Ansible

Automation track

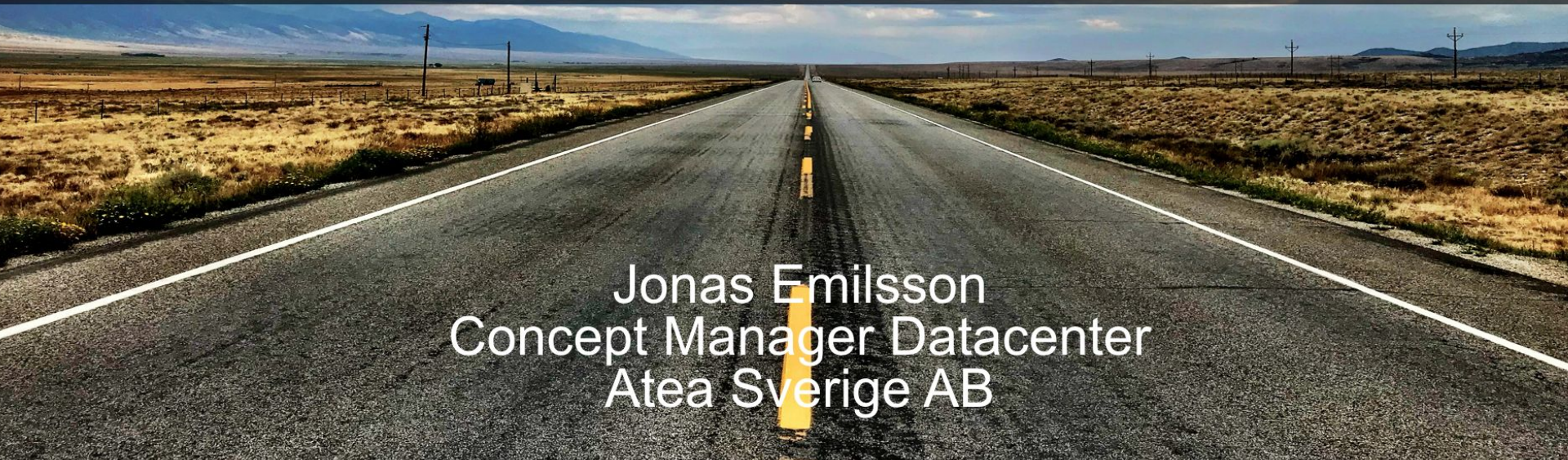
```
tasks:
  - name: make sure it's going to be a great day!
    ansible_track:
      name: "{{ item }}"
      state: present
      role: Help people who raise hands
      solution: Ansible by Red Hat
    With_items:
      - Peter Gustafsson, Solutions Architect, Red Hat
      - Magnus Glantz, Solutions Architect, Red Hat
      - Johan Odell, Solutions Architect, Red Hat
      - Johan Robinson, Storage SSA, Red Hat
      - Johnny Westerlund, Solutions Architect, Red Hat
      - Ilkka Tengvall, Solutions Architect, Red Hat
      - Teemu Uotila, Solutions Architect, Red Hat
      - Stefan Jansson, Lösningsarkitekt, Atea
      - Lasse Lahaanen, Senior Konsult, Atea
      - Anders Wåhlin, Konsultchef, Atea
      - Jonas Emilsson, Konceptutvecklingschef, Atea
```

What will happen today!

10:15 - 10:20, Welcome
10:20 - 10:50, Automation of the Datacenter
10:50 - 12:00, Ansible hands-on labs
12:00 - 13:00, Lunch
13:00 - 14:30, Ansible hands-on labs
14:30 - 14:45, Coffee break
14:45 - 16:20, Ansible hands-on labs
16:00 - 16:30, Award ceremony & wrapping up
16:30 -> Drinks

Automation of the Datacenter

Long term strategy or short term sensation?



Jonas Emilsson
Concept Manager Datacenter
Atea Sverige AB

The freedom of being unique

ATOMIC

Does uniformity beat freedom?

Does uniformity beat freedom?

DATACENTER AUTOMATION

Are you ready? Things are changing now!

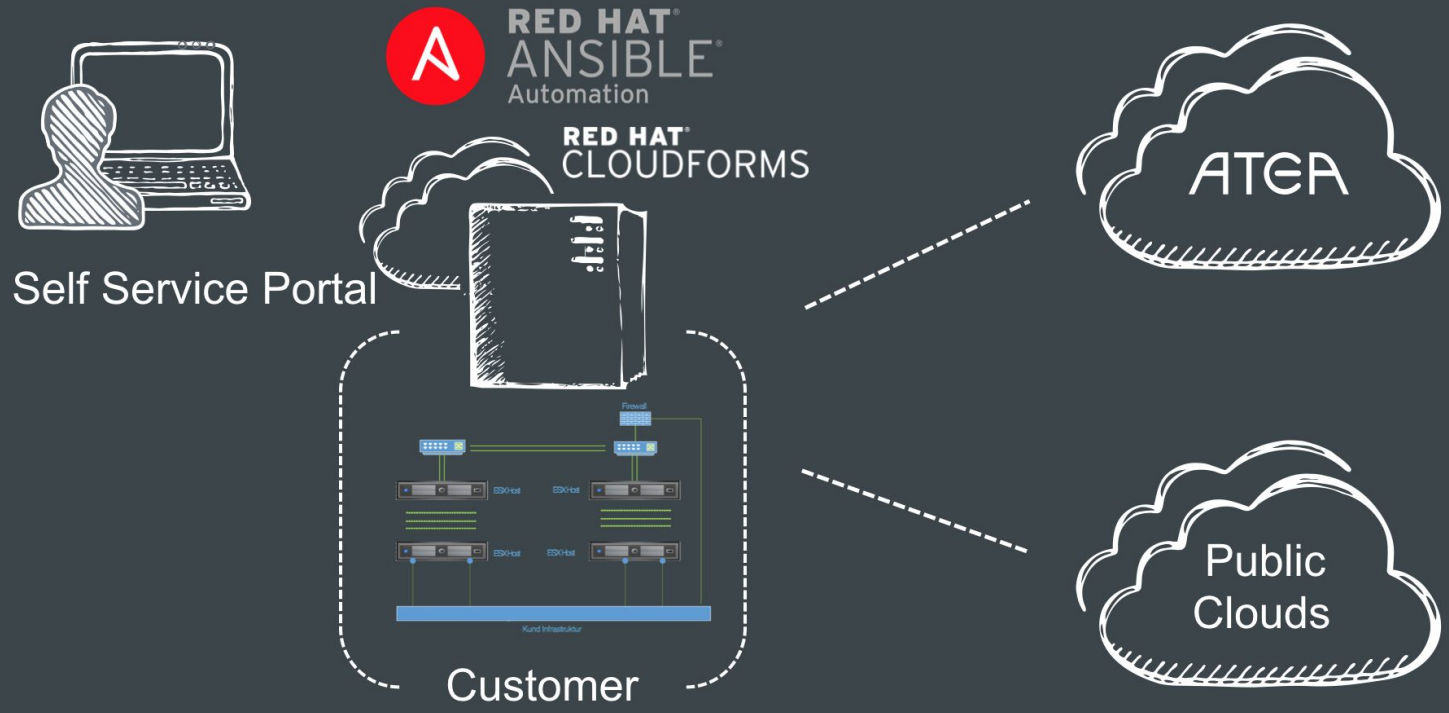
Historical obstacles for automation in the Datacenter

- People and organizational structures
- Vendor verticalization and lock in
- Adoption of the cloud and holistic management tools

ATEA

Where is the market now and in 12 months?

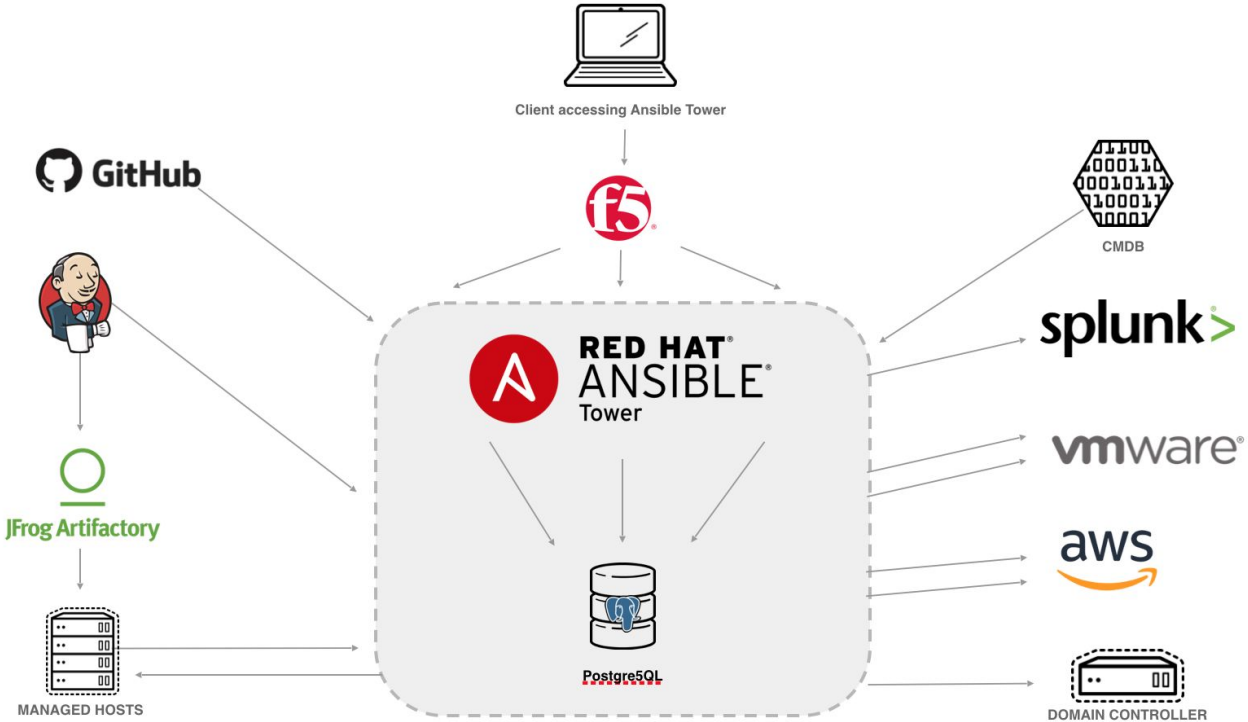
Digital Services – The power of the Service Catalogue



ATEA

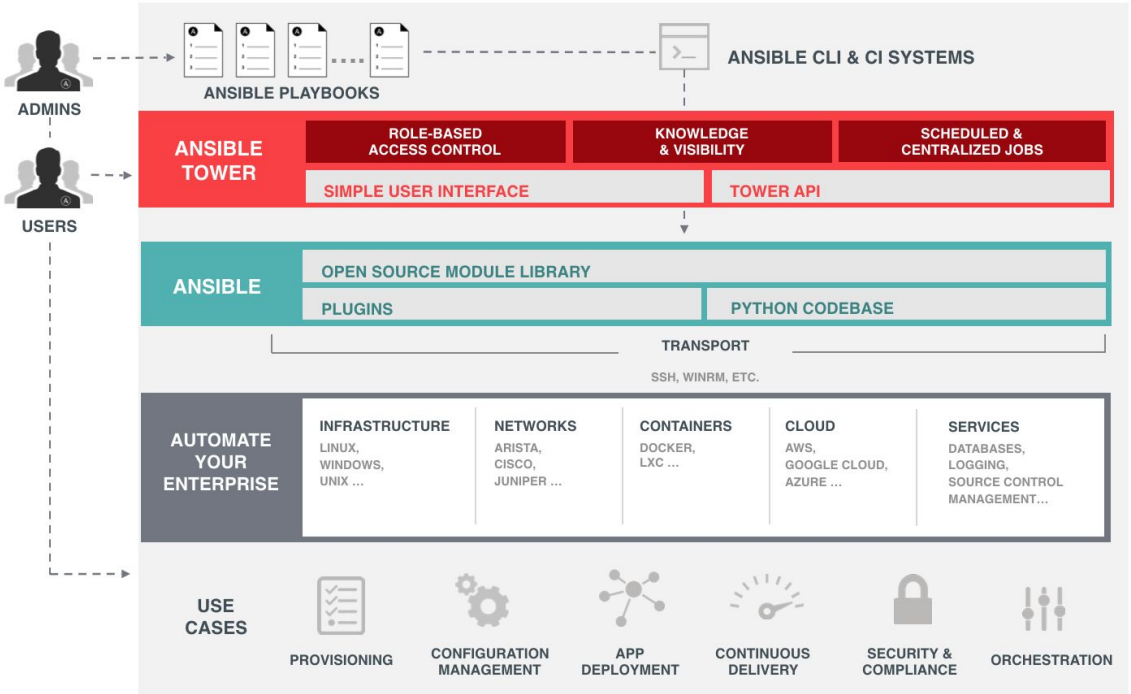
Which market can gain the most?

The Power of Diversity



ATEA

The true face of Automation



Where in the datacenter do you start your journey?

On Premise	Infrastructure	Platform	Software
Applications	Applications	Applications	Applications
Data	Data	Data	Data
Runtime	Runtime	Runtime	Runtime
Application Servers	Application Servers	Application Servers	Application Servers
Operating System	Operating System	Operating System	Operating System
Virtualization	Virtualization	Virtualization	Virtualization
Servers	Servers	Servers	Servers
Storage	Storage	Storage	Storage
Network	Network	Network	Network
On Premise Infrastructure	IaaS	PaaS	SaaS

Top goals when investing in Automation & Self service

Common Security model (federation)

Common maintenance and governance

Common administration (On-Premise/Hybrid Cloud)

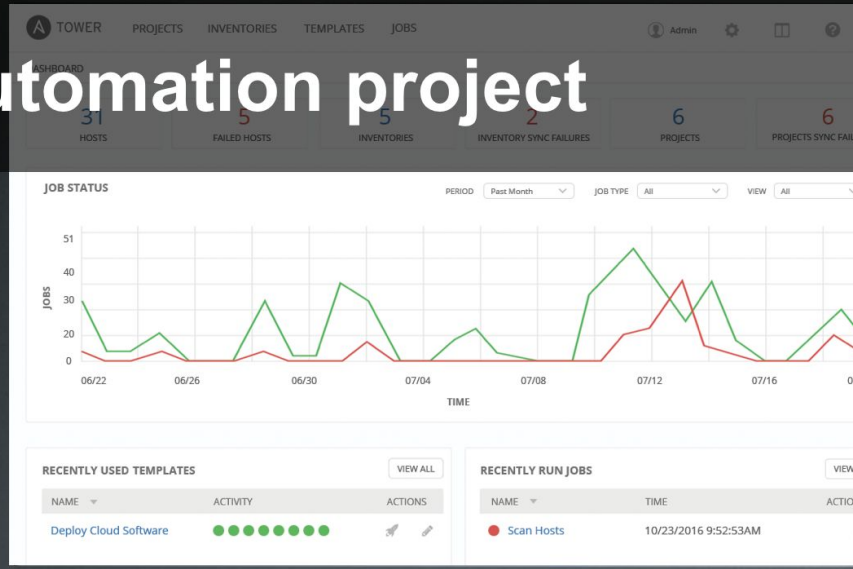
Transparent operation of virtual servers (vendor & platform independence)

Seamless networking (ease of use)

ATEA

How to drive a successful Automation project

- ✓ Identify tasks that is repetitive and recurring
- ✓ Involve your business and identify where the need is greatest
- ✓ Build a Service Catalogue that holds the services which needs automation
- ✓ Consider creating a Self Service Portal for ease of use
- ✓ Limit the project to a few selected services at first
- ✓ Use the momentum of the Open Source Community



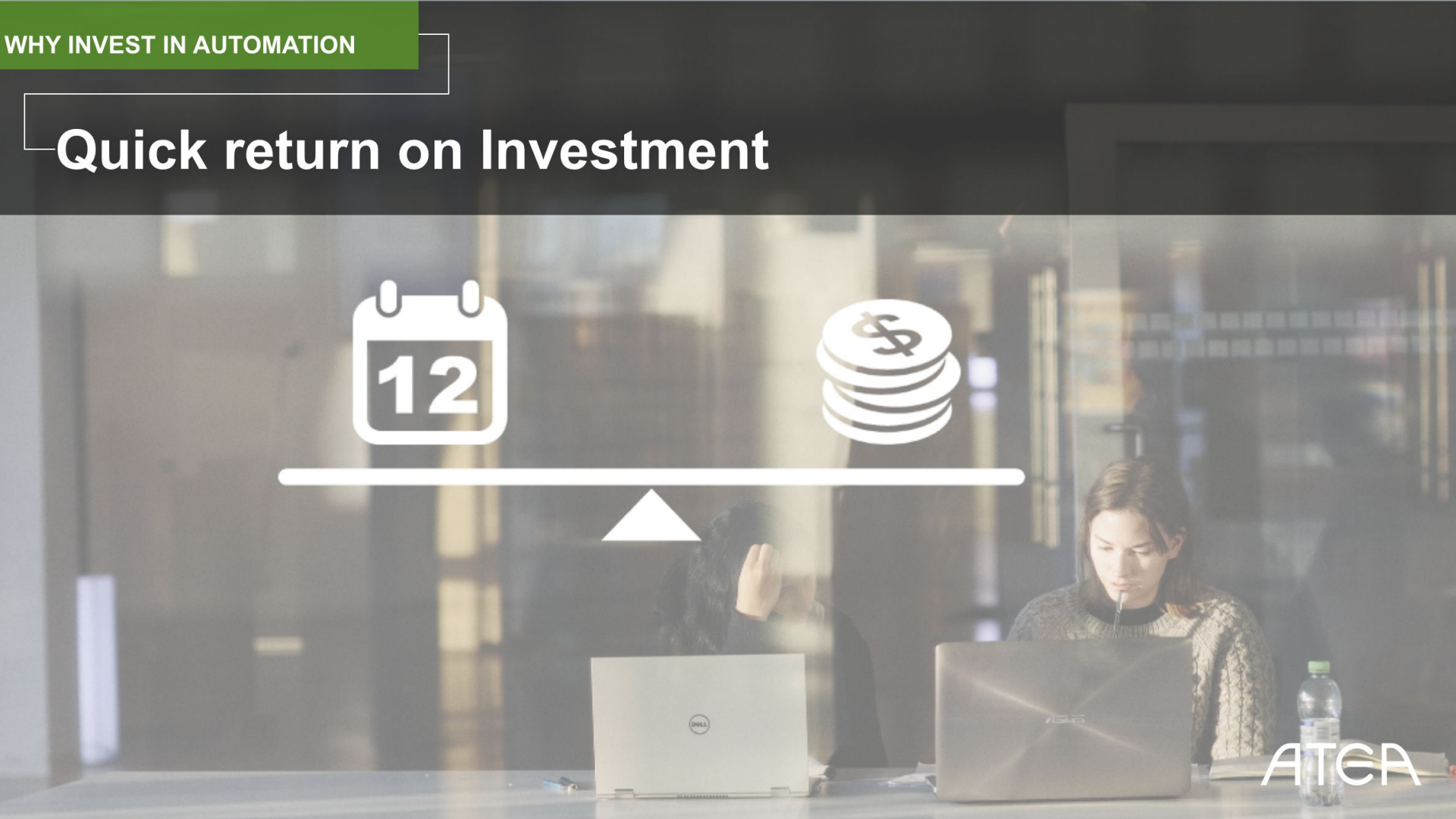
Efficiency in real numbers

30 days

5 min

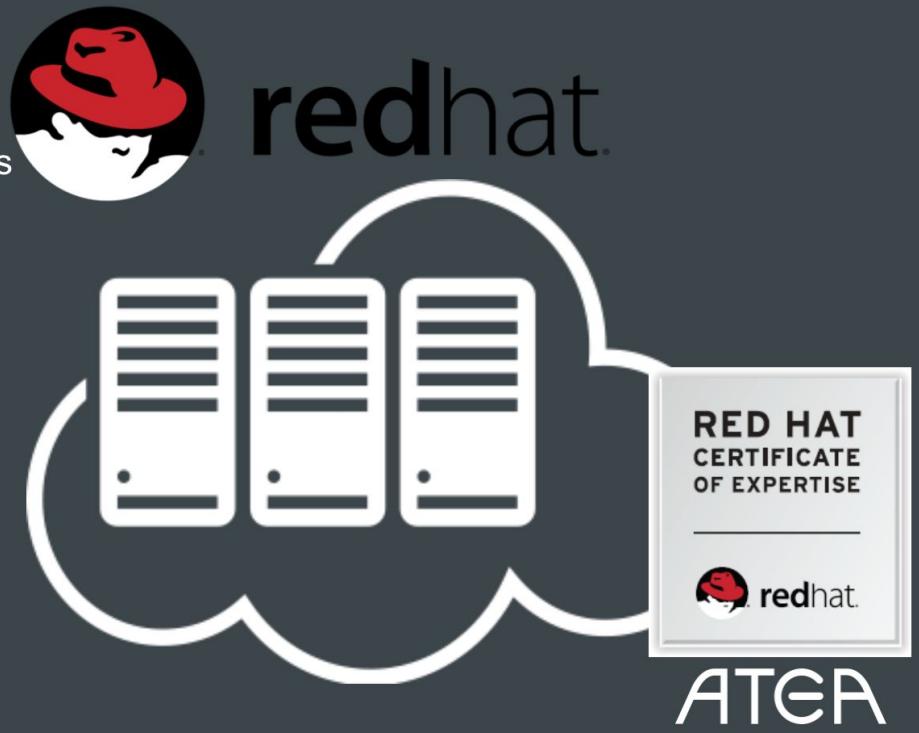
ATEA

Quick return on Investment



Our commitment to Automation and Open Source

- ✓ Highest partner level (Premier) with Red Hat
- ✓ Numerous certified consultants in Cloud Management as well as RHEL and Open Hybrid Cloud
- ✓ Both Solution and Service Provider
- ✓ Mutual strategic R&D initiatives
- ✓ NEW: Certified Red Hat Test Center (Gothenburg)

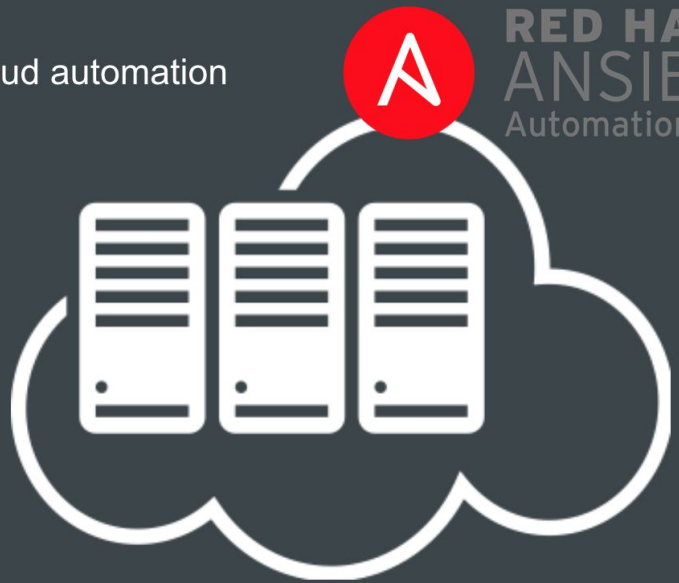


Ansible and Cloud Forms

- ✓ Strategic focus for Atea
- ✓ Joint service development
- ✓ Joint software development for specific cloud automation features

RED HAT® CLOUDFORMS

RED HAT® ANSIBLE® Automation



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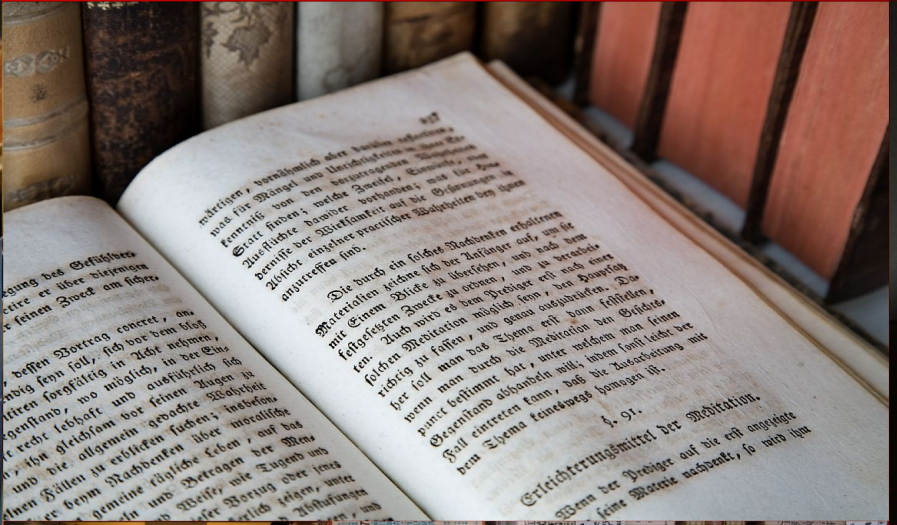
THE FUTURE IS SOFTWARE DEFINED AND THE DATACENTER IS CONTROLLED BY SOFTWARE
ATEA

Your world



Erleichterungsmittel der Meditation.

§. 91.

Wenn der Prediger auf die erst angezeigte Art meditiret, so wird ihm

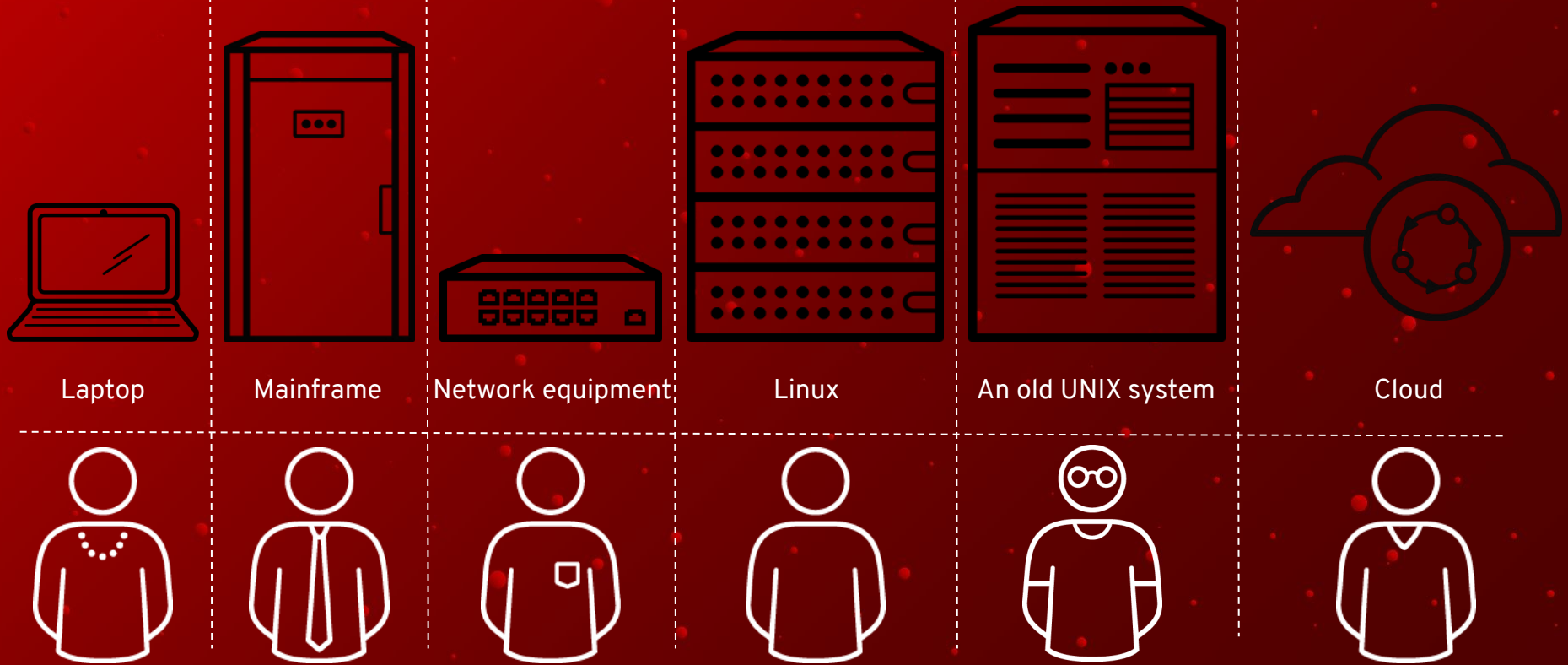
What do you need to automate today?

Laptop Mainframe Network equipment Linux An old UNIX system Cloud

What do you need to learn today?

Laptop	Mainframe	Network equipment	Linux	An old UNIX system	Cloud
System A Language Z	System B Language Y	System C Language X	System D Language W	System E Language V	System F Language U

Who do you need to hire today?



Whom do you need to collaborate with today?

What do you need to learn today?

Laptop Mainframe Network equipment Linux An old UNIX system Cloud

What do you need to learn today?

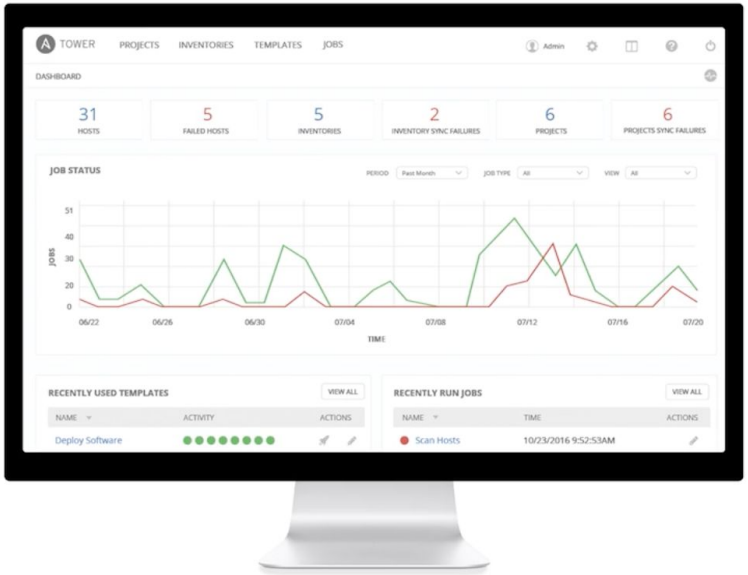
Laptop | Mainframe | Network equipment | Linux | An old UNIX system | Cloud

WHAT IS ANSIBLE?

It's a **simple automation language** that can perfectly describe an IT application infrastructure in Ansible Playbooks.

It's an **automation engine** that runs Ansible Playbooks.

Ansible Tower by Red Hat is an **enterprise framework** for controlling, securing and managing your Ansible automation with a **UI and restful API.**



SIMPLE

Human readable automation

No special coding skills needed

Tasks executed in order

Get productive quickly

POWERFUL

App deployment

Configuration management

Workflow orchestration

Orchestrate the app lifecycle

AGENTLESS

Agentless architecture

Uses OpenSSH & WinRM

No agents to exploit or update

More efficient & more secure

WHAT CAN I USE ANSIBLE TO DO?

CONFIG MANAGEMENT

APP DEPLOYMENT

PROVISIONING

CONTINUOUS DELIVERY

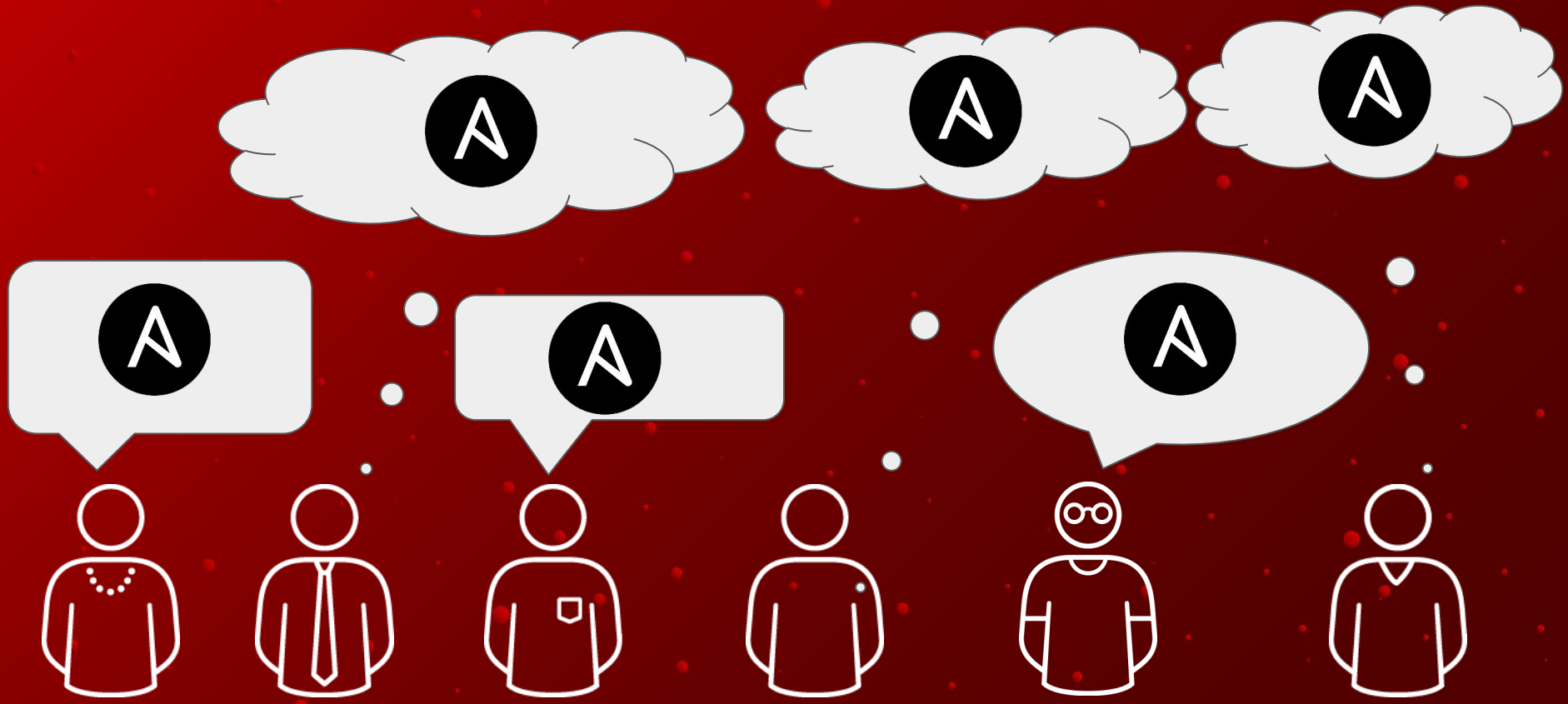
SECURITY & COMPLIANCE

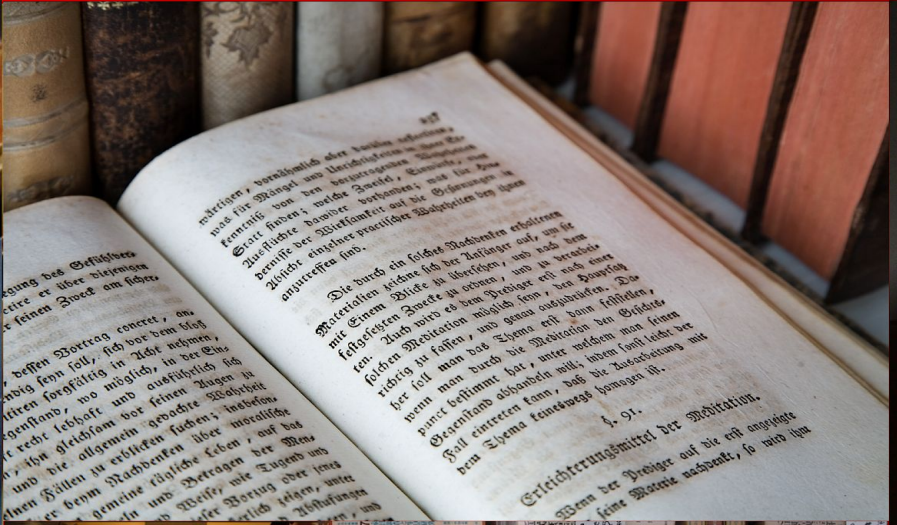
ORCHESTRATION

What do you need to learn today?

Laptop | Mainframe | Network equipment | Linux | An old UNIX system | Cloud

Whom do you need to collaborate with today?



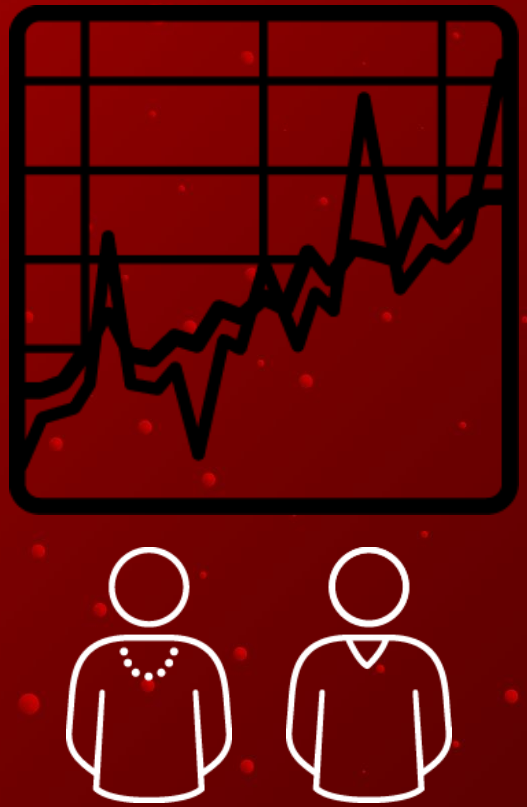


Erleichterungsmittel der Meditation.

§. 91.

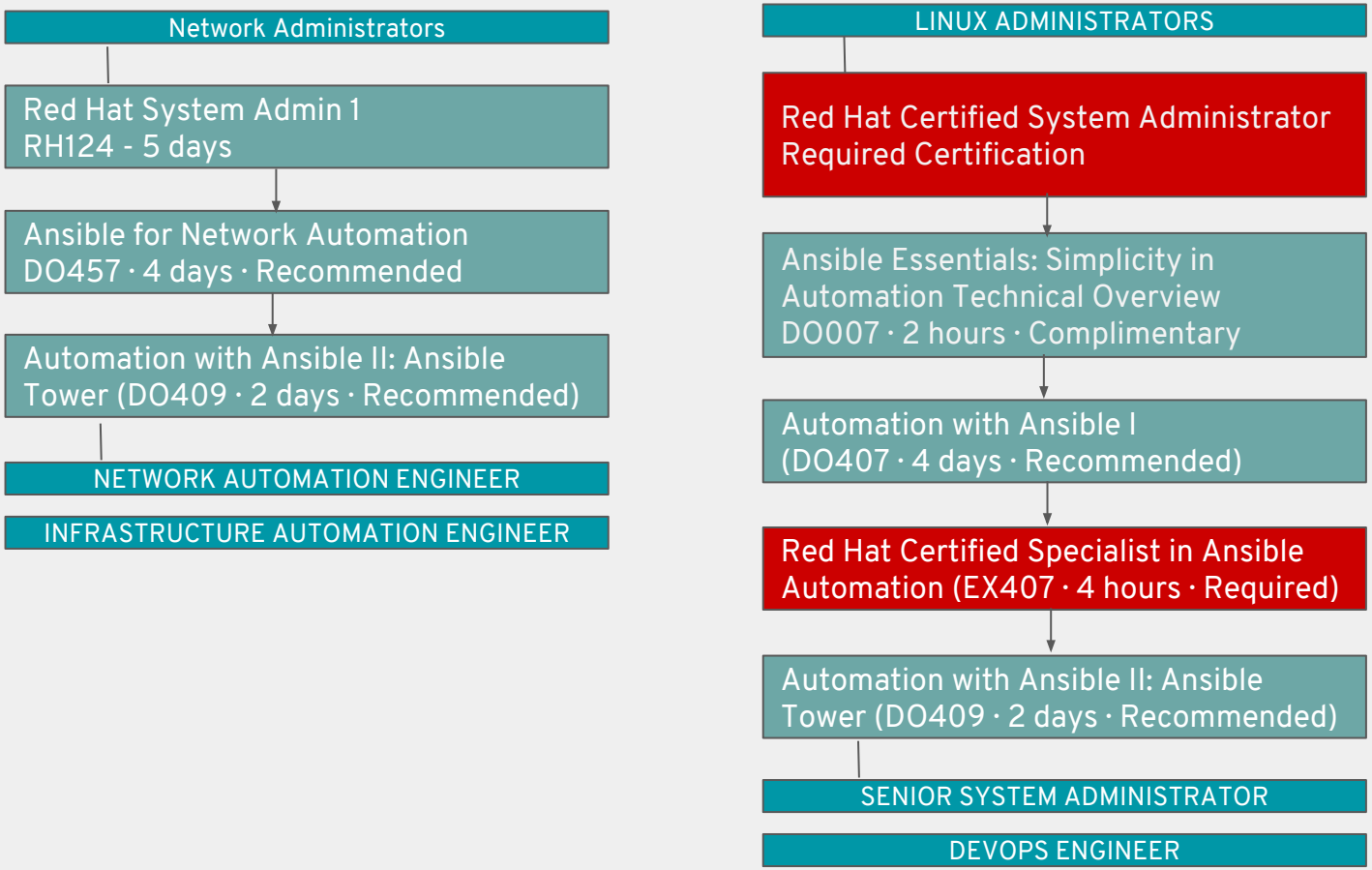
Wenn der Prediger auf die erst angezeigte Art meditiret, so wird ihm

Form an automation strategy which scales



Your worlds

Ansible Curriculum



What you need to know before getting started

Wi-Fi: SID: redhatforum2018 Password: redhat18

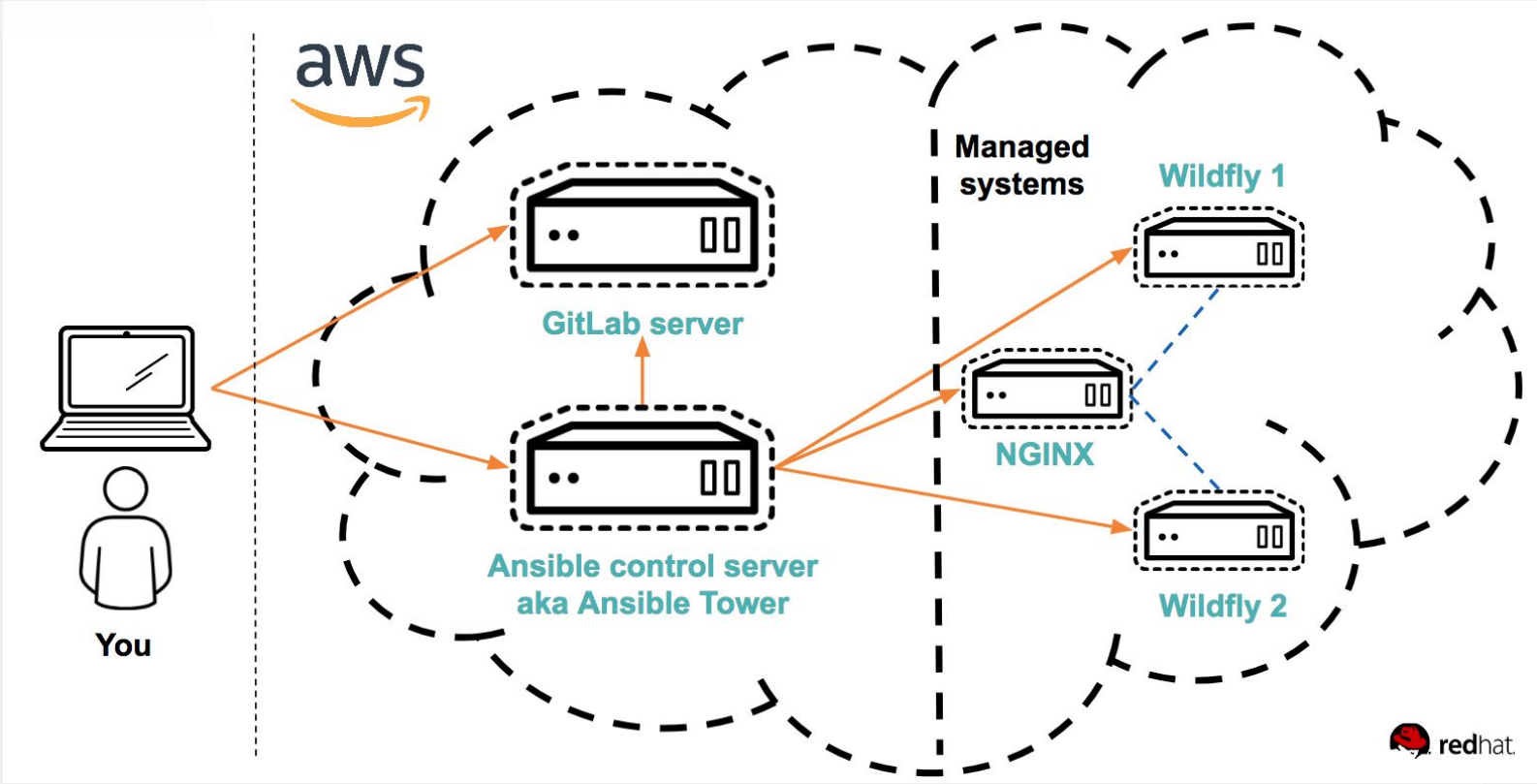
Your systems and credentials http://bit.ly/rhforum_se search for your student ID (*studentX*) that you received on the paper slip handed out on the entrance.

The lab: https://github.com/mglantz/ansible-roadshow

Raise your hand if you need help - someone will come and help you.

You are admin on your systems - if you do something outside of the labs and break them, the pieces are yours to keep.

The lab environment




redhat.


You
Tube