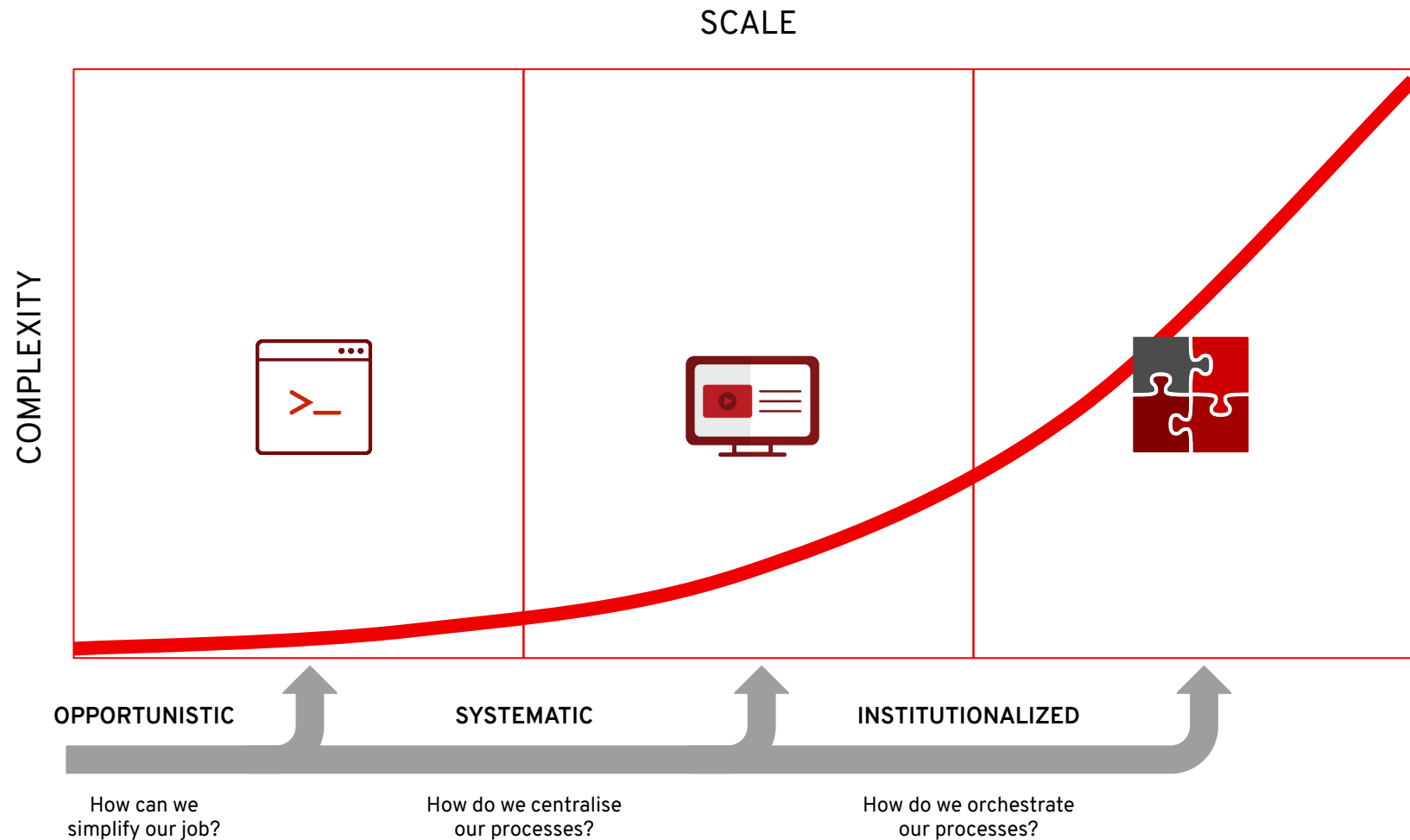# Automation Use Cases

Enable And Empower With Open Source Solutions

Speaker Name
Speaker Title

Speaker Name
Speaker Title

Red Hat

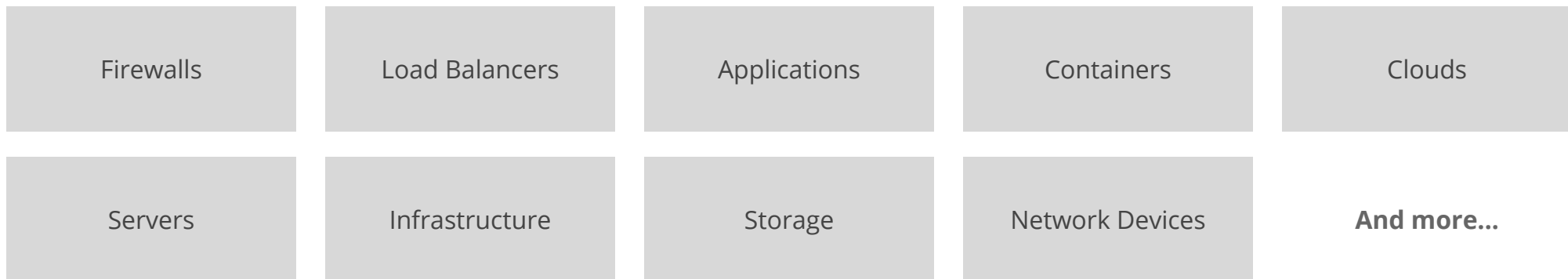# Where are you in your Automation Journey?

SCALE

COMPLEXITY

OPPORTUNISTIC

SYSTEMATIC

INSTITUTIONALIZED

How can we
simplify our job?

How do we centralise
our processes?

How do we orchestrate
our processes?

Red Hat

It starts often with one challenge to solve but it can do much more

Do this...

| Orchestration | Configuration Management | Application Deployment | Provisioning | Continuous Delivery | Security and Compliance |

On these...

| Firewalls | Load Balancers | Applications | Containers | Clouds |

| Servers | Infrastructure | Storage | Network Devices | **And more...** |

Red Hat

Use Case: Infrastructure

Customer Challenge

Costly maintenance and poor SLAs in a mixed multiple operating systems environment.

Value

Predictable and repeatable process, mitigating risks of service downtime.

BY THE NUMBERS:

75%

CHANGED
DELIVERY TIME

CUSTOMERS:

ARMY

Virtual Infrastructure

Customer Challenge

Empower innovation and improve Time-to-Market for legacy LoB applications.

Value

Deliver virtual resources faster, from weeks to few minutes, with consistency among multiple clouds.

BY THE NUMBERS:

99%

REDUCED WORK
HOURS FOR UPDATING

CUSTOMERS:

SoftBank

Red Hat

Continuous Integration And Delivery

Customer Challenge

Unreliable applications and services, with poor quality and high incidence of regressions.

Value

Empower teams to perform reliable tests and integration with CI/CD systems.

BY THE NUMBERS:

1

DAY ADOPTING ANSIBLE

CUSTOMERS:

amelco
TECHNOLOGY IN PLAY

Red Hat

Customer Challenge

The infrastructure and responsibilities of the IT team constantly grow, but the staffing does not keep pace.

Value

A small team can manage large complex IT infrastructures in automated fashion.

BY THE NUMBERS:

50%

REDUCED IT
MANAGEMENT TIME

CUSTOMERS:

Bundesanstalt für
Landwirtschaft und Ernährung

Red Hat

Use Case: Network

Customer Challenge

Configuration inconsistency and network instability.

Value

Standardization and enforcement of best-practices helps to scale operations and reduce MTTR (Mean Time To Resolution).

BY THE NUMBERS:

3000

HOURS PER YEAR SAVED

CUSTOMERS:

swisscom

Red Hat

Troubleshooting

Customer Challenge

Troubleshooting is time consuming and always requires senior engineers.

Value

Decrease time required to identify and remediate known issues. Empower others with control.

BY THE NUMBERS:

275+

CERTIFIED PARTNER MODULES

CUSTOMERS:

surescripts®

Compliance & Traceability

Customer Challenge

Trace & audit configuration changes while keeping control and of software versions and enforcing them.

Value

Rapidly identify and mitigate risks associated with non-compliant configuration and software versions with the help of version control.

BY THE NUMBERS:

50

NETWORKING
PLATFORMS

CUSTOMERS:

surescripts®

Customer Challenge

Track platform resources and coverage of Support & Maintenance.

Value

Perform preventive maintenance, reducing outage risks and costs of unnecessary hardware-refresh.

BY THE NUMBERS:

15,000

MANAGED COMPONENTS

CUSTOMERS:

swisscom

Red Hat

Use Case: Security

Customer Challenge

Attacks are more frequent and sophisticated, analysis is too time consuming and complex.

Value

Easier event triage, streamlined control of multiple tools for improved analysis.

BY THE NUMBERS:

3

PLATFORMS
AT LAUNCH

CUSTOMERS:

Red Hat

Customer Challenge

Threats are hard to identify in complex setups.

Value

Automatically validate and escalate threats, trigger remediation.

BY THE NUMBERS:

94%

REDUCTION IN MAN HOURS TO RECOVER FROM SECURITY INCIDENTS

CUSTOMERS:

FORRESTER ANALYST PAPER

Red Hat

Incident Response

Customer Challenge

Remediation across multiple platforms and tools is complex, time consuming and error prone.

Value

Reduce the change delivery time, automate concurrent remediation on multiple levels.

BY THE NUMBERS:

25%

INCREASED SECURITY
TEAM PRODUCTIVITY

CUSTOMERS:

IDC ANALYST PAPER

Red Hat

Use Case: Devops

Red Hat

Customer Challenge

The time it takes from PoC to production is too long. Manual processes thwart the transition of new releases from stage to stage.

Value

Automate provision, testing and other routine tasks, saving valuable engineering time and mitigate risks of errors.

BY THE NUMBERS:

3rd

PARTY SERVICES
AUTOMATED

CUSTOMERS:

Lufthansa Technik

Red Hat

Customer Challenge

Deploying changes to complex environments is time consuming and requires expert on the component.

Value

Deploy changes automatically with infrastructure as code.

BY THE NUMBERS:

4h☐15m

PROVISION
ENVIRONMENT TIME

CUSTOMERS:

ServiceMaster.

Red Hat

Customer Challenge

Deploying new servers takes too much time, thus provisioning new services and running PoCs is slow.

Value

Complex deployment processes can be automated and integrated with each other via fully controllable APIs.

BY THE NUMBERS:

45□1

REDUCED SERVER
DEPLOY TIME

CUSTOMERS:

Red Hat

Use Case:
Hybrid Cloud

Customer Challenge

Adoption of multi cloud operations is difficult due to different tools and knowledge required for each cloud.

Value

Provide multi cloud automation via single API and reusable code.

BY THE NUMBERS:

20%

EFFICIENCY GAIN

CUSTOMERS:

DATACOM

Red Hat

Customer Challenge

Prices for cloud resources can be very different from vendor to vendor. Dynamically migrating workloads would benefit from that, but is hard to do.

Value

The same automation code can be written cloud agnostic, and run against different cloud vendors at need.

BY THE NUMBERS:

3rd

PARTY SERVICES
AUTOMATED

CUSTOMERS:

Lufthansa Technik

Customer Challenge

Supporting existing on-site brown field and integrating it with new cloud approaches.

Value

Automate existing assets with the same code as public cloud and future assets.

BY THE NUMBERS:

1w □ 3d

TASK TIME WENT DOWN

CUSTOMERS:

ascend money

Use Case: Platform

Red Hat
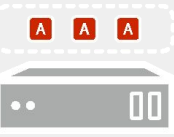
Customer Challenge

Lorem Ipsum

Value

Lorem Ipsum

BY THE NUMBERS:

10.5

AN VIX OPORTERE
PROBATUS

CUSTOMERS:

Red Hat

Automation Success Path

Automation Success Path
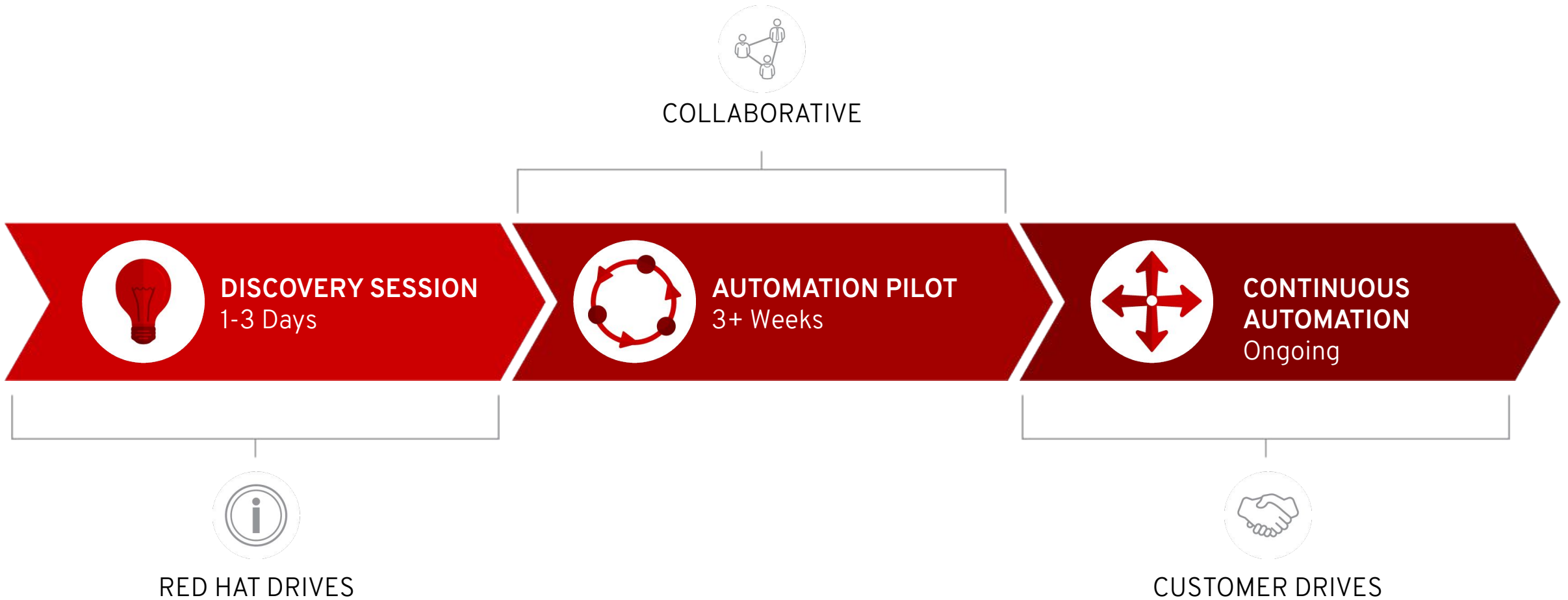
COLLABORATIVE

DISCOVERY SESSION
1-3 Days

AUTOMATION PILOT
3+ Weeks

CONTINUOUS AUTOMATION
Ongoing

RED HAT DRIVES

CUSTOMER DRIVES

Automation Success Path

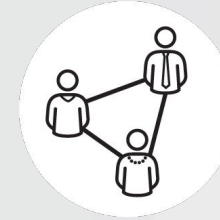| DISCOVERY SESSION 1-3 Days	AUTOMATION PILOT 3+ Weeks	CONTINUOUS AUTOMATION Ongoing

OUTCOMES

- Automation Roadmap
- Scope Definition
- Budget Plan

CUSTOMER PARTICIPANTS

- Budget Sponsor
- Domain Architect Lead
- Service Delivery Managers

RED HAT PARTICIPANTS

- Solutions Architect
- Automation Consultant
- Service Manager

Red Hat

Automation Success Path

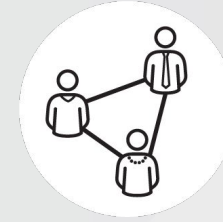| DISCOVERY SESSION 1-3 Days | AUTOMATION PILOT 3+ Weeks | CONTINUOUS AUTOMATION Ongoing |

OUTCOMES

• Minimum Value Product.
• Deployed and Operationalized Tools.
• Top 5 Representative Use-Cases.
• Load & Test Baseline.

CUSTOMER PARTICIPANTS

• Domain Architect Lead
• Automation Lead
• Head of Operations

RED HAT PARTICIPANTS

• Solutions Architect
• Automation Consultant
• Project manager

Automation Success Path

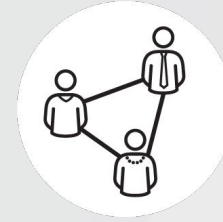| DISCOVERY SESSION 1-3 Days	AUTOMATION PILOT 3+ Weeks	CONTINUOUS AUTOMATION Ongoing

OUTCOMES

Go-Live with customer Dev and Ops teams involved in the pilot phase, fully operational and capable to create and maintain automation content.

CUSTOMER PARTICIPANTS

Ongoing support and maintenance by customer's Dev, Ops and Automation teams.

RED HAT PARTICIPANTS

Red Hat Customer Experience and Engagement - customer support as needed

Red Hat

Thank You

linkedin.com/company/red-hat

youtube.com/user/RedHatVideos

facebook.com/redhatinc

twitter.com/RedHat

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