

Ansible? Come on...

Wie soll mir das bei der Middleware
Automatisierung helfen?

Middleware as first-class citizen in Ansible

Vom Ansible für Middleware Team

Erstmal: Was ist eigentlich Middleware?

Klempnerarbeit :)



- Common services and adding capabilities to applications (bis auf alles, was mit dem Betriebssystem zusammenhängt).
- Datenmanagement, Application-Services, Messaging, Authentifizierung und API-Management können über Middleware verwaltet werden
- Middleware hilft Entwicklern, Anwendungen schnell(er) zu bauen
- Middleware ist das verbindende Element zwischen Applications, Daten und User

One Too Many Zeros: The Cost of Human Error

Trends in der Industrie

Cloud automation is the key to getting infrastructure provisioning right

Automation & Cloud

Latest News

Published: August 27th, 2020 – Christina Cardoza

Self-service and cloud automation are essential to DevOps or digital transformations. Organizations are



UPDATED 10:12 EDT / SEPTEMBER 11 2020

Why GitOps Is Becoming Important For Developers

26/08/2020



Meet GitOps, the key to launching effective software releases in the cloud-native era



ANALYSIS BY JASON BLOOMBERG

In welche Richtung führt der Weg?

- Infrastructure as Code
- Keine manuellen Änderungen
- Wiederholbar
- Skalierbarkeit

Ansible to the Rescue!

Warum Middleware und Ansible einander brauchen



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Middleware braucht Ansible:

- **um den gesamte Lebenszyklus einer Anwendung zu automatisieren**
- um vorhandene veraltete oder nicht mehr unterstützte Tools zu ersetzen (JON).
- da sich aktuelle Tools auf den Applikations-Betrieb in Containern fokussieren.
- um manuelle Prozesse zu automatisieren und schwer zu pflegende Scripts zu vereinfachen

Ansible braucht Middleware:

- Middleware-Applikationen betreffen das Business direkt und sind häufig geschäftskritisch!

**Andrew Block**

Distinguished Architect
Red Hat

- Delivers solutions for customers on container and cloud technologies
- Open Source evangelist
- "Old School" Enterprise Java Developer

**Romain Pelisse**

Senior Software Engineer
Red Hat

- Java and JBoss developer since 2005
- Open Source enthusiast
- Linux and Bash lover
- Use PuppetAnsible since 20112016

**Guido Grazioli**

Senior Software Engineer
Red Hat

- JWS team, EAP team, etc

**Roel Hodzelmans**

Principal Solution Architect
Red Hat

- Java and JBoss user since 2005
- Red Hat Principal Solution Architect from 2012 to 2021
- Red Hat Associate Manager AppDev EMEA from 1st of Oct 2021
- Speaker, author, advisor

**Harsha Cherukuri**

Senior Software Engineer
Red Hat

- Java developer since 2012.
- Using Ansible since 2017.
- Interested in Artificial Intelligence, Cloud Computing, Cryptography and Information Security.

**Carlo de Wolf**

Senior Engineering Manager
Red Hat

- Original JBoss
- EAP Engineering Manager

Welche Produkte werden unterstützt?

Was ist schon da?

The box contains the following items:

- Infinispan
- KEYCLOAK
- WildFly
- Red Hat JBoss Data Grid
- Red Hat Single Sign-On
- Red Hat JBoss Enterprise Application Platform
- Red Hat JBoss Web Server

At the top right is a screenshot of the Red Hat JBoss Enterprise Application Platform 7.2.3 Common Criteria Configuration Guide page.

Was kommt als nächstes?

The box contains the following items:

- +
- JBoss Drools
- Red Hat Process Automation

Demo Time!!!

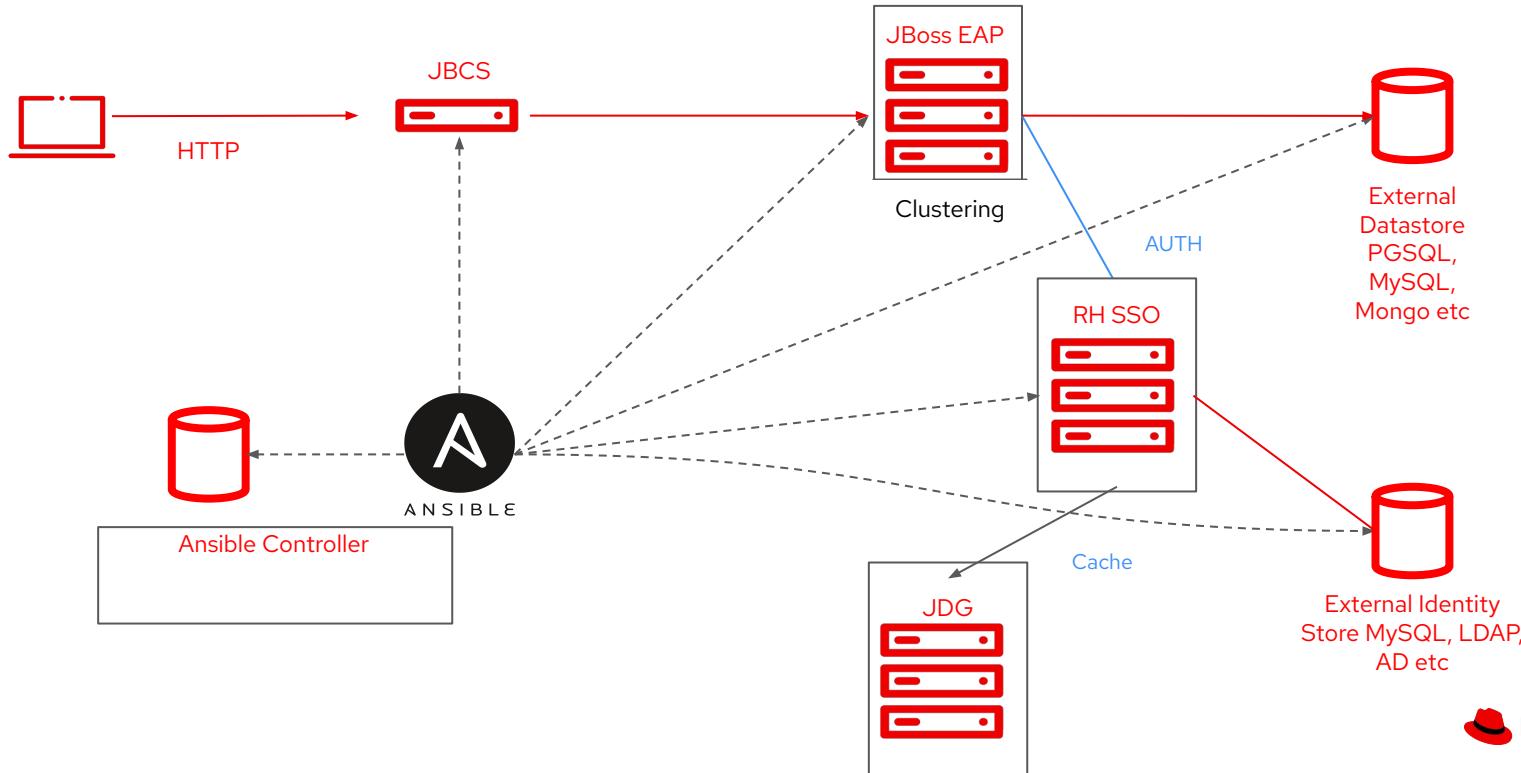
Let us show you how Ansible can take care of Red Hat Middleware...



[Trademarked by Yukanov Konstantin](#)

Full Demo

Setup for the demo

Github: [3trains](#)

Gerade Kaffee geholt...? Okay, nochmal. ;)

Automation ist für alle, nicht nur für Container, Kubernetes & Clouds!



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- Man **kann mit Ansible Middleware Workloads automatisieren!**
- Mit Ansible schon **heute** selbstständig **skalierende** Applikationen managen, nicht irgendwann in der Zukunft, wenn endlich alles in Containern läuft!
- Bringt die Vorteile von Ansible in die Middleware-Landschaft: Einfach, **nachhaltig**, zuverlässig!
- Vertraue nicht mir... vertraue **Red Hat**.

JON End-of-Life: Red Hat Guidance

Was empfiehlt Red Hat?

The screenshot shows the Red Hat Customer Portal homepage. At the top, there's a navigation bar with links for Products & Services, Tools, Security, and Community. Below the navigation, a breadcrumb trail shows 'Products & Services > Knowledgebase > Red Hat JBoss Operations Network has reached the end of its product life cycle'. The main content area displays a message: 'Red Hat JBoss Operations Network has reached the end of its product life cycle' with a timestamp 'Updated September 28 2020'. A red box highlights the title of the article.

Red Hat JBoss Operations Network has reached the end of its product life cycle

Updated September 28 2020

Red Hat JBoss Operations Network will no longer receive updates or support starting in November 2019, at which point it will be discontinued. Red Hat will provide migration support to help customers continue to proactively evaluate options to move to a replacement solution.

What are my options?
JBoss ON will not be replaced by another dedicated middleware monitoring and management solution. Red Hat has a number of configuration management and monitoring technologies in the larger portfolio, and customers may be able to move to those solutions without additional cost if they have entitlements in place.

Red Hat Ansible and Red Hat Ansible Tower provide a platform for consistent deployment and configuration management across your enterprise, and **Ansible Galaxy** has numerous playbooks for Red Hat Middleware that can replace the configuration management capabilities and content and bundle provisioning capabilities of JBoss ON, many created by Red Hat Consultants. Contact your account team or **Red Hat Services** to get started with Ansible.

Red Hat Middleware has invested in delivering superior application platforms in **Red Hat OpenShift** for several years. All current Red Hat Middleware products are available in OpenShift. OpenShift eliminates traditional configuration management as supported by JBoss ON and replaces it with immutable deployments and configurations defined at build/deployment time. Widely adopted monitoring technologies for metric collection and logging are available in OpenShift, and can provide flexible monitoring capabilities for your applications.

Red Hat Partners provide alternative configuration management or monitoring solutions that you can acquire or may already have in use, and can adapt to provide insight or control of your Red Hat Middleware deployments. The **Red Hat Business Partner finder** can identify partners you can contact for assistance.

Product(s) Red Hat JBoss Operations Network

Tags bundle, configuration, deploy

Red Hat logo

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• Ansible & Ansible Tower Automation Platform/Controller

We think it's great advice :)

<https://access.redhat.com/solutions/3546861>

The screenshot shows the Red Hat footer navigation bar. It includes links for Contact Us, Trust Red Hat, Red Hat Subscription Value, and About Red Hat. There are also links for Downloads, Subscriptions, Customer Portal FAQ, Browser Support Policy, openshift.com, and About Red Hat.

Ansible Middleware Resources

Ansible Content:

- [Ansible Collection for Wildfly / EAP \(Github\)](#):
- [Ansible Collection Java Web Server / Tomcat \(Github\)](#)
- [The demo code \(Github\)](#)

Blogs:

- [Why do you need Ansible to manager your Middlewares runtimes](#)
- [WildFly server configuration with Ansible collection for JCliff](#)
- [Automate Red Hat JBoss Web Server deployments with Ansible](#)
- [Set up mod_cluster for Red Hat JBoss Web Server with Ansible](#)

Thank you

Red Hat is the world's leading provider of enterprise open source software solutions.

Award-winning support, training, and consulting services make

Red Hat a trusted adviser to the Fortune 500.



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