

# OpenShift 4.x Architecture Workshop

Welcome and Intro

July 2019

## About Me

Alfred Bach  
Technical Partner Enablement Manager

Living in Austria near by Vienna

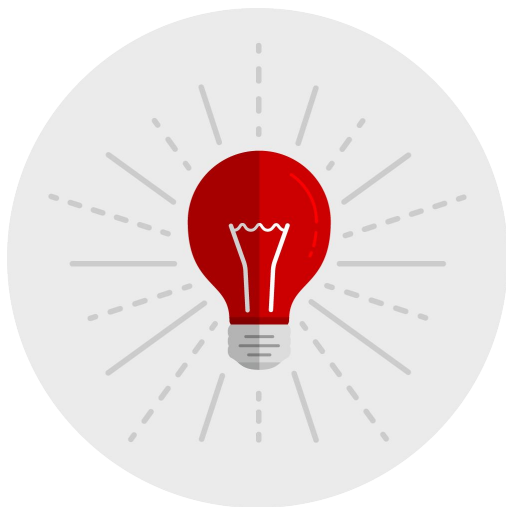
4 Years with Red Hat  
Coming from CA and SUSE

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



About you ?

# Agenda Day 1



Welcome and Intro

OpenShift the Platform for Big Ideas

OpenShift 4 Architecture

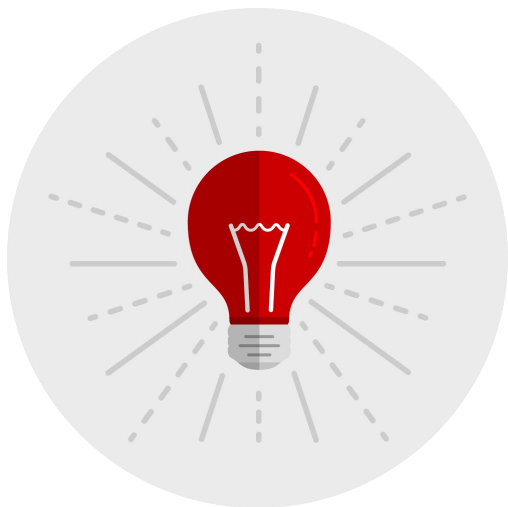
LUNCHBREAK (12:30 - 13:30)

CoreOS, OpenShift 4.x, CRY-O

HandsOn Training

End Day 1 (17:00)

## Agenda Day 2



Recap day one

ISTIO Service Mesh

CNV and API Management

QUAY and Kafka

LUNCHBREAK (12:30 - 13:30)

Container Security

Next Steps Q&A and Closing

End day 2 (16:00)

# 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

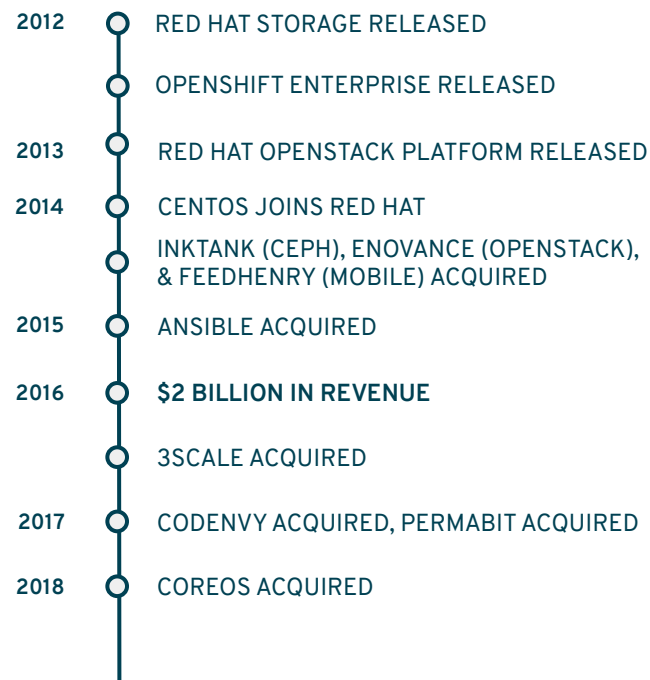
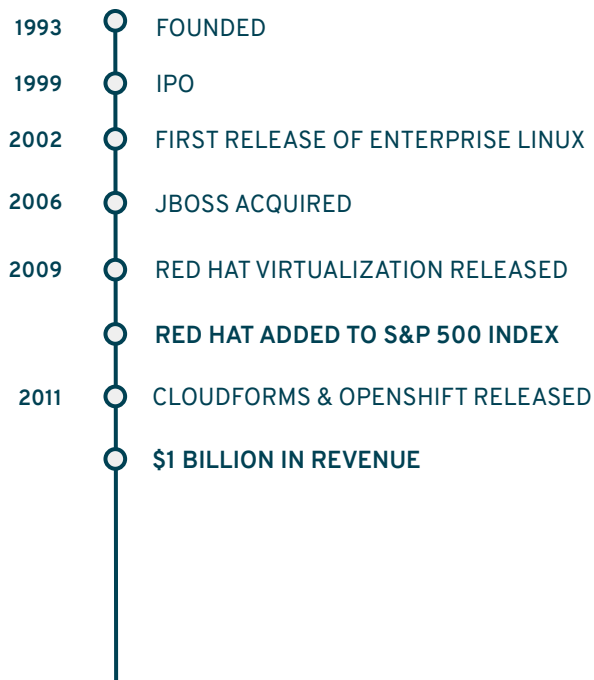
S&P  
**500**  
COMPANY

THE FIRST  
**\$2**  
**BILLION**  
**OPEN**  
**SOURCE**  
**COMPANY**  
IN THE WORLD

**95**      **35**  
OFFICES      COUNTRIES

NYSE  
**RHT**

# HOW WE GOT HERE

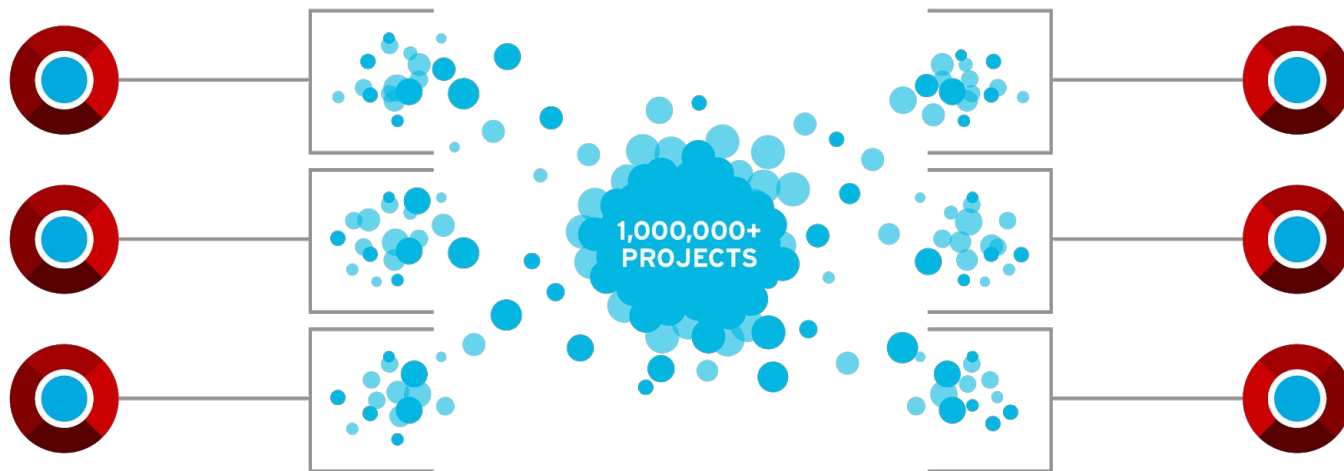




# OpenSource

# PRODUCT DEVELOPMENT MODEL

CONFIDENTIAL Designator



## PARTICIPATE

We participate in and create community-powered upstream projects.

## INTEGRATE

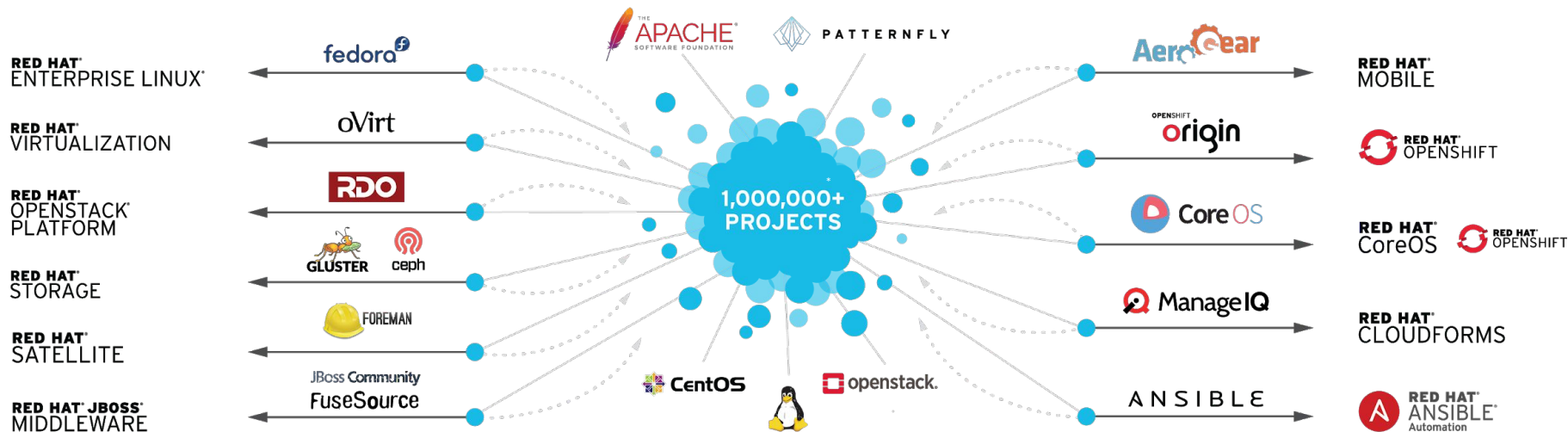
We integrate upstream projects, fostering open community platforms.

## STABILIZE

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

# FROM COMMUNITIES TO ENTERPRISE

CONFIDENTIAL Designator



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

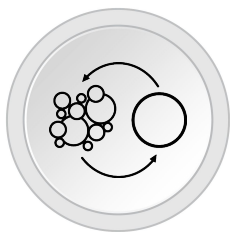
President & CEO, Red  
Hat



# The value of subscriptions

# A RED HAT SUBSCRIPTION

DELIVERS CONTINUOUS VALUE EVERY DAY



CUSTOMER PORTAL



KNOWLEDGE



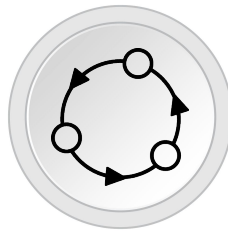
SECURITY



CERTIFICATIONS



SUPPORT



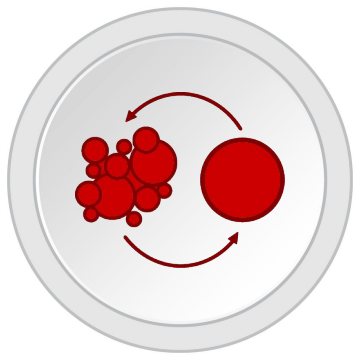
LIFE CYCLE



ASSURANCE

[access.redhat.com/subscription-value](https://access.redhat.com/subscription-value)

# 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**



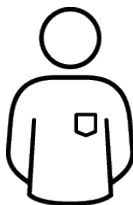
**SUBSCRIPTION  
MANAGEMENT**

**[access.redhat.com](https://access.redhat.com)**

# KNOWLEDGEBASE

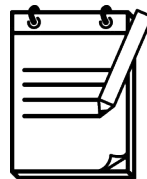


We've published thousands of solutions in our community-driven knowledgebase so you can learn from others, resolve issues yourself, and proactively manage your systems.



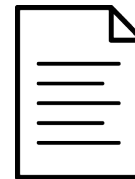
## EXPERTISE

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)

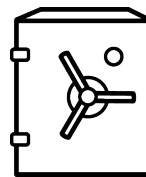


# PRODUCT SECURITY

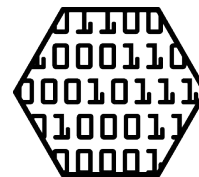
Red Hat's stable code is backed by a dedicated team of engineers who monitor, identify, and address risks to protect you and your customers' data from meaningful security concerns.



**SECURITY TOOLS**



**VULNERABILITY  
RESPONSES**



**CVE DATABASE**

[access.redhat.com/security/](https://access.redhat.com/security/)

# SUPPORT

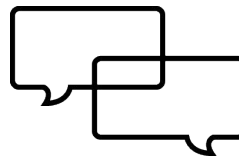


If you need to open a support case, it will be routed to a product specialist. Resolutions enable future updates to our products, making you an active participant in improving open source technology.



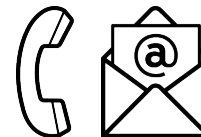
## SUPPORT CASES

Get answers quickly



## LIVE CHAT

With support engineers



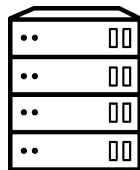
## CALL OR EMAIL

With a support expert

[access.redhat.com/support](https://access.redhat.com/support)

# 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**



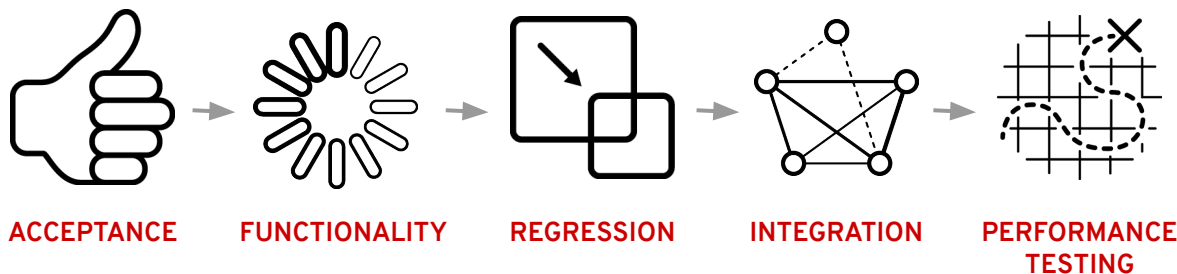
**CERTIFIED  
CLOUD PROVIDERS**

[access.redhat.com/ecosystem](https://access.redhat.com/ecosystem)

# ASSURANCES



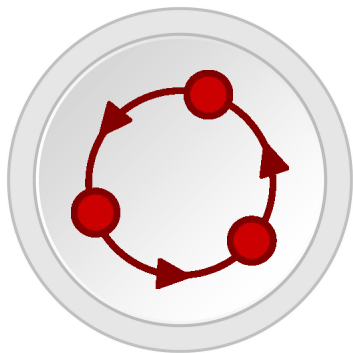
Red Hat's Quality Assurance team works closely with our product development teams and provides the final engineering check before our open source products are released to customers and partners.



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

# LIFE CYCLE

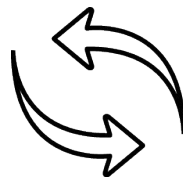
CONFIDENTIAL Designator



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**

[access.redhat.com/support/policy/update\\_policies/](https://access.redhat.com/support/policy/update_policies/)

# 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

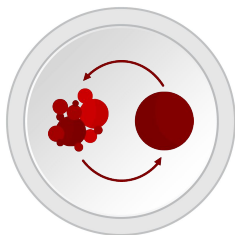
Open source community leadership

Hardware, software, &  
cloud provider partnership

**Security needs**

# Working with Red Hat

# WHAT WE BRING TO YOUR BUSINESS



## Technology

Secure. Stable. Reliable.



## Assurance

Enterprise-grade certainty.



## Expertise

Experience you can trust.



THE WORLD'S LEADING DEVELOPER AND SUPPLIER OF  
**OPEN SOURCE SOFTWARE**  
FOR ENTERPRISE I.T.

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A HIGH-GROWTH, MULTIBILLION-DOLLAR  
**S&P 500 INDEX COMPANY**

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OFFERING A COMPREHENSIVE PORTFOLIO OF  
**PRODUCTS AND SERVICES**

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**GLOBALLY ACTIVE**  
IN ALL VERTICAL MARKETS, WITH  
STRONG CHANNEL AND DIRECT DELIVERY MODELS

# Thank you !