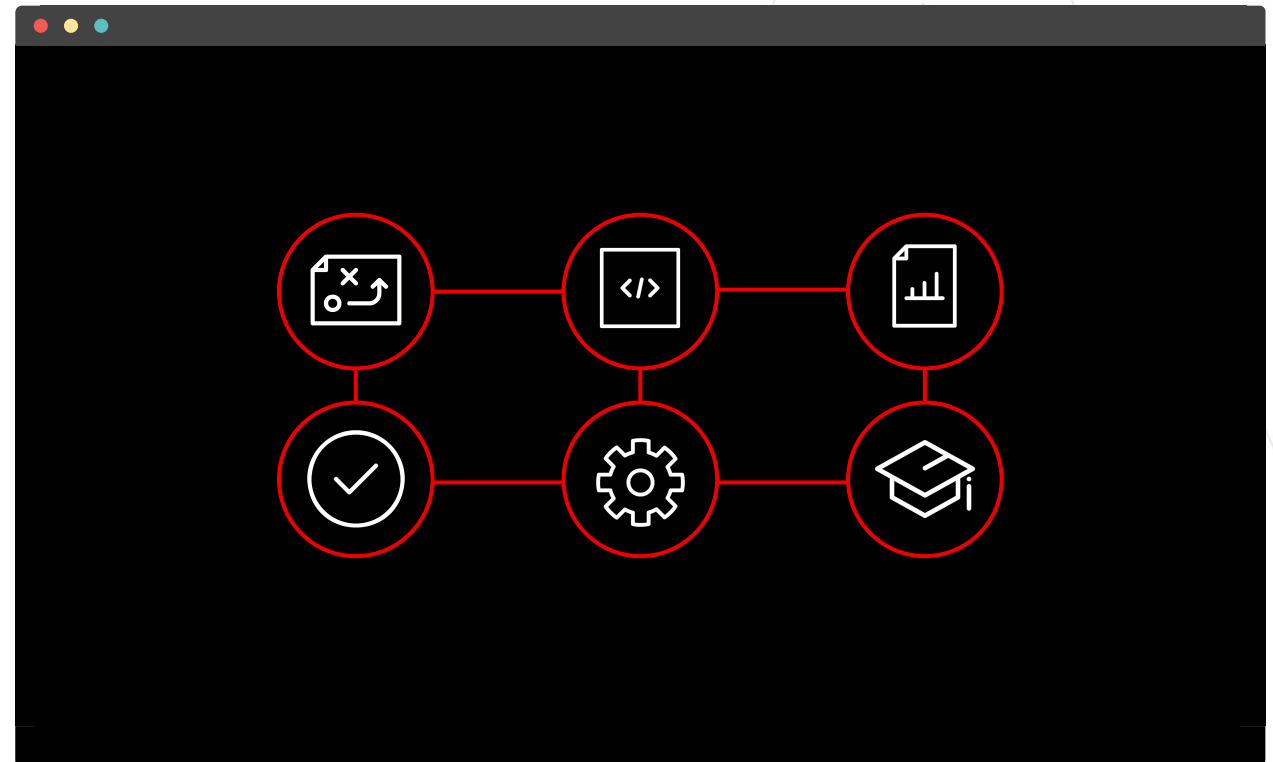
```
---
- name: Shutdown VM guest
  hosts: localhost
  gather_facts: false
  tasks:
    - name: Turn off specified VM guest
      vmware.vmware_rest.vcenter_vm_guest_power:
        state: shutdown
        vm: 1021343
        vcenter_hostname: vcenter.demoredhat.com
        vcenter_username: admin
        vcenter_password: tedlasso
```


Content Collections.

Simplified, consistent content delivery.

What are they?

- ▶ Group tasks and variables of your automation in a reusable structure
- ▶ Write roles once, and share them with others who have similar challenges in front of them





```
nginx_core
├── galaxy.yml
├── meta
├── playbooks
│   └── deploy-nginx.yml
├── ...
├── plugins
├── README.md
├── roles
│   └── nginx
│       ├── defaults
│       ├── files
│       │   └── ...
│       ├── tasks
│       ├── templates
│       └── ...
└── nginx_app_protect
    └── nginx_config
```

deploy-nginx.yml

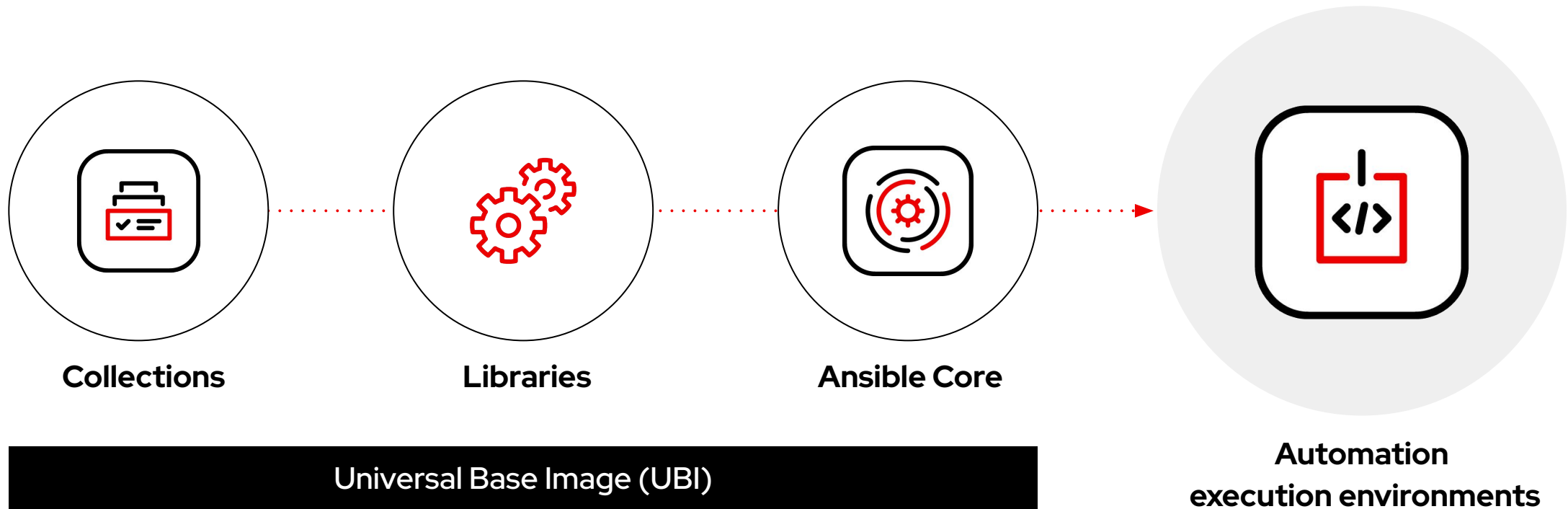
```
---
- name: Install NGINX Plus
  hosts: all
  tasks:
    - name: Install NGINX
      include_role:
        name: nginxinc.nginx
      vars:
        nginx_type: plus

    - name: Install NGINX App Protect
      include_role:
        name: nginxinc.nginx_app_protect
      vars:
        nginx_app_protect_setup_license: false
        nginx_app_protect_remove_license: false
        nginx_app_protect_install_signatures: false
```

Create

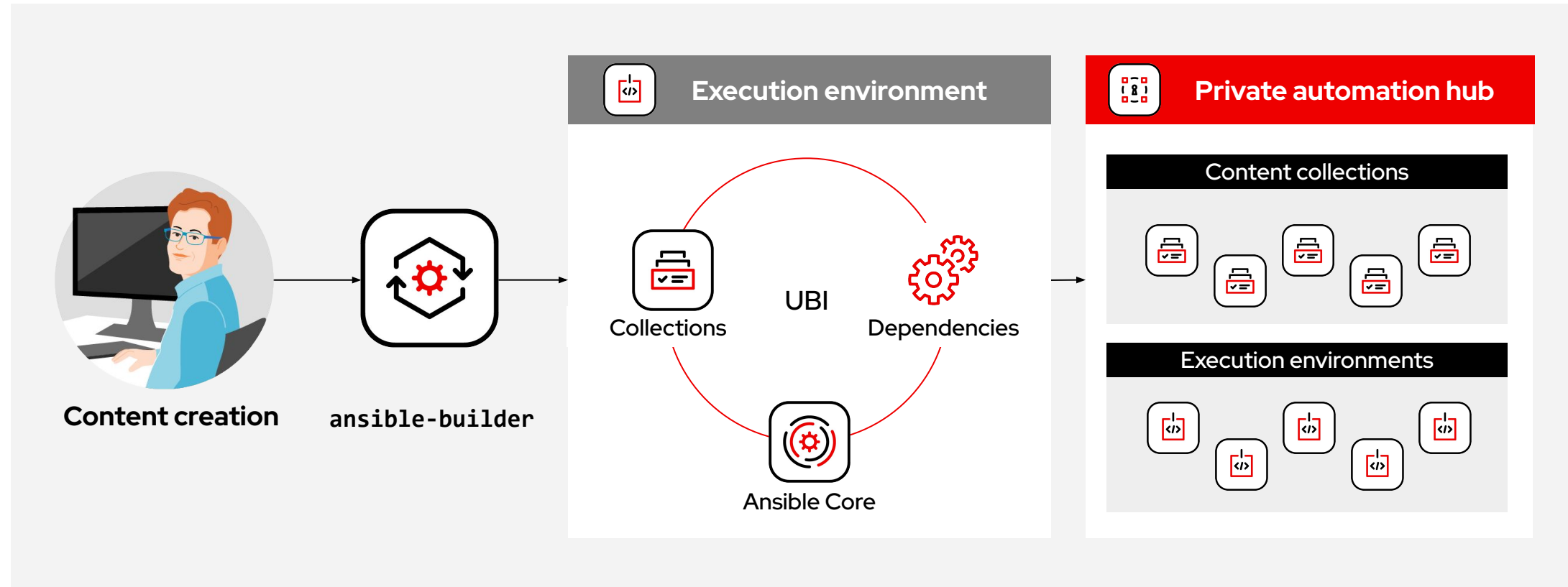


Automation execution environments. Reuse and scale automation content.

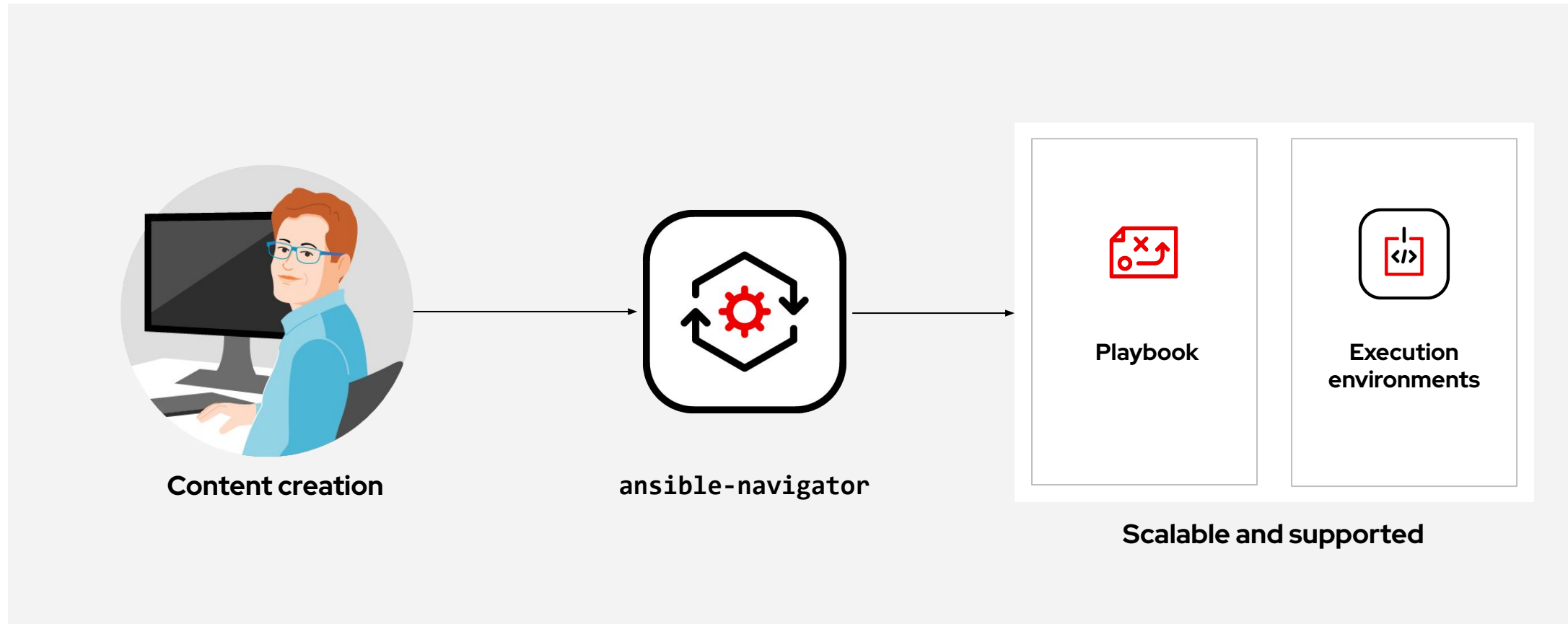


Execution environment development.

Build, collaborate, sign, publish.



Develop, test and run **containerized Ansible content**.



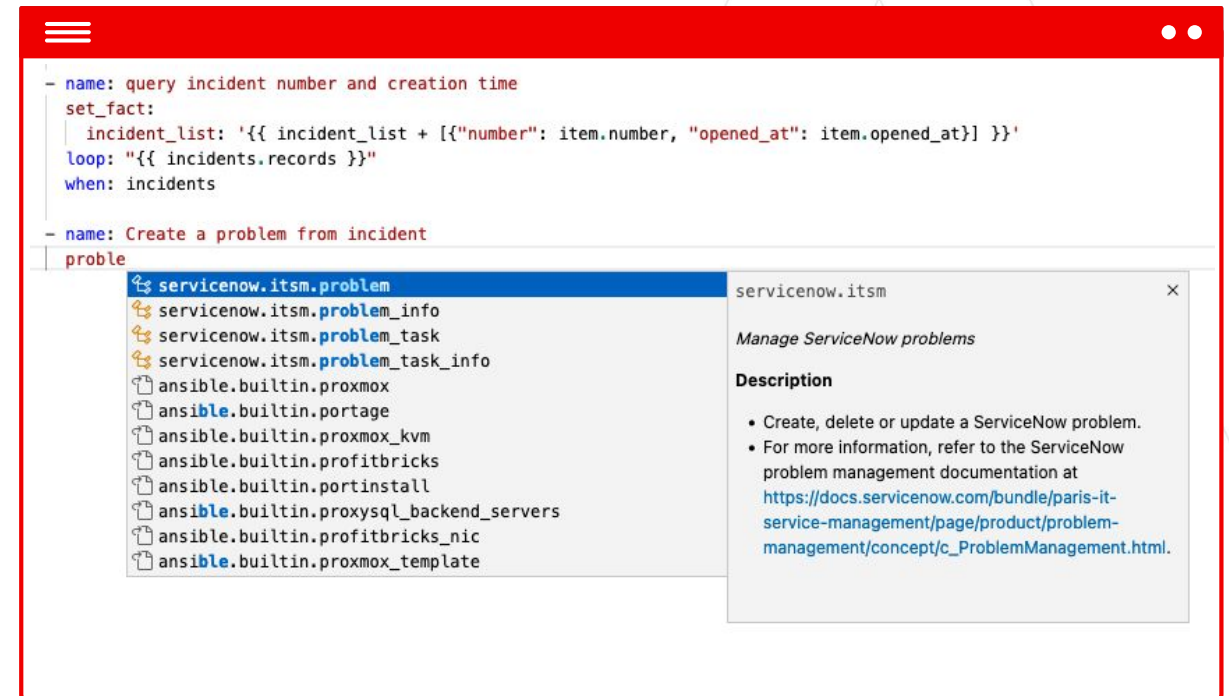


Ansible VS Code extension.

Simplifying content creation.

What is it?

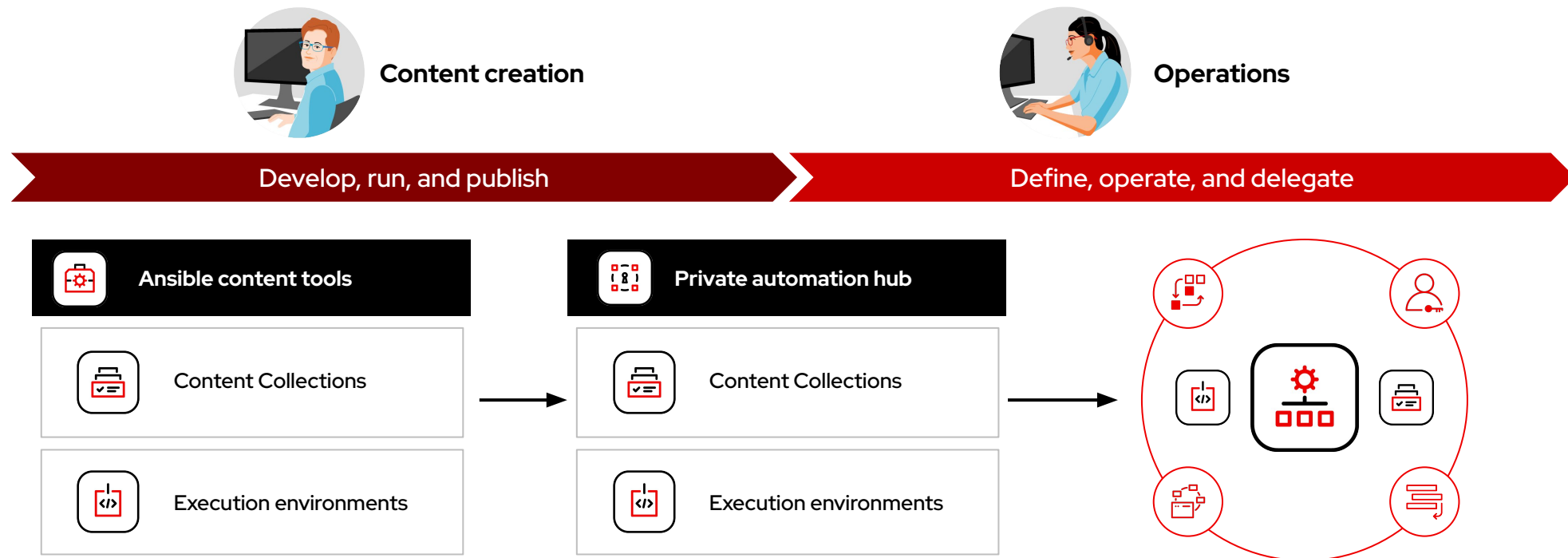
- ▶ Syntax highlighting of keywords such as module names
- ▶ Live validation of your code while you type
- ▶ Integration with ansible-lint*
- ▶ Autocompletion on play, block or task contents etc
- ▶ Documentation references as you code



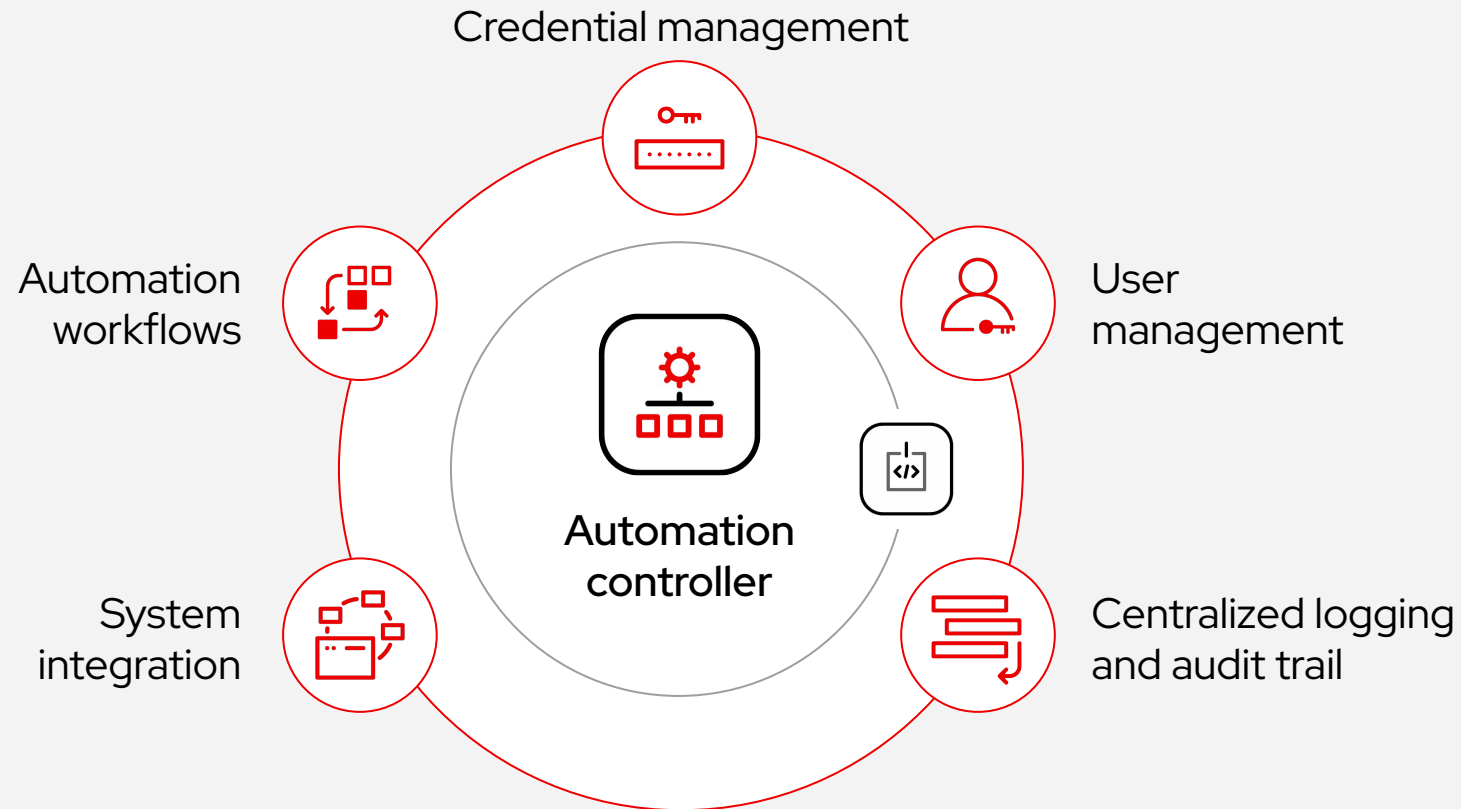
Manage



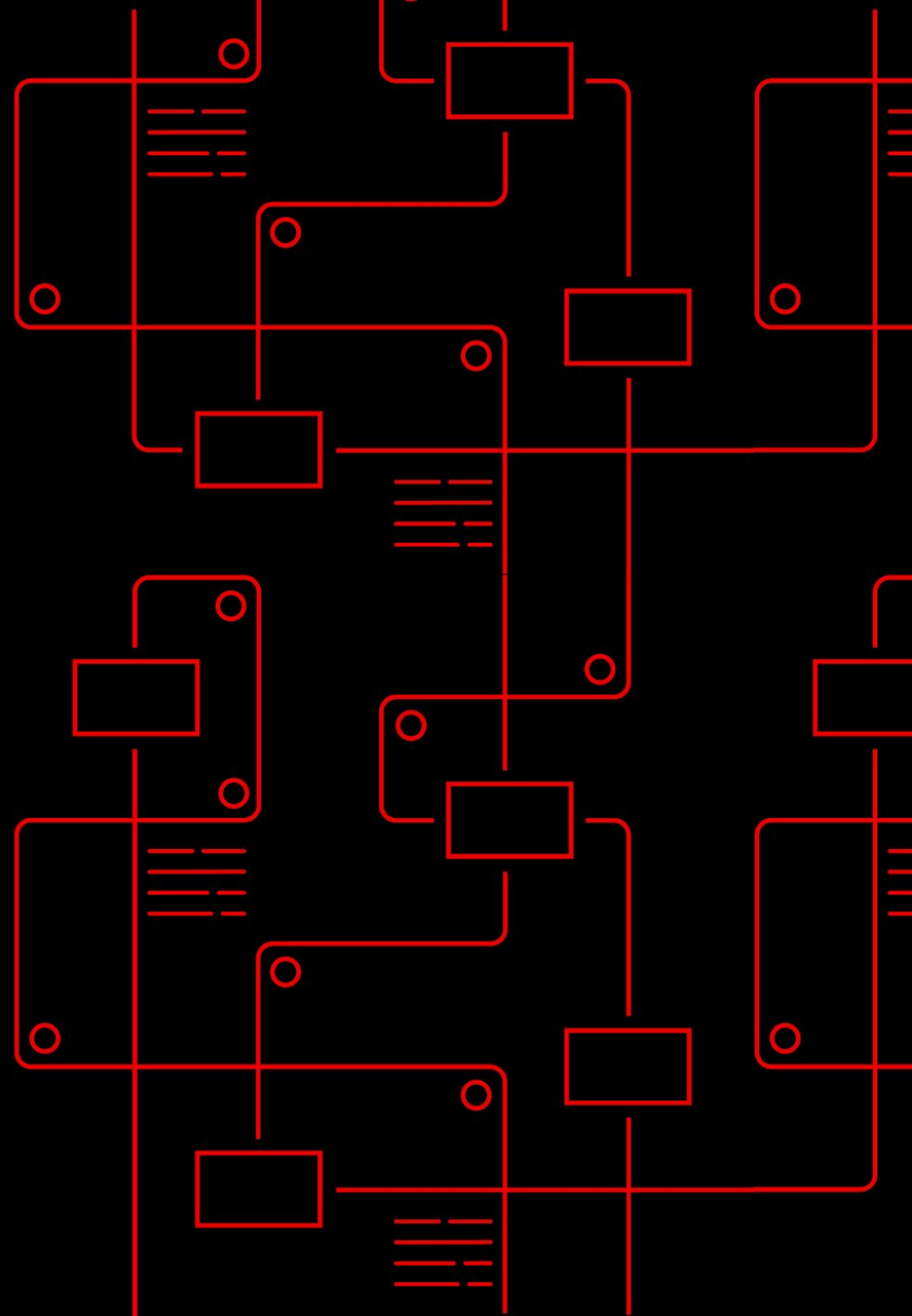
Creation to operations handover. **Consistent and portable.**



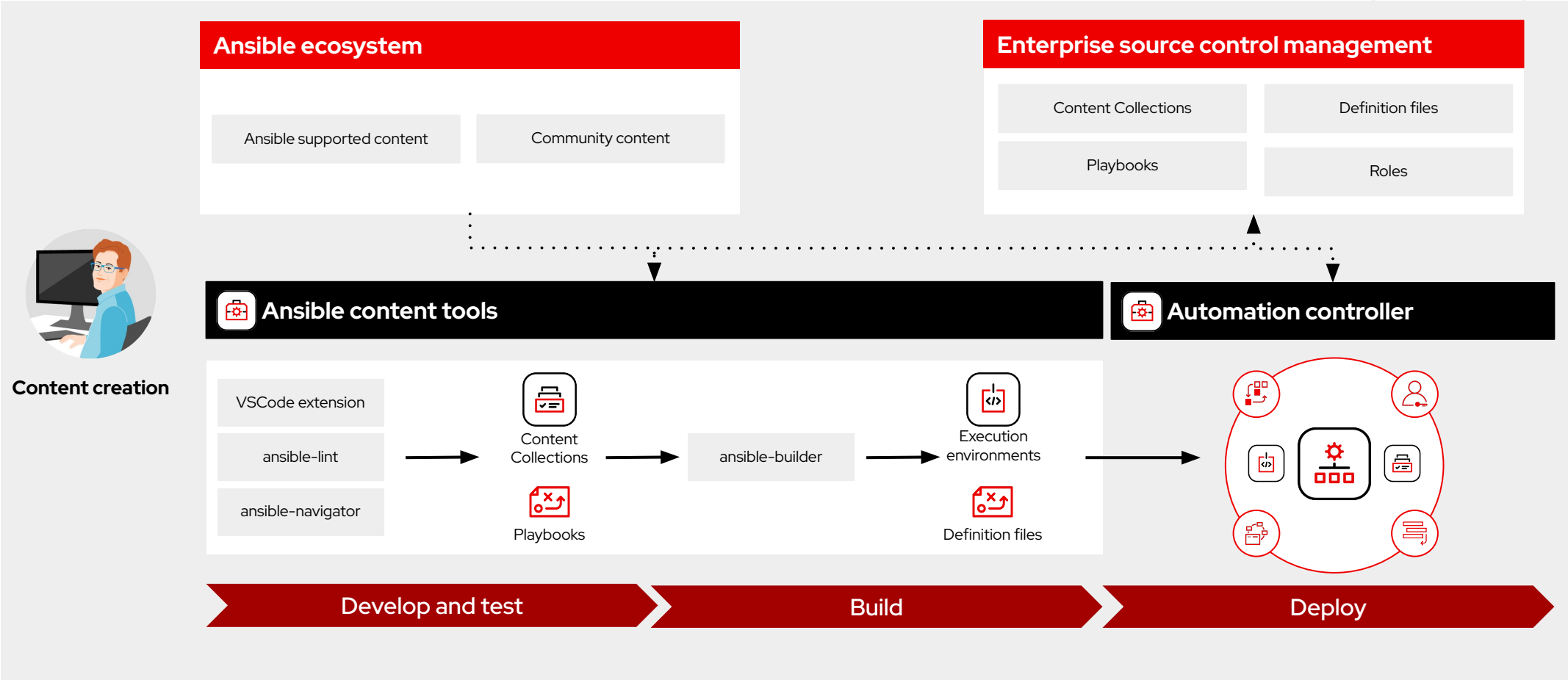
Enterprises **need more for their automation.**



Demo time!



Let's recap





Where to go **next**



Learn more

- ▶ Documents
- ▶ Youtube
- ▶ Twitter



Get started

- ▶ Self-paced labs
- ▶ Workshops
- ▶ Trial
- ▶ console.redhat.com



Get serious

- ▶ Red Hat Automation Adoption Journey
- ▶ Red Hat Training
- ▶ Red Hat Consulting

Thank you

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