RHUG Intro and Agenda

Red Hat

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

OPENSHIFT 4.14

Red Hat OpenShift

ENHANCED SECURITY

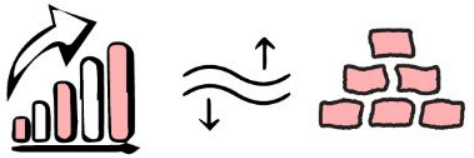
- SCC Preemption prevention
- ConfigMaps and Secrets sharing across namespaces (GA)
- Azure managed identity
- Secret Store CSI Driver Operator (Technology Preview)

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

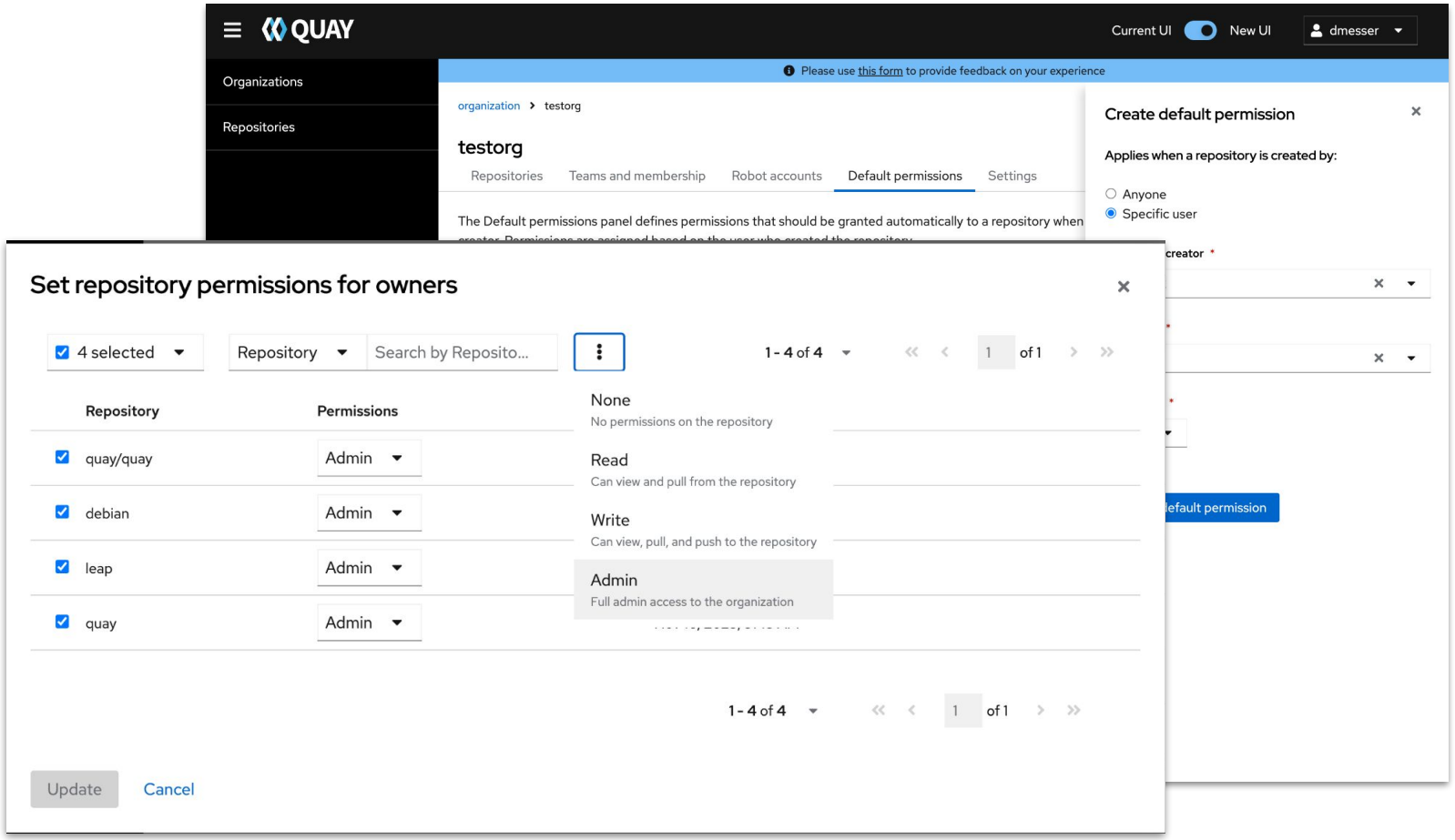


red.ht/whatsnew

Red Hat Quay 3.10

New Repository and Organization flows

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

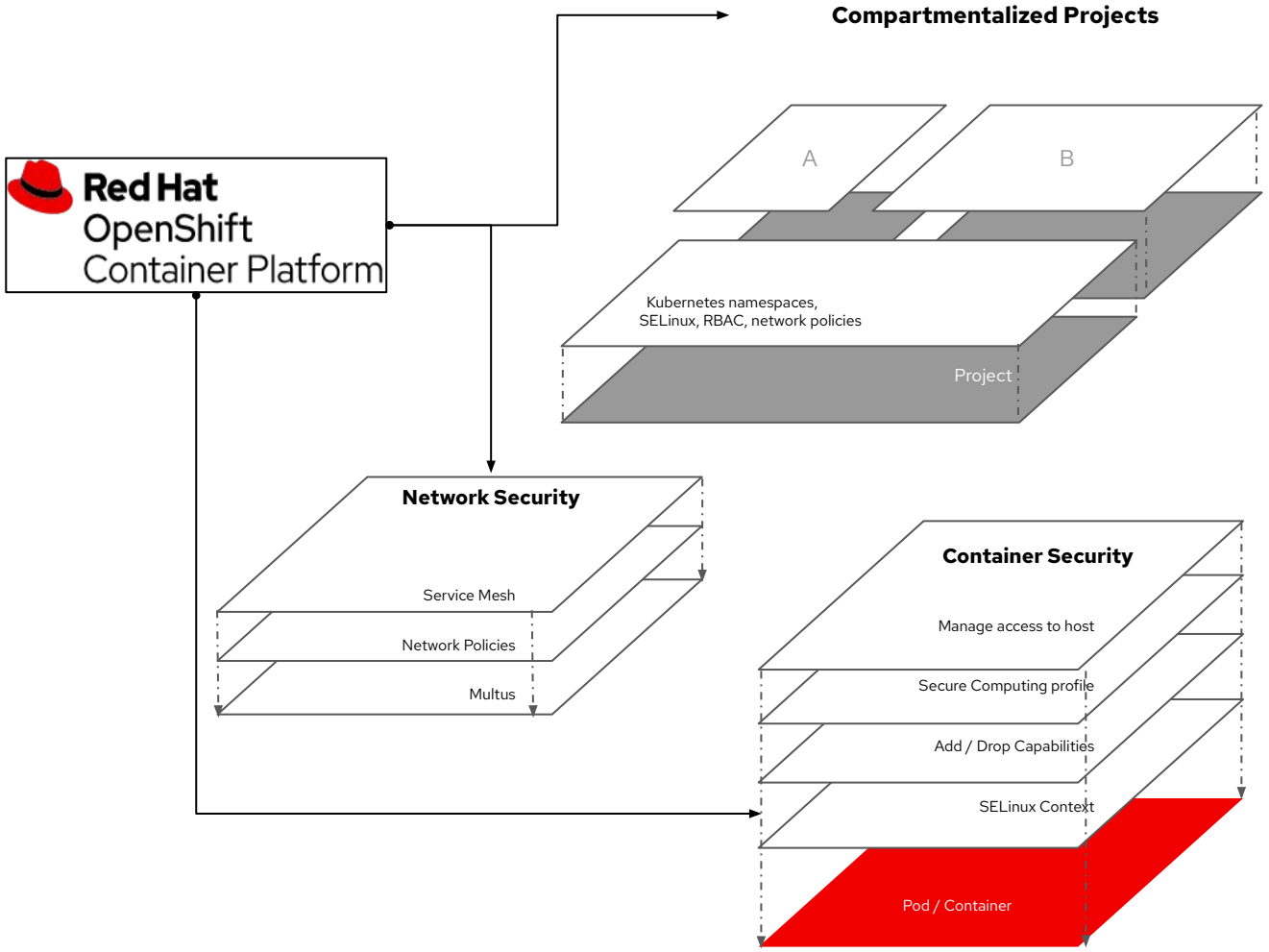


- **Next-Up (Quay 3.11)**
  - Superuser panel
  - Builds
  - Oauth token management
  - Notifications
  - Usage Logs

Red Hat

Red Hat Advanced Cluster Security 4.3

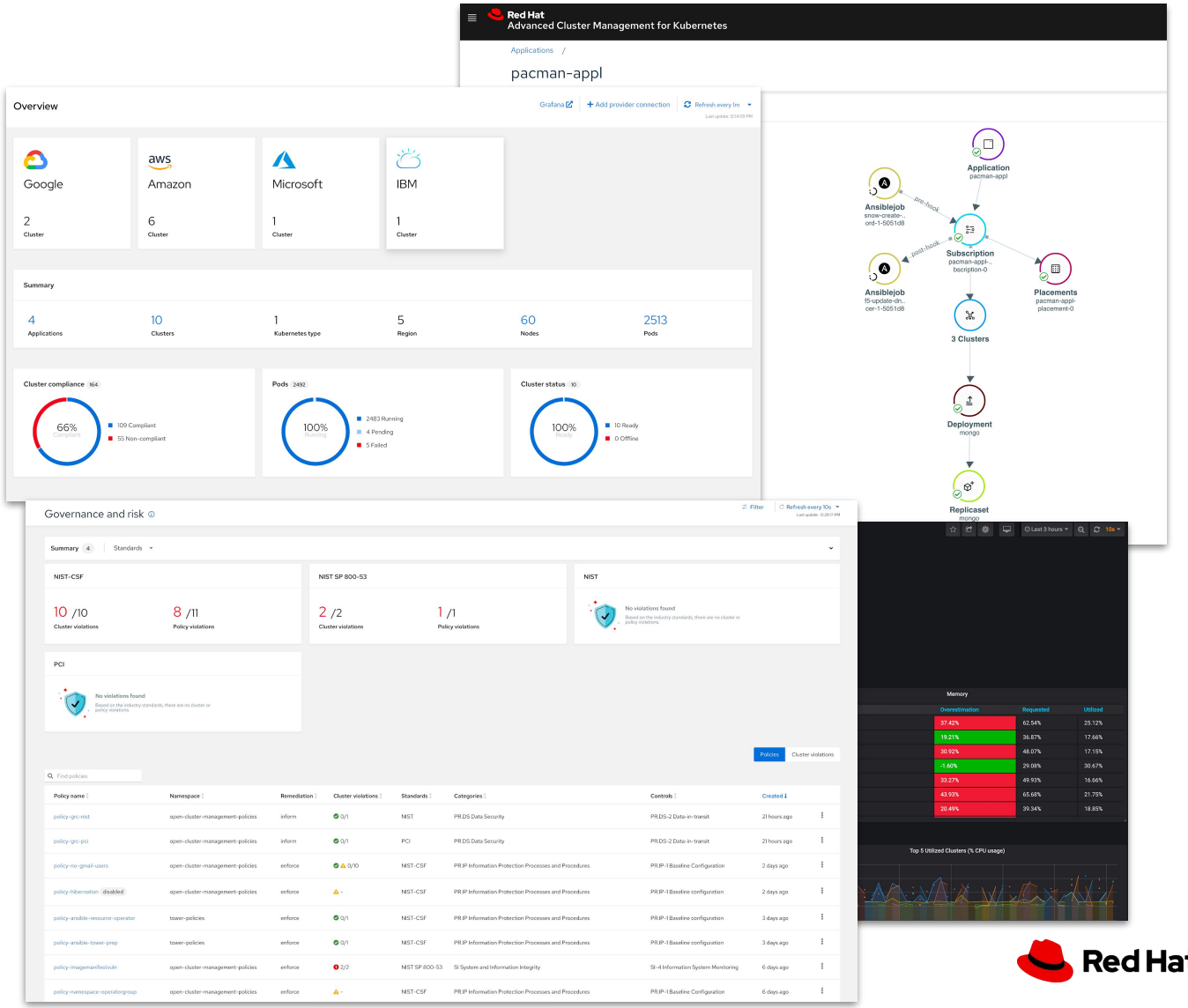
- **Expanded Platform Support**
  - ACS Secured Clusters on OCP on IBM Cloud
  - ACS Central on IBM Power and IBM Z
  - ACS full support for OCP 4.14
  - ACS full support for ROSA with HCP
- **ACS Admin Events Viewer**
- **Expanded Image Scanning via roxctl**
- **Easier Assignments of ACS Roles to New Users**
- **Vulnerability Reporting 2.0**



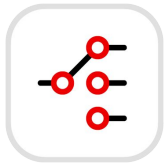
Red Hat

Red Hat Advanced Cluster Management 2.9

- **Fleet Management:**
  - **Nutanix UI Support**
  - **Node Disk-Wiping with ZTP**
  - **Hosted Control Planes GA**
  - **Spoke Cluster Initiated Registration**
- **Governance:**
  - **Inform Only Remediation**
  - **Gatekeeper Operator Uplift**
  - **Policy View Design Customization**
- **GitOps Enhancements**
  - **UI Support for Multi-Source Argo Apps**
  - **Customized Service Account**



Red Hat



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

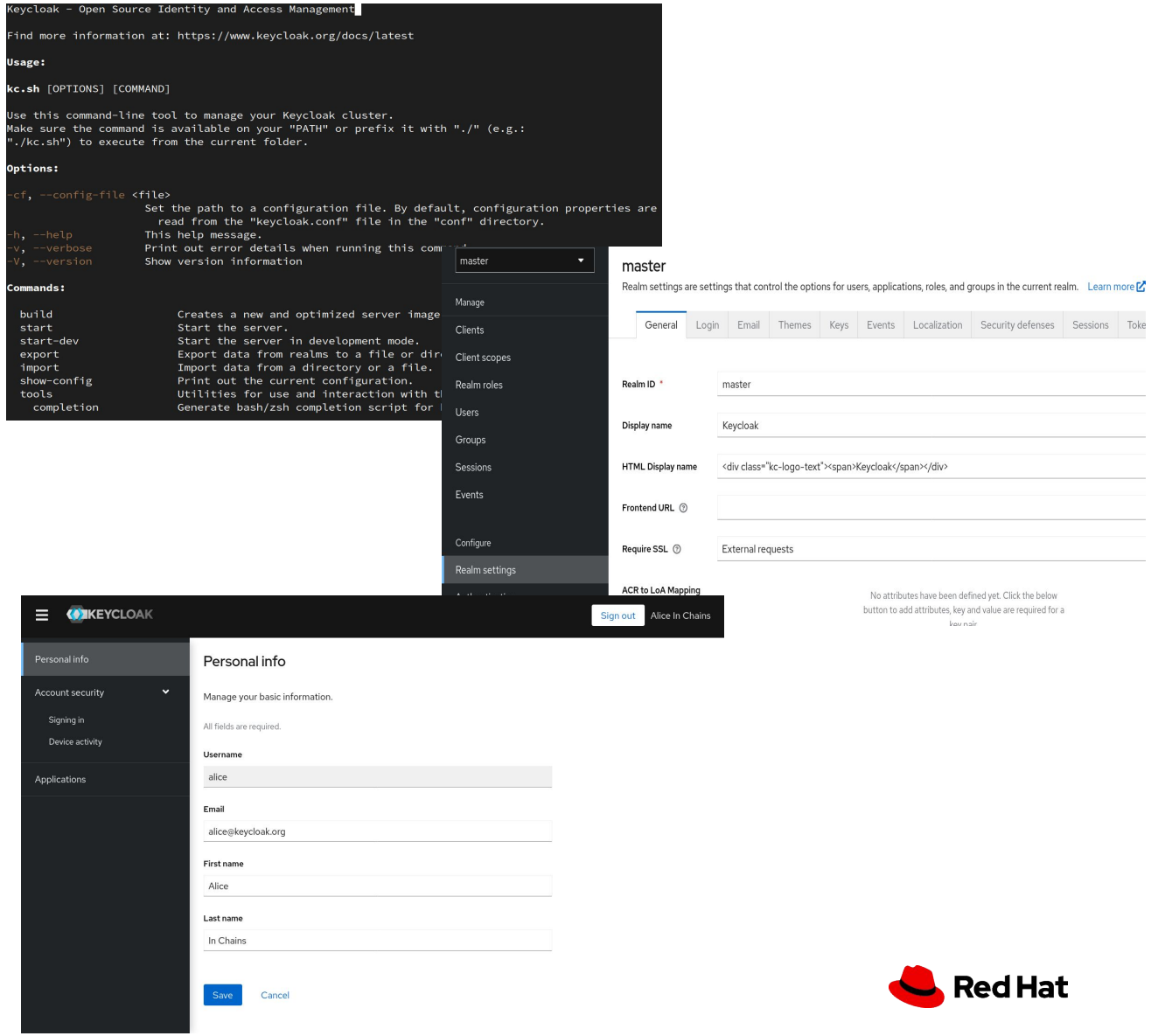
Red Hat build of OpenJDK 21

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

Red Hat

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



Red Hat

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