

Optimize cloud efficiency with Red Hat Enterprise Linux for AWS

Organizations need to run their existing systems while preparing for new and evolving business demands. To manage this balance, many adopt hybrid or multicloud strategies, and search for the right platform to help streamline their IT operations, improve their security posture, and reduce configuration issues. This checklist explores how [Red Hat® Enterprise Linux® for AWS](#)—built in deep collaboration with [Amazon Web Services \(AWS\)](#) and available for Red Hat Enterprise Linux 9.6 and 10—delivers the performance, consistency, scalability, and focus on security your organization needs to reduce complexity and optimize for efficiency in the cloud.

1 Get started more quickly with a preconfigured and preintegrated solution

Red Hat Enterprise Linux for AWS provides a ready-to-use operating system (OS) with pretuned images optimized for performance in the AWS cloud that helps your organization get started more efficiently with:

- ▶ Deep integration with AWS infrastructure, services, and tools, including [Elastic Network Adaptor \(ENA\)](#), to minimize time-consuming setup.
- ▶ Built-in configurations for AWS-specific profiles to support optimal performance, integration, and observability for your AWS-based workloads.
- ▶ Qualification for the [AWS Enterprise Discount Program \(EDP\)](#) and the [Red Hat Hybrid Committed Spend \(HCS\) program](#) to provide additional procurement flexibility.

2 Maintain consistency and security posture across your hybrid cloud

Red Hat Enterprise Linux for AWS provides a stable, consistent, and security-focused foundation for all workloads across your hybrid or multicloud with:

- ▶ Container-native tooling that allows you to deploy Red Hat Enterprise Linux as a bootc container image ([image mode for Red Hat Enterprise Linux](#)) and consolidate cloud-native development and IT operations into a single consistent pipeline.
- ▶ Tooling for creating templated images that help enforce consistent OS deployment across all environments, and immutable system images that help reduce your organization's attack surface; both accessible through image mode.
- ▶ Customizable settings that persist across all image deployments to help enforce consistent behavior across environments and reduce provisioning time.
- ▶ Image attestation and top-down memory encryption through Secure Boot (only available for Nitro instances), confidential compute, and confidential hypervisor.
- ▶ Optional automated security updates and rollbacks to streamline your security operations.

3 Monitor and manage both Red Hat and AWS systems with unified tools

Red Hat Enterprise Linux for AWS helps you reduce management complexity across your entire IT environment, including both Red Hat and AWS systems and workloads, with access to:

- ▶ Integration with [AWS CloudWatch](#) via [OpenTelemetry](#), which can be [deployed and connected to the AWS console](#) with minimal setup. This allows you to see your Red Hat Enterprise Linux instances alongside your AWS resources and applications in Amazon CloudWatch with centralized and enhanced observability and diagnostics.
- ▶ A preconfigured and integrated [AWS Command Line Interface](#) (CLI) that allows you to interact with AWS services and tools using cloud-native management directly from your Red Hat Enterprise Linux host.

Learn more

[Explore this page](#) to discover more about how Red Hat Enterprise Linux for AWS can help your organization optimize for cloud efficiency.

4 Operate confidently with predictive analytics and AI-powered support

Red Hat Enterprise Linux for AWS further supports monitoring and management of Red Hat and AWS systems with access to proactive management services, including:

- ▶ [Red Hat Insights](#), which provides predictive analytics that proactively alert you of impending outages, security events, and any potential cost or resource allocation concerns. This service also helps you manage on-premise and cloud environments from a single interface.
- ▶ [Red Hat Enterprise Linux Lightspeed](#), which provides generative AI-powered guidance for building, deploying, and managing Red Hat Enterprise Linux to streamline management decisions and address any Linux skills gaps in your organization.

Get started

[Visit the AWS Marketplace](#) to get started with Red Hat Enterprise Linux for AWS.



About Red Hat

Red Hat helps customers standardize across environments, develop cloud-native applications, and integrate, automate, secure, and manage complex environments with [award-winning](#) support, training, and consulting services.

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