

RHUG Intro and Agenda

Agenda

- ▶ Introductions & Announcements
 - Richard Hofmeister
- ▶ OpenShift Virtualization and You!
 - Chris Duffield
- ▶ Hosted RHEL Management with Insights
 - Shane McDowell
- ▶ EDA Ops w/ AAP and OCP
 - Brad Krumme

Platform Release Schedule

All Dates Subject to Change

- ▶ OpenShift 4.15 : Q1 2024
- ▶ RHACS 4.4 : Q1 2024
- ▶ RHEL 9.4 : Q2 2024
- ▶ Satellite 6.15 : Q2 2024
- ▶ Ansible Automation Platform 2.5 : Q1 2024

Middleware Release Schedule

All Dates Subject to Change

- ▶ JBoss EAP 8.0 : Q4 2023
- ▶ CamelK 2.0 : Q1 2024
- ▶ AMQ Streams 2.6 : Q1 2024
- ▶ 3scale 2.14 : Q4 2023
- ▶ Service Interconnect 1.5.2 : Q1 2024



What's new in Red Hat

OPENS SHIFT 4.14

ENHANCED SECURITY

- SCC Preemption prevention
- ConfigMaps and Secrets sharing across namespaces (GA)
- Azure managed identity
- Secret Store CSI Driver Operator (Technology Preview)



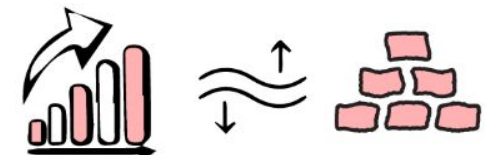
OPTIMIZE TCO VIA HOSTED CONTROL PLANES (HCP)

- Self-managed HCP on baremetal (GA)
- Self-managed HCP on OpenShift Virtualization (GA)
- Heterogeneous clusters with HCP
- x86 control plane with Power data plane for HCP on bare metal (Technology Preview)



CORE AND FLEXIBILITY

- 24 months OpenShift lifecycle for ARM, Z, and Power
- CgroupV2 default
- OVN optimization
- VMware vSphere CSI migration
- External platform type for partner integration



Red Hat Quay 3.10

New Repository and Organization flows

- Default Permissions
- Account Settings
- Ability to assign a certain permission to users / robots to all repositories at once
- Automatic tag pruning
- IBM System Z and POWER support

► Next-Up (Quay 3.11)

- Superuser panel
- Builds
- Oauth token management
- Notifications
- Usage Logs

The screenshot displays the Red Hat Quay 3.10 interface. In the foreground, a modal dialog titled "Set repository permissions for owners" is open. It features a table with columns for "Repository" and "Permissions". Four repositories are listed, each with a checked checkbox and "Admin" permissions: quay/quay, debian, leap, and quay. To the right of the table, a permissions menu is open, showing options: "None" (No permissions on the repository), "Read" (Can view and pull from the repository), "Write" (Can view, pull, and push to the repository), and "Admin" (Full admin access to the organization), which is currently selected. The background shows the "testorg" organization settings page, including tabs for "Repositories", "Teams and membership", "Robot accounts", "Default permissions", and "Settings". A "Create default permission" dialog is also partially visible on the right side of the background.

Red Hat Advanced Cluster Security 4.3

▶ Expanded Platform Support

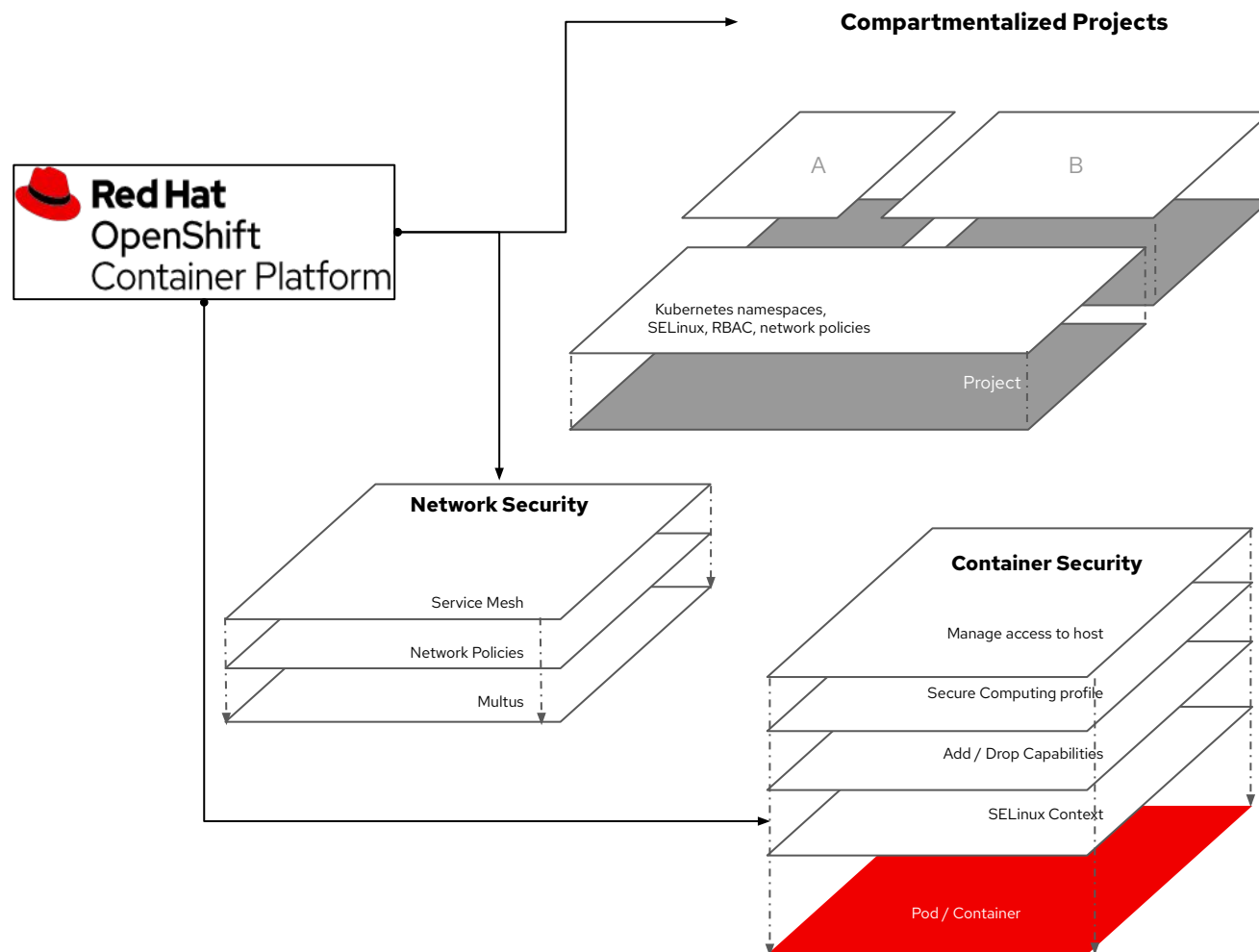
- ACS Secured Clusters on [OCP on IBM Cloud](#)
- ACS Central on [IBM Power](#) and [IBM Z](#)
- ACS full support for [OCP 4.14](#)
- ACS full support for [ROSA with HCP](#)

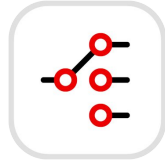
▶ ACS Admin Events Viewer

▶ Expanded Image Scanning via roxctl

▶ Easier Assignments of ACS Roles to New Users

▶ Vulnerability Reporting 2.0





Red Hat build of Apache Camel 4

- ▶ Support for over 100 hardened integration components
- ▶ Migration guides and utilities for Red Hat Fuse / Camel 2 modernization
- ▶ **Java 17** as minimum
- ▶ Quarkus 3
- ▶ Spring Boot 3
- ▶ Latest versions of 3rd party dependencies
- ▶ Performance optimizations
- ▶ Camel JMS connections got support for **connection pooling and XA transactions** on Quarkus
- ▶ **SAGA Pattern** is now supported via camel-saga component on Spring Boot, leveraging Narayana LRA
- ▶ **Camel CLI** for rapid integration prototyping
- ▶ **XML IO DSL** can now declare beans and Camel routes
- ▶ New development support policy for Camel development tools
- ▶ Pretty logs `<log message="{prettyBody}" />`
- ▶ Internal API changes from **javax -> jakarta** (JEE 10) APIs

Red Hat build of OpenJDK 21

- ▶ **UTF8 by default**
- ▶ **Simple Web Server**
- ▶ **Generational Z Garbage Collector**
- ▶ **Virtual Threads**
- ▶ **Linux/RISC-V Port**



Red Hat build of Keycloak 22

- ▶ A **new distribution** to make Keycloak compatible with cloud native environments
- ▶ Faster start-up time
- ▶ Lower memory footprint
- ▶ Smaller distribution size, with lesser dependencies
- ▶ Reduced and constrained container images
- ▶ Software efficiency -> Reduce costs

```
Keycloak - Open Source Identity and Access Management
Find more information at: https://www.keycloak.org/docs/latest

Usage:
kc.sh [OPTIONS] [COMMAND]

Use this command-line tool to manage your Keycloak cluster.
Make sure the command is available on your "PATH" or prefix it with "./" (e.g.:
"./kc.sh") to execute from the current folder.

Options:
-cf, --config-file <file> Set the path to a configuration file. By default, configuration properties are
                           read from the "keycloak.conf" file in the "conf" directory.
-h, --help                This help message.
-v, --verbose              Print out error details when running this command.
-V, --version              Show version information

Commands:
build                      Creates a new and optimized server image
start                      Start the server.
start-dev                  Start the server in development mode.
export                    Export data from realms to a file or directory.
import                    Import data from a directory or a file.
show-config               Print out the current configuration.
tools                     Utilities for use and interaction with the server.
completion                Generate bash/zsh completion script for the kc.sh script.
```

The screenshot shows the Keycloak Admin Console interface. At the top, there's a navigation menu with options like 'Manage', 'Clients', 'Client scopes', 'Realm roles', 'Users', 'Groups', 'Sessions', 'Events', 'Configure', and 'Realm settings'. The 'Realm settings' page is active, showing various configuration options for the 'master' realm. Fields include 'Realm ID' (master), 'Display name' (Keycloak), 'HTML Display name' (HTML code), 'Frontend URL', 'Require SSL' (External requests), and 'ACR to LoA Mapping'. A 'Sign out' button and 'Alice In Chains' text are visible at the bottom right.

The screenshot shows the Keycloak Admin Console user profile page for a user named 'alice'. The page title is 'Personal info' and it says 'Manage your basic information.' Below this, there's a message 'All fields are required.' and several input fields: 'Username' (alice), 'Email' (alice@keycloak.org), 'First name' (Alice), and 'Last name' (In Chains). At the bottom, there are 'Save' and 'Cancel' buttons.

RED.HT/MI-RHUG



Richard Hofmeister

Senior App Dev Solutions Architect :: hofmeister@redhat.com :: 517-927-6303

LinkedIn :: [Richard Hofmeister](#)

Quarter	Speaker	Topic	Slide Deck
Q4 - 2022	Richard Hofmeister	Agenda	pdf
	Brian Dumont	Using the Insights API to apply Compliance Profiles	pdf
	Richard Hofmeister	Application Modernization With Konveyor	pdf
	Patrick Regan	What's New in RHEL 9	pdf
	Brad Krumme	Enterprise Architecture Patterns	pdf
Quarter	Speaker	Topic	Slide Deck
Q3 - 2022	Brian Dumont	Enterprise Automation	pdf
	Alan Patrick	Red Hat Satellite	pdf
	Jay Ryan	Managing Complex Workloads in a Kubernetes Native Environment	pdf
	David Brugger	Empowering Event Driven Architectures Across the Hybrid Cloud	pdf
	Andy Block	Introduction to GitOps and Secrets Management	pdf