Modernize & Transform your SAP Landscape with Red Hat & Celebal Technologies

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SAPinsider Las Vegas

2023





In This Session

Modernizing the SAP landscape and driving intelligent business decisions.

- Foundational Elements
- Microsoft Teams Chatbot
 Architecture
- Resources

Foundational Elements







red.ht/SAPNEWS

 Red Hat and SAP extend support for the RISE with SAP solution on Red Hat Enterprise Linux, the preferred operating system for net new business for RISE with SAP solution deployments

This collaboration aims to **enhance intelligent business operations**, support cloud transformation across industries and **drive holistic IT innovation**.

This joint initiative to extend SAP software workloads on Red Hat Enterprise Linux is intended to make it easier for SAP customers to achieve greater business agility, accelerate cloud deployments and drive business innovation by building on Red Hat's scalable, flexible, open hybrid cloud infrastructure. Customers can now more readily streamline cloud transformation projects based on SAP software, including SAP S/4HANA, based on the RISE with SAP solution underpinned by Red Hat Enterprise Linux.





Why Red Hat for SAP?

Credibility

More than 90%

of companies in the Fortune 500 use Red Hat Enterprise Linux¹

Red Hat named a leader in

multicloud container development platforms

in the Q3 2020 Forrester Wave Report²

Red Hat named a **leader in**

infrastructure automation platforms

in the Q3 2020 Forrester Wave Report³

Confidence

20+ year partnership

with SAP

SAP <u>preferred</u> OS

For net new Rise for SAP solution development

Co-innovators with SAP

around multicloud, open source, and Kubernetes technology

Consistency

Red Hat is the only vendor

with a complete and **open hybrid cloud** infrastructure for SAP workloads

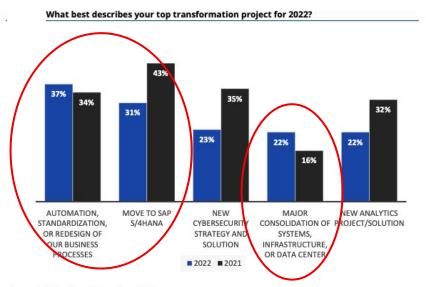
Our turnkey portfolio provides

scalability, stability and flexibility

Red Hat helps enterprises prepare for anything by

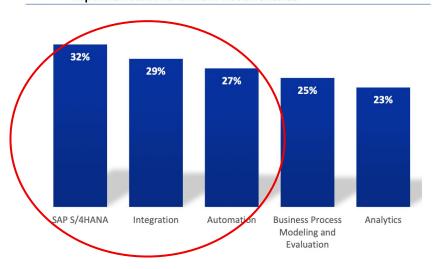
avoiding vendor lock-in





Source: SAPinsider, December 2022

Top skills needed for transformation success



Source: SAPinsider, December 2022

CelebaL Technologies

Anupam Gupta Co-Founder & Chief Architect



MS Teams SAP Chatbot powered by Ansible

Top Features

Say Goodbye to Manual SAP Basis Tasks

Using our interactive Teams Chatbot to carry out SAP Basis activities.

Monitoring at Glance

Using out-of-the-box embedded graphs like CPU Utilization etc.

Simplify User Management

Effortlessly create users in SAP using MS Teams interface.

Use-Cases

Automated Deployment

Automate SAP Deployment across multiple environments with consistent configurations.

Backup and Restore

Trigger on-demand SAP Backups and Restore via Teams

Monitoring

Monitor system resource metrics and track performance via Teams to quickly identify and resolve issues.

Benefits

Unlock Efficiency

Free up SAP Basis teams to focus on strategic and critical business operations.

Ensure Consistency

Leverage automated, repeatable management workflows and ensure consistent configuration.

Support Day 2 Ops

Realize the full value of your automation investment by eliminating manual, high-risk maintenance tasks.



SAP Automation powered by Ansible **End Users OPEN**SHIFT Security and Governance **ARO** Cluster hosting SAP Applications R SAP SAP Provider Identity and Keys and access control ARO-Master-Traffic User Toke, Kevs Manager Authentication Ansible Playbooks and Secrets ARO-Master-Bot Logic and UX Etistóm dedicated ARO-Master-SAP HANA compute running Querieş Azure Bot Logic Ansible Request Bot processing SAP Basis Configuration Query API OPENSHIFT Management Execution Response App Service ARO-Worker Respons Reserved compute Basis MS Teams **Express** Users Route ARO-Worker Feedback. Logs ARO-Worker SAP HANA Continuous Integration and Logging Subsidiary Application Bevelopment, Build, Delivery Test, Release, OPENSHIFT Web and system SAP SAP SAP Monitoring and reporting Logging utility Conversations, Logs Application Power feedback Feedback Utility Dashboards and E-Mail Bashboards and analytic analytic Alerts Azure Storage Transactional Logs SAP HANA SendGri injtiated **Qusto**m dashboard Email Admin service initiated Best Practice Subsidiary N **Utility Sample** Optional SAPinsider

SAP Application Modernization powered by Azure Red Hat OpenShift

Top Features

Side-by-Side Extensibility

Keep you SAP core clean by developing outside of it and integrate across Hybrid architectures.

Seamless Integration

Develop Applications external to SAP and seamlessly integrate them with SAP environment.

Management and Ops

Easily and seamlessly manage SAP and automate tasks across hybrid environments.

Use-Cases

ABAP to the Future

Enable cloud-native developers with no ABAP experience to build applications using modern tools.

Revive and Thrive

Modernize legacy SAP and non-SAP applications all in one place.

Interoperability

Run your SAP application wherever you want using Red Hat OpenShift and the power of Containers.

Benefits

Seamless Synergy

Run your SAP application wherever you want using Red Hat OpenShift and the power of Containers.

Simplify Cloud Migration

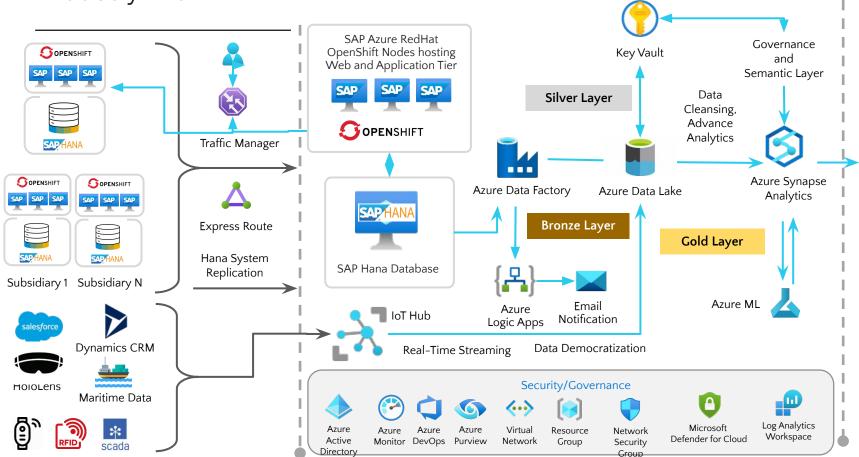
Using Build once and Deploy anywhere strategy that focuses on Microservices and Container based development.

Unlock Efficiency

Implement new functionality faster by decoupling S/4 and custom code.



Industry 4.0



Functional Apps like Supply Chain Control Tower, Production Planning etc.



Power BI



Supply

Supply Chain Analytics

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L1

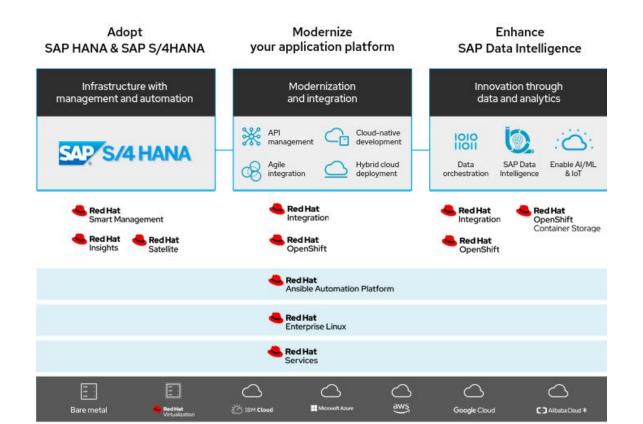
SAPinsider

Red Hat Platform

Vas Mitra NA SAP Solution Architect

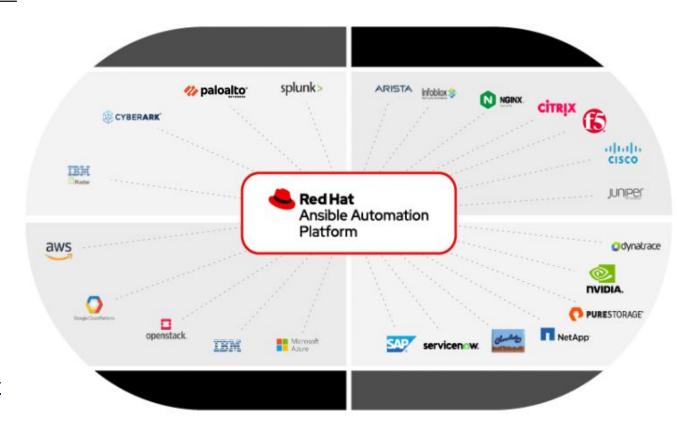


Red Hat for The Complete and Open Hybrid Infrastructure for SAP



Red Hat ISV Automation Ecosystem

130 Certified
Content
Collection from
55+ Technology
Partners



Red Hat Customer Partner

Wrap Up

- Microsoft Team SAP Chatbots can help drive modernization
- Open Hybrid Cloud Platforms are a foundation for innovation
- Celebal and Red Hat have the expertise to help you
- Red Hat is the SAP preferred OS

Where to Find More Information

- Website Red Hat for SAP
- Sales Brief Red Hat AAP for SAP Migrations
- You Tube For SAP Customers
- celebaltech.com



Thank you! Any Questions?

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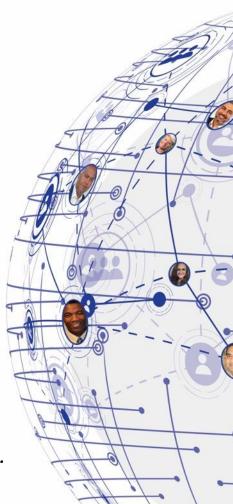
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"Red Hat Enterprise Linux offers a robust, open infrastructure to support SAP software deployments, providing a consistent foundation for hybrid cloud workloads."

Lalit Patil CTO, SAP Enterprise Cloud Services SAP SE

Red Hat and SAP are building a bridge to hybrid cloud for customers

Opportunity

Red Hat and SAP are working together to extend SAP software workloads on Red Hat Enterprise Linux (RHEL), making it easier for SAP customers to achieve greater business agility, accelerate cloud deployments and drive business innovation.

Partnership & solution

RHEL is the **preferred operating system** for net new business for RISE with SAP solution deployments. Customers can now more readily streamline cloud transformation projects based on SAP software, including SAP S/4HANA®, based on the RISE with SAP solution underpinned by RHEL.

To support SAP in more widely implementing RHEL, Red Hat is providing dedicated product engineers and on-site resources to assist SAP engineering and technical teams in driving standardization and interoperability for SAP and Red Hat solutions.





SAP Application Modernization powered by OpenShift - SAP Native Silver Layer SAP Azure RedHat 000 000 OpenShift Nodes hosting OPENSHIFT Web and Application Tier Processed and formatted Data INSIGHTS **OPENSHIFT** SAP® Analytics Cloud SAP DWC Traffic Manager SAP HANA SAP Data Lake SAP Data Hub Governance and Semantic Layer OPENSHIFT OPENSHIFT **Bronze Layer** SAP HANA **Functional Express Route Gold Layer** Apps like Supply Chain Control Tower. SAP HANA Hana System SAP Hana Database Production Replication Planning etc. Subsidiary 1 Subsidiary N **Email Notification** Logic Apps Real-Time Streaming Data Democratization Dynamics CRM SAP Data Intelligence HoloLens Maritime Data * 21

Ansible Automation Platform (ships with 2000+ modules)

VIRT AND CONTAINER	WINDOWS	NETWORK	NOTIFY
Docker	ACLs	Arista	HipChat
VMware	Files	A10	IRC
RHEV	Commands	Cumulus	Jabber
OpenStack	Packages	Big Switch	Email
OpenShift	IIS	Cisco	RocketChat
Atomic	Regedits	Cumulus	Sendgrid
CloudStack	Shell	Dell	Slack
And more	Shares	F5	Twilio
	Services	Juniper	And more
	Configs	Palo Alto	
	Users	OpenSwitch	
	Domains	And more	
	And more		
	CONTAINER Docker VMware RHEV OpenStack OpenShift Atomic CloudStack	CONTAINER Docker ACLs VMware Files RHEV Commands OpenStack Packages OpenShift IIS Atomic Regedits CloudStack Shell And more Shares Services Configs Users Domains	CONTAINER Docker ACLs Arista VMware Files A10 RHEV Commands Cumulus OpenStack Packages Big Switch OpenShift IIS Cisco Atomic Regedits Cumulus CloudStack Shell Dell And more Shares F5 Services Juniper Configs Palo Alto Users OpenSwitch Domains And more



Ansible Playbooks (Day 1+ Day 2):

Apply SAP RHEL best practices Install SAP HANA Install S/4 HANA HANA Backup SAP Kernel Upgrade Stop/Start SAP Systems

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