

# OpenShift 4.x Architecture Workshop for IBM Architects

Welcome and Intro

Sept 2019



**Red Hat**



**Red Hat**

## About Me

Alfred Bach  
Technical Partner Enablement Manager

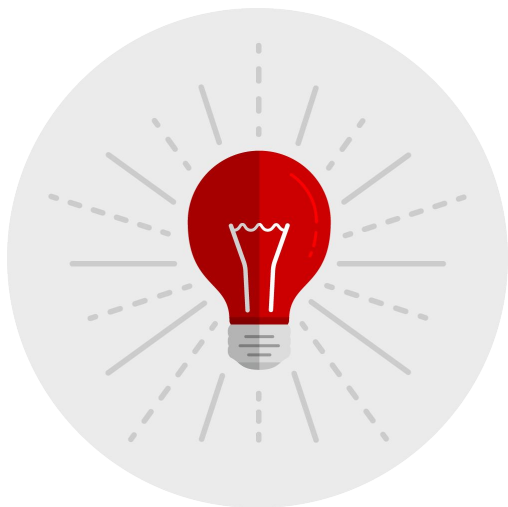
Living in Austria near by Vienna

4 Years with Red Hat  
Coming from CA and SUSE

[abach@redhat.com](mailto:abach@redhat.com)



About you ?



# Agenda Day 1

Welcome, Intro

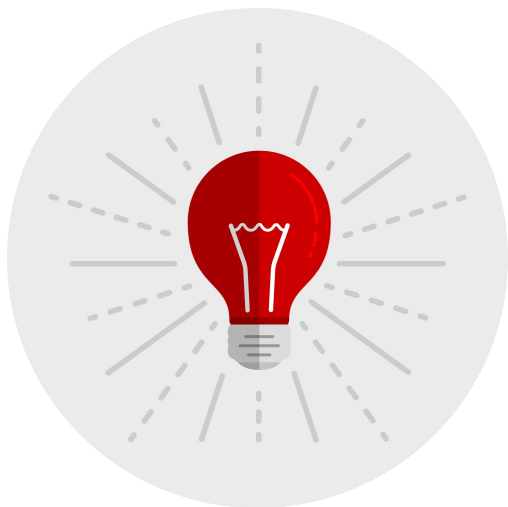
Red Hat and OpenSource

OpenShift - the platform for great ideas

Break

OpenShift Architecture (OCP 3.11 / 4.x and differences to ICP)

End Day One



## Agenda Day 2

CoreOS and OpenShift 4.x

Moving on from Docker. The new container framework

HandsOn "Build a Container with Buildah"

Break

Live Demo

HandsOn OpenShift 4.x „Build an App with OpenShift“

Lunch Break

OpenShift Platform Installation (3.11 and 4.x)

Break

Istio Service Mesh

Container Native Virtualisation

Modern Registry Management (QUAY)

API Management (3Scale)

End of Day Two

## Agenda Day 3



Running Containerised Workloads on  
OpenShift (IBM CloudPak, MS, ...)

Break

Roadmap what's new, what's coming

Lunch Break

How to stay up to date and deliver this  
workshop locally

(open discussion)

End of Day 3

# Company Overview

# THE WORLD'S LEADING PROVIDER OF OPEN SOURCE, ENTERPRISE I.T. SOLUTIONS

MORE THAN  
**90%**  
of the  
**FORTUNE  
500**  
use  
**RED HAT**  
PRODUCTS &  
SOLUTIONS\*

**~12,000**  
EMPLOYEES

S&P  
**500**  
LIST

THE FIRST  
**\$2  
BILLION**

**95**  
OFFICES

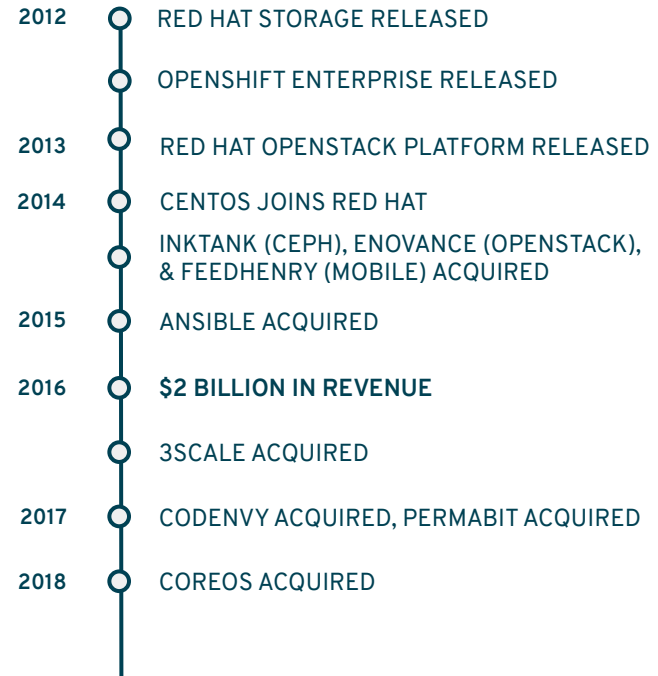
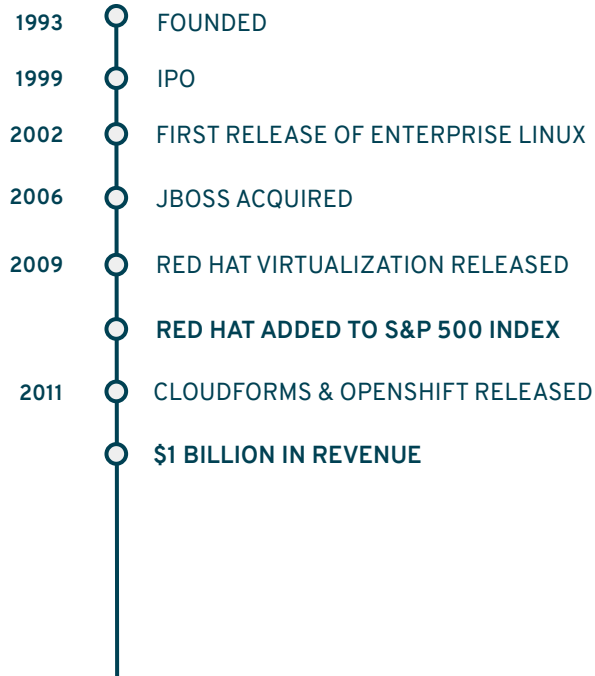
**35**  
COUNTRIES

NYSE  
**LIST**

**OPEN  
SOURCE  
COMPANY**  
IN THE WORLD

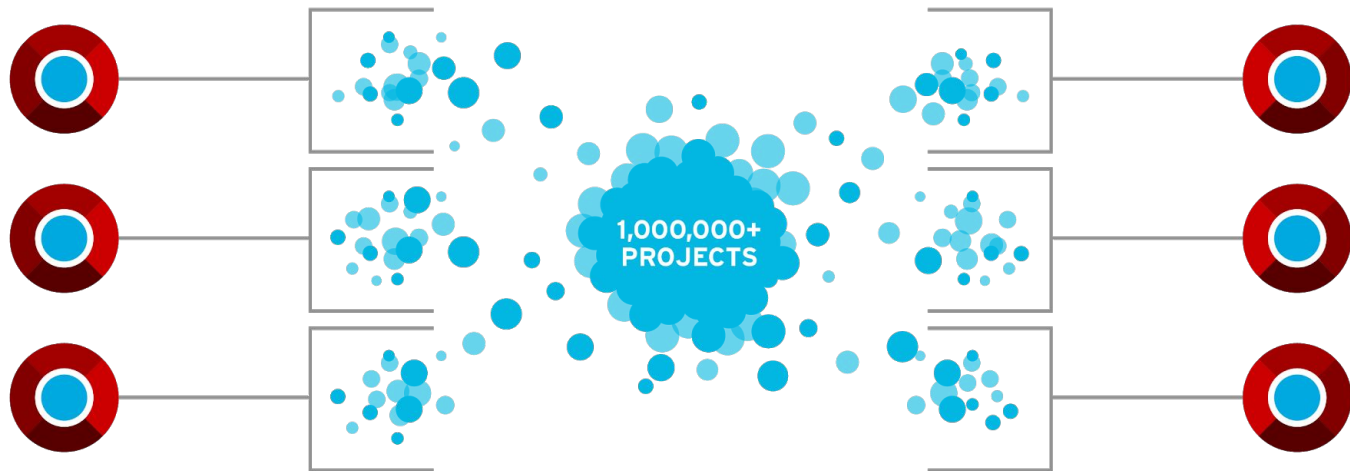


# HOW WE GOT HERE



# OpenSource

# PRODUCT DEVELOPMENT MODEL



## PARTICIPATE

We participate in and create community-powered upstream projects.

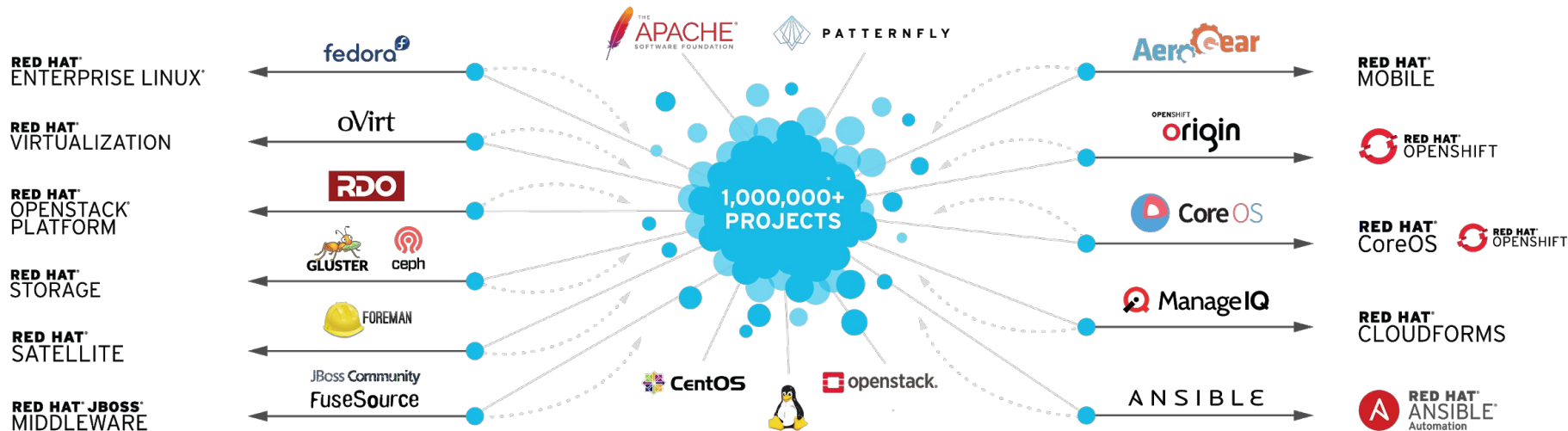
## INTEGRATE

We integrate upstream projects, fostering open community platforms.

## STABILIZE

We commercialize these platforms together with a rich ecosystem of services and certifications.

# FROM COMMUNITIES TO ENTERPRISE



We take this massive innovation happening in open communities and deliver it in a **safe, secure, reliable** way so enterprises can consume it in their traditional infrastructure.

JIM WHITEHURST

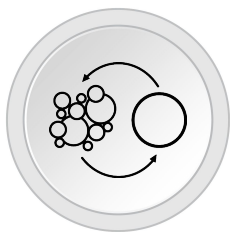
President & CEO, Red  
Hat



# The value of subscriptions

# A RED HAT SUBSCRIPTION

DELIVERS CONTINUOUS VALUE EVERY DAY



CUSTOMER PORTAL



KNOWLEDGE



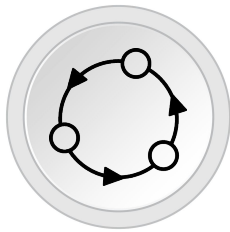
SECURITY



CERTIFICATIONS



SUPPORT



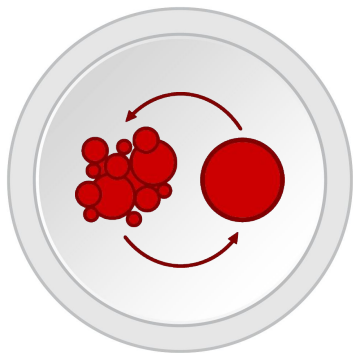
LIFE CYCLE



ASSURANCE

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# RED HAT CUSTOMER PORTAL



The Year's Ten Best  
Web Support Sites

Your one place for subscription resources—from product documentation and upgrades to intelligent tools, security updates, and technical support.



**PRODUCT  
DOCUMENTATION**



**TOOLS AND  
SOLUTIONS**



**SECURITY  
UPDATES**



**SUPPORT  
SERVICES**



**SUBSCRIPTION  
MANAGEMENT**

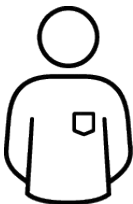
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# KNOWLEDGEBASE

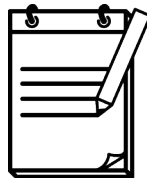


We've published thousands of solutions in our community-driven knowledgebase so you can learn from others, resolve issues yourself, and proactively manage your systems.



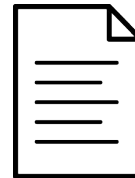
## EXPERTISE

Red Hat Certified Engineers



## EXPERIENCE

1,000,000+ resolved issues



## GUIDANCE

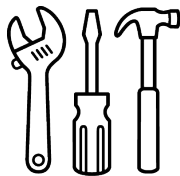
60,000+ technical solutions

[access.redhat.com/search/#/knowledgebase](https://access.redhat.com/search/#/knowledgebase)

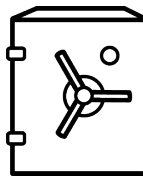
# PRODUCT SECURITY



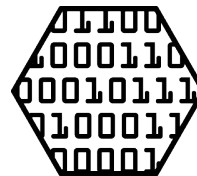
Red Hat's stable code is backed by a dedicated team of engineers who monitor, identify, and address risks to protect you and your customers' data from meaningful security concerns.



**SECURITY TOOLS**



**VULNERABILITY  
RESPONSES**



**CVE DATABASE**

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# SUPPORT

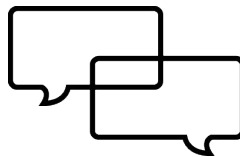


If you need to open a support case, it will be routed to a product specialist. Resolutions enable future updates to our products, making you an active participant in improving open source technology.



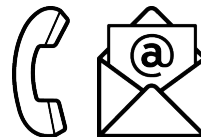
## SUPPORT CASES

Get answers quickly



## LIVE CHAT

With support engineers



## CALL OR EMAIL

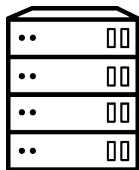
With a support expert

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# CERTIFICATIONS



Red Hat® engineers collaborate with a large ecosystem of partners to ensure your third-party solutions are tested, supported, and certified to perform with Red Hat technologies.



**CERTIFIED  
HARDWARE**



**CERTIFIED  
SOFTWARE**



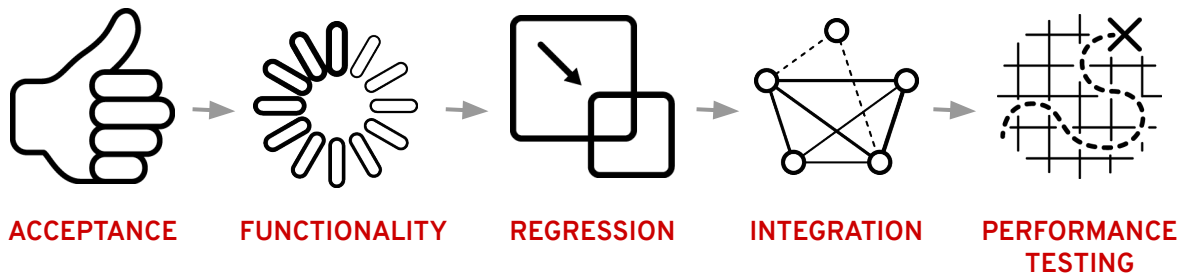
**CERTIFIED  
CLOUD PROVIDERS**

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# ASSURANCES

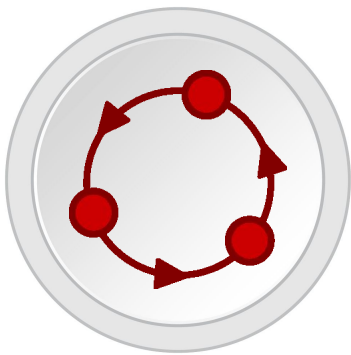


Red Hat's Quality Assurance team works closely with our product development teams and provides the final engineering check before our open source products are released to customers and partners.



[red.ht/open-source-assurance-agreement](https://red.ht/open-source-assurance-agreement)

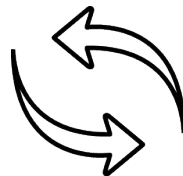
# LIFE CYCLE



Red Hat subscriptions are not tied to a specific version, but cover the entire life cycle of the product. Our longer life cycles mean more choice, flexibility, and ease of planning.



**NO LOCK IN**



**FLEXIBILITY**



**REDUCED COSTS**

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# THE VALUE OF A RED HAT SUBSCRIPTION

ACCESS TO & ADVOCACY FOR THE THINGS YOU NEED

## ACCESS

Open source enterprise software

Emerging open source technologies

10+ years supported life cycle

Support & expertise

**Security resources**

## ADVOCACY

Visibility & influence over  
Red Hat® Enterprise Linux® roadmap

Open source community leadership

Hardware, software, &  
cloud provider partnership

**Security needs**

Thank you !