



Red Hat

# Red Hat and AWS

Innovate faster and deliver high-quality customer experiences

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# Red Hat and AWS help you meet digital business needs

## Delivering high-performing Linux, cloud, container, and Kubernetes technologies

Red Hat and AWS have extensive experience in IT infrastructure, hybrid cloud, digital transformation, and open source innovation.

### AWS Validated Qualifications

#### AWS COMPETENCIES

Containers ISV Competency

#### PARTNER PROGRAMS

AWS Marketplace Seller

AWS Public Sector Partner

Authority to Operate on AWS

#### AWS SERVICE VALIDATIONS

AWS Outposts Ready Product

#### AWS CERTIFICATIONS

AWS Certified Solutions Architect - Associate



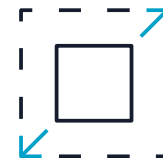
# Better together: Red Hat and AWS

Expand your business possibilities

A decade of Red Hat and AWS collaboration to provide consistent, globally scalable, and modern platforms and solutions for business transformation.



Cross-infrastructure consistency and availability



Reliable, scalable infrastructure



Unified experience in hybrid environments



Enterprise grade support



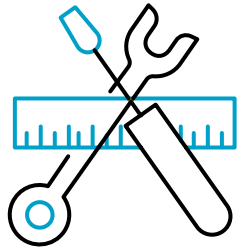
# Red Hat Enterprise Linux (RHEL) + Ansible on AWS

Open-Source Operating System

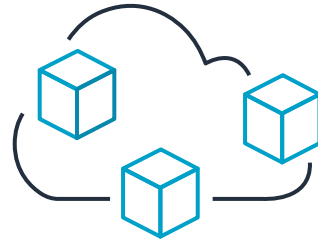
Automation Platform

# Industry trends

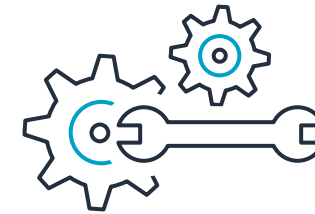
Organizations are driven to unified experiences across on-premises and cloud environments



Developers are looking for tools that package all application components to simplify and streamline deployment processes, allowing them to deliver higher quality applications, faster



Organizations are switching to solutions that allow them to leverage the same operating systems across their cloud or hybrid environments for ease of management



IT Infrastructure teams are faced with a 2027 deadline to migrate all SAP applications to SAP S/4HANA, driving a need to modernize the underlying IT infrastructure

# Customer challenges

Inconsistent, disparate systems impede application performance

## Legacy infrastructure delays application deployments

Traditional infrastructure and operations can limit application delivery and performance and business agility

## Poor application performance

Legacy applications may not function with the same performance on the cloud

## Inconsistent environments

Legacy operating systems can introduce inconsistencies between on-premises and cloud deployments, making it difficult to achieve security and compliance requirements

# RHEL overview

## Powerful, adaptable platform for innovation

RHEL is an enterprise Linux operating system on Amazon Elastic Cloud Compute (Amazon EC2) that provides an intelligent, stable, and security-focused foundation for modern, agile business operations

**40%**

**Lower three-year  
operations costs**

**20%**

**Lower IT  
infrastructure costs**

**45%**

**More efficient IT  
staff operations**

**68%**

**Less unplanned  
downtime**

**26%**

**Faster deployment  
options**

*IDC White Paper, sponsored by Red Hat. "The business value of Red Hat Enterprise Linux," Document #US41284716, November 2017.*



# Ansible Automation Platform overview

Automate any application, anywhere—from your AWS cloud

With Ansible Automation Platform you gain the flexibility to scale your business—wherever it is. So whether it's on-premise, a regional footprint, a global enterprise network, you can deploy Ansible Automation Platform via the AWS Marketplace to automate the management of your IT resources.

**100**

AWS modules

**1,300**

additional operating system,  
network and application modules

**110+**

precomposed Red Hat and  
Red Hat partner modules

Rapidly scale to 100s, even 1000s of instances

Those who use Ansible Automation Platform to support business needs and improve IT and application development operations could see:



5-year ROI of  
**667%**



**10 month payback**  
on their investment.

IDC White Paper, "The business value of Red Hat Ansible Automation Platform," Doc#US47989320, October 2021.



## Work with your committed spend

Explore the other benefits of Red Hat Ansible Automation Platform software, which is now available through the AWS Marketplace:



Designed for fast  
setup in AWS.



Available as self-managed  
offering.



Integrated to AWS  
billing.



Includes Red Hat's  
Premium support level.



Counts toward your  
committed spend.



Backed by Red Hat software  
reliability engineers.

## Gain new insights into your business

Use insights and analytics features to spot and resolve  
issues before they affect your operations.

Based on interviews with Ansible Automation  
Platform users, organizations could benefit from:



**76% reduction** in  
unplanned downtime.



**30% more efficient**  
IT infrastructure teams.



**39% more applications**  
developed per year.



**59% more time** spent on  
innovation and other activities.

IDC White Paper, "The business value of Red Hat Ansible Automation Platform," Doc#US47989320, October 2021.



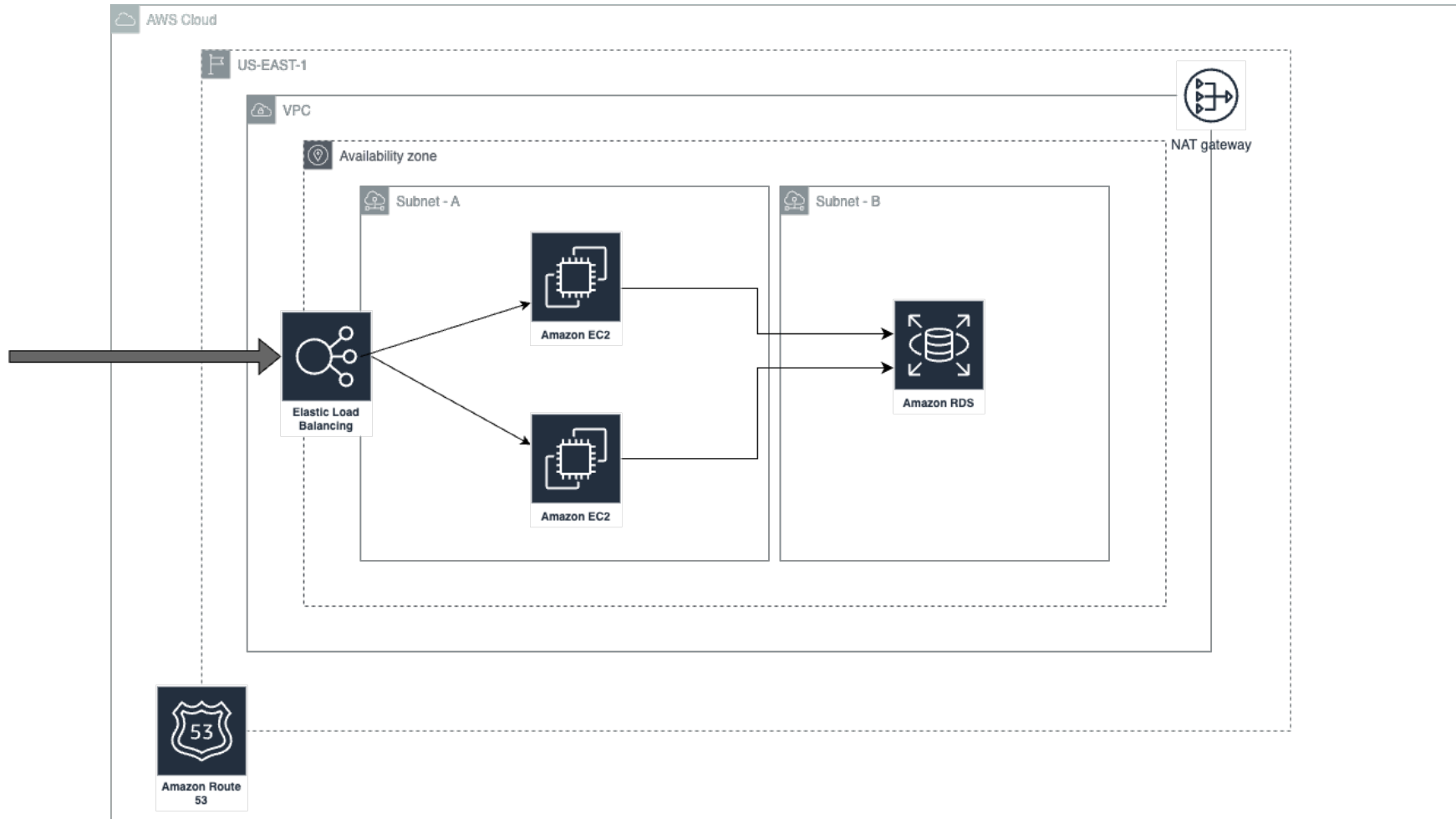




# Demo – 3 Tier App Rehost/Replatform to AWS

Via Red Hat Ansible Automation

# Demo Application AWS Architecture



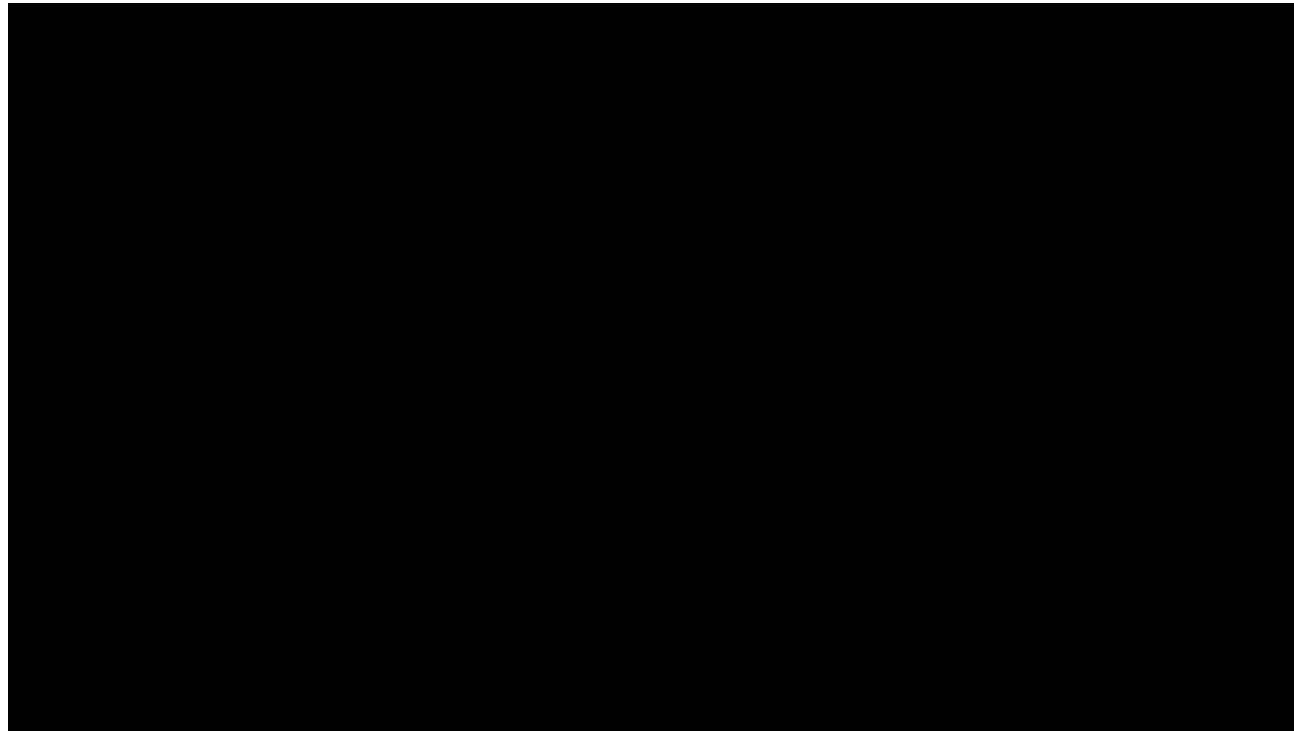
## Rehost and Replatform

- AWS Native Services used for Networking, Compute, Storage, and Security
- App Servers rehosted to EC2 Instances
- Application replatformed to single container deployment on EC2
- PostgreSQL Server/Database replatformed to Managed AWS RDS

# Demo execution/environment

## Ansible Automation Example

- Fork of [https://github.com/redhat-cop/cloud.aws\\_ops](https://github.com/redhat-cop/cloud.aws_ops) @[https://github.com/ghoelzer-aws/cloud.aws\\_ops](https://github.com/ghoelzer-aws/cloud.aws_ops)
- Executed /playbooks/webapp on local desktop using Docker/Ansible Execution Engine Container Image





# Questions ?

Thanks!