

AUTOMATION SECURITY

Getting more value from your Automation Platform



Agenda

- Logistics
- Who is Crossvale
- Why is Automation Security important
- How we can help with enablement
- Automation Assessment



ACHIEVEMENTS

- ▶ 2001 – Crossvale Open for Business
- ▶ 2017 – Started Working on Kubernetes Platforms
- ▶ 2018 - 2021 5 Container Platform Specialist Awards
- ▶ Red Hat Apex Premier Partner
- ▶ AWS Certified Cloud Partner
- ▶ IBM Kyndryl – Global Service Partner
- ▶ Microsoft - Gold Partner (Infrastructure and Application Development)
- ▶ Google Cloud Platform – Certified Partner available on Google marketplace



WHAT WE DO

Crossvale Partners with IT Service Providers to bring your team the **Modernization Skills** to support your strategic customers demand for innovation.

Subscriptions
Scale and Save



Consulting Leadership
Day 0 – Assess & Plan



Skilled Services
Day 1 - Build & Deploy



Managed Services
Day 2 - Maintain & Comply



AUTOMATION

Rethink Repetitive Tasks

Automation Enables Strategic Thinking at the Speed of Business

Low-Level repetitive Business and IT tasks are cost organizations large amounts of shareholder value!

HYBRID CLOUD

Rethink Where IT is Running

Hybrid Cloud Enables IT to Run at the Speed of Business

A lack of a modern hybrid cloud strategy limits organization's ability to think innovatively, which enables disruptors to take market share.

MODERN APP DEVELOPMENT

Rethink Development Processes

Modern SDLC Enables IT to Develop at the Speed of Business

Legacy SDLC processes cost organizations known and unknown revenue opportunities. When IT is not able to deliver at the speed of Business

MANAGED SERVICES

Rethink Operations

24/7/365 Operational Efficiency and Capability

Enterprise systems never stop. Adoption of newer platform and modern applications architectures can prove impossible to embrace

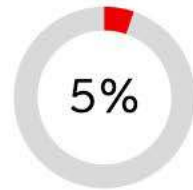


Ansible Automation Security

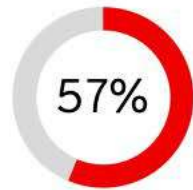


AUTOMATION SECURITY

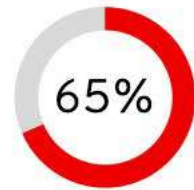
Why Ansible security automation?



Portion of alerts coming in that the average security team examines every day



Said the time to resolve an incident has grown



Reported increased Severity of attacks



Have their ideal security-skilled staffing level, making it the #2 barrier to Cyber resilience



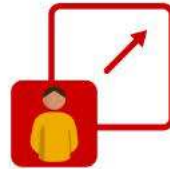
AUTOMATION SECURITY

How Automation solves today's security operations challenges



Speed

Reduce the number of manual steps and GUI-clicking, enable the orchestration of security tools and accelerate their interaction with each other



Reduce Human Errors

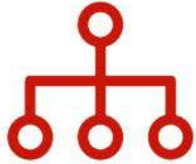
Minimize risks with automated workflows, avoid human operator errors in time-sensitive, stressful situations



Consistency

Enable auditable and verifiable security processes by using a single tool and common language covering multiple security tools

USE CASES



NETWORK AUTOMATION

Manage entire network and IT processes across physical networks, software-defined networks, and cloud-based networks.



SECURITY AUTOMATION

Orchestrate security systems using a curated collection of modules, roles, and playbooks to investigate and respond to threats.

SECURITY AUTOMATION

- System Hardening
- Audits
- Reports
- OS Patch Levels
- Identify & Manage Configuration Drift
- Investigation Enrichment
- Threat Hunting
- Incident Response
- Automation of:
 - Enterprise Firewalls
 - IDPS
 - SIEM
 - PAM
 - EPP

Security Compliance

Challenge

Today, organizations have designed good processes around security but struggle in their execution. The root cause in many cases is that humans become the bottleneck. The result is that failure can occur over time due to maintaining the compliance and configuration policies.

Along-side the execution of security processes is the reporting capability. Once more the human bottleneck hinders the speed and frequency of these reports. Furthermore, audits and audit trails are essential to standards adherence and can accelerate businesses towards their goals but again tend to be often manual in design.

Finally, you don't know what you don't know! – Major vulnerabilities are constantly coming out and it's difficult to stay ahead as it would demand checking all sectors, all of the time. Clearly, two factors are at play here – TIME and Human intervention/impact.

Ansible Security Ecosystem

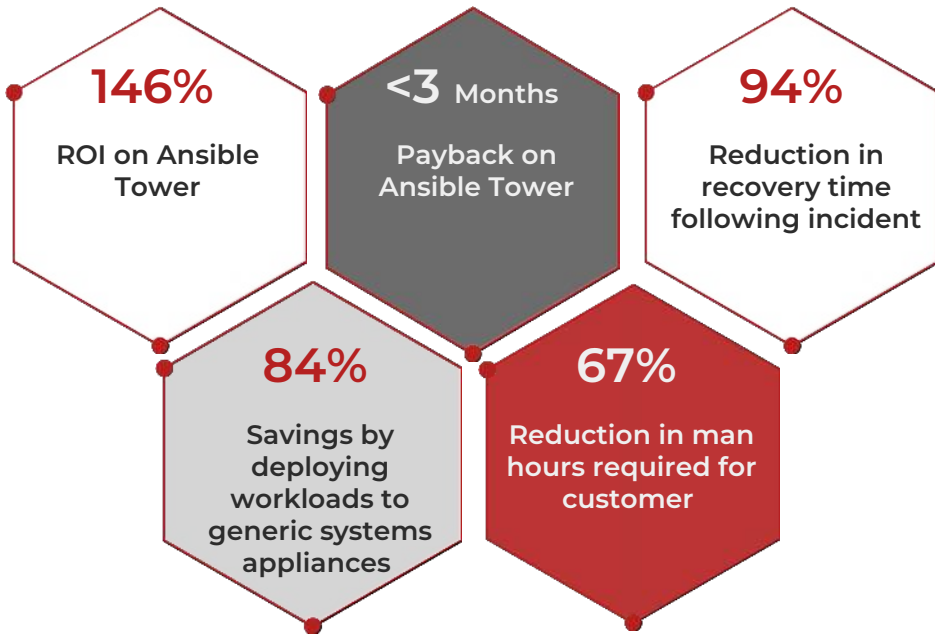



Enablement



IT AUTOMATION LAUNCHPAD

Quantifiable Results



 **Red Hat**
Ansible Automation
Platform

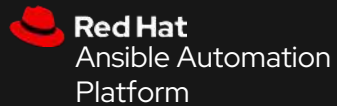
Simple, Clear Journey to Management

	STANDARD	ADVANCED	ENTERPRISE
OVERVIEW	<p>Ideal, low-cost starting point to build a long-term strategy around:</p> <ul style="list-style-type: none"> ▶ Ticketing ▶ Orchestration ▶ Provisioning ▶ Reconciliation 	<p>Highly available (HA) instance integrated and customized into your environment.</p> <p>Team fully trained to harness the platform</p>	<p>Create a centre of excellence</p> <p>Drive leadership and direction for your entire business operations</p> <p>Develop a business culture around automation</p>
DELIVERABLES	<ul style="list-style-type: none"> ▶ AAP* HA install ▶ AAP LDAP integration ▶ AAP Git integration ▶ AAP flat file inventory ▶ Example playbook run ▶ Integration with existing Satellite ▶ Gather facts report 	<p>All STANDARD plus..</p> <ul style="list-style-type: none"> ▶ AAP integrated inventory ▶ Satellite Installation ▶ Use cases featuring Surveys 	<p>All ADVANCED plus..</p> <ul style="list-style-type: none"> ▶ Ticketing system integration ▶ System patching workflowing external approvals ▶ AAP inventory integration with CMDB ▶ Playbooks automation Windows systems ▶ Automate network devices
DURATION	2 weeks	6 weeks	13 weeks

* Ansible Automation Platform

NETWORKING AUTOMATION LAUNCHPAD

Network Integrations



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DELIVERABLES	<ul style="list-style-type: none"> ▶ AAP* HA install ▶ AAP LDAP integration ▶ AAP Git integration ▶ AAP flat file inventory ▶ Example playbook run against network devices ▶ Config backup playbook run against network devices ▶ Gather facts report run against network devices 	<p>All STANDARD plus..</p> <ul style="list-style-type: none"> ▶ AAP integrated inventory ▶ Firmware upgrade base functionality in test environment ▶ Use cases featuring Surveys 	<p>All ADVANCED plus..</p> <ul style="list-style-type: none"> ▶ Ticketing system integration ▶ Firmware upgrade workflow using external approvals ▶ AAP inventory integration with CMDB
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Automation Assessment

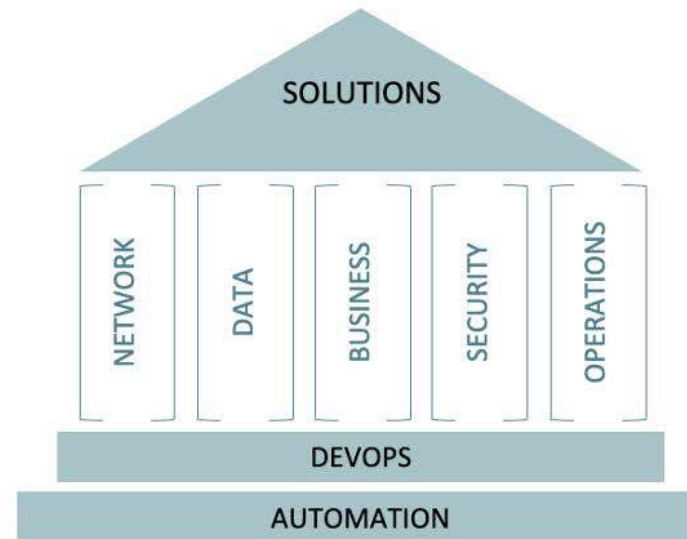


AUTOMATION ASSESSMENT

2. Scope of Work (Assessment)

Assessment Type:

- Limited Capabilities Assessment – 1 Weeks
- **High-Level: Focused Roadmap – 2 Weeks**
- Detailed Full Assessment – 6 – 13 Weeks



- Technology Selection
- Solution Architecture
- Runtime Architecture
- Development Architecture
- Frameworks

- Enterprise-wide
- Networking policies
- Data providers
- Security Systems and interfaces
- Operations support (observability and alerts)

- Automation of processes
- Approvals and ITSM
- Everything as code
- Traceability
- Development support

Other Automation uses



USE CASES



PROVISIONING

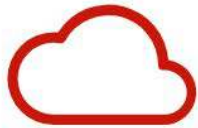
Streamline the process of PXE booting and kickstarting bare-metal servers or VMs, or creating virtual or cloud instances from templates.



CONFIGURATION MANAGEMENT

Centralize configuration file management and deployment with a low learning curve for administrators, developers, and IT managers.

USE CASES



CLOUD AUTOMATION

Provision instances, networks, and infrastructure with support modules that ensure deployments work across public and private clouds.



EDGE AUTOMATION

Standardize configuration and deployment across your entire IT landscape—from datacenter to cloud to edge environments—with a single, consistent automation platform.



USE CASES



PROVISIONING

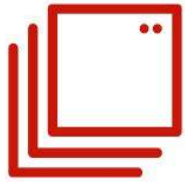
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USE CASES



APPLICATION DEPLOYMENT

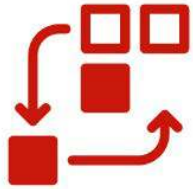
Automate your application deployments and make your installations, upgrades, and day-to-day management repeatable and reliable.



CONTINUOUS DELIVERY

Release new software features, bug fixes, and code changes more frequently with multitier, multistep application orchestration—so your codebase is always ready for deployment to production.

USE CASES



ORCHESTRATION

Manage disparate pieces as a whole and bring order to deployment challenges like multiple datacenter and cloud environments or applications with complex dependencies.



ENDPOINT PROTECTION

Automatically detect, investigate, and remediate malicious activities on endpoint devices with integrated Endpoint Protection Platforms (EPP) tools.

ANSIBLE INTEGRATION WITH SERVICENOW

Installing the Certified Content Collection for ServiceNow

Managing Incidents, the Ansible Way

Updating the CMDB

Dynamic Inventory

Automation Resolution of Standard Change Request

 **Red Hat**
Ansible Automation
Platform

 Red Hat

now

BUSINESS VALUE HIGHLIGHTS

667%
five-year return on
investment (ROI)

10 months
months to payback

30%
more efficient IT
infrastructure management

29%
more efficient network
infrastructure management

75%
faster deployment of new
storage resources

39%
more applications developed
per year

30%
more efficient IT security
teams

76%
reduction in unplanned
downtime

\$1.9 million
total new revenue gained
per year



LET'S PARTNER TOGETHER ...

CONTACT INFORMATION

Email: sales@crossvale.com

Link to more info on Ansible:

: <https://www.redhat.com/en/technologies/management/ansible>

