Why Rundeck Enterprise?

Thousands of organizations worldwide rely on Rundeck as the foundation of their IT Operations strategy.
From professional support to enhanced features, Rundeck Enterprise is the smart choice for enterprises adopting Rundeck. Rundeck Enterprise is the enterprise-ready edition of Rundeck, the most popular open-source runbook automation solution. This document highlights the advantages of Rundeck Enterprise.

The following services and features are only available to Rundeck Enterprise customers:

**Rundeck Support**

Rundeck Enterprise is the only way to get professional support from the creators and maintainers of Rundeck. From advice about your Rundeck usage to help with troubleshooting, our support team has you covered. Standard and 24x7 options are available.

- Help with troubleshooting
- Standard and 24x7 options available

**Professional Services**

Time is your most valuable asset. From onboarding to implementation services, our expert professional services team is ready to help your team quickly maximize the value of your Rundeck investment. Professional services are available exclusively for Rundeck Enterprise customers.
Enterprise Feature Details

Resiliency

Your Rundeck is a critical service, treat it like one. Whether you are using Rundeck for responding to incidents, provisioning, scheduling batch tasks, or more — your Rundeck has to be there for you. Rundeck Enterprise has the critical capabilities that deliver the resiliency that your business demands.

- **Clustering**: Rundeck Enterprise’s cluster capabilities ensure that your Rundeck service is highly available, easily expandable, and easy to manage.

- **Auto Takeover On Failure**: If a Cluster Member goes down all scheduled jobs on that member are moved to a healthy instance.

- **Job Resume**: This plugin allows Jobs to Resume execution at a failed workflow step.

- **Job Replication**: Within a clustered or active/passive model, the Job replication plugin automatically replicates Job definitions to a secondary Rundeck instance whenever a Job is modified within a project.

- **Execution Replication**: Keep the data between instances current. This plugin shares execution data between Rundeck servers to keep them in sync.
Scalability

Rundeck Enterprise readily handles two types of scale: increasing workload and onboarding more users. Rundeck Enterprise provides the capabilities necessary to be ready to handle the expanding usage, all while keeping your Rundeck infrastructure simple and easy to manage.

**Clustering:** Rundeck Enterprise's cluster capabilities ensure that your Rundeck service is highly available, easily expandable, and easy to manage.

**Load balanced workloads:** Horizontally scale your Rundeck cluster by designating specific cluster members to handle certain types of traffic (user interface vs job execution) or designating specific cluster members to handle certain types of jobs (e.g., Windows vs Linux or PCI vs non-PCI). For end-users, the perception is they are simply accessing a centralized, highly-performant Rundeck.

**Single Sign-on Support:** To simplify the on-boarding experience, Rundeck Enterprise can be configured to work with the SSO solutions (e.g. Okta or Ping Identity)

**Access Control Rules Builder and Evaluator:** Rundeck features powerful fine-grained access control capabilities. Rundeck Enterprise includes a GUI-based interface that simplifies the building of access control rules and another GUI-based interface for evaluating and testing those rules. This makes it easy to both create rules and see what effect those rules have on a specific person's or group's access — a must for enterprise usage.
**Health Checks for Nodes:** As your Rundeck usage grows, so will the infrastructure across which Rundeck jobs will execute. That infrastructure is represented as Nodes. Health Checks allow you to check the health status of Nodes periodically and on-demand. Common uses include showing the status of a Node visually in the Rundeck GUI, and using status to filter out unhealthy nodes when running Jobs.

**Security**

Securing your Rundeck is an essential part of using Rundeck within your company. Rundeck Enterprise has additional security-minded features that are often considered mandatory for enterprise usage.

**Keys and Passwords Encrypted By Default:** Rundeck's key storage facility is very useful for controlling access to secrets like SSH keys or passwords. Using this feature, you can expand the number of people who can execute actions that previously required access to passwords or access to privileged environments. Rundeck's key storage facility is encrypted by default in Rundeck Enterprise.

**Encrypted Project Configuration:** Rundeck project configurations often contain sensitive information. In Rundeck Enterprise, project configurations are encrypted.

**Single Sign-on Support:** In addition to using Active Directory or LDAP for authentication, Rundeck Enterprise can be configured to work with the SSO solutions (e.g. Okta or Ping Identity).
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Usability

For most users, Rundeck is their interface to operations. Rundeck Enterprise provides an enhanced user experience for all involved — job writers, job runners, observers, and Rundeck administrators.

Rule-based workflow to control step flow and conditions: The Ruleset Workflow Strategy Plugin gives the Job writer a lot more control over a Job's workflow. You can define a set of rules to describe when and if steps in the workflow should run. Now you can easily do things like forking/merging workflow and conditional execution of specific steps.

Workflow Visualization: Rundeck Enterprise includes the ability to visualize workflows. During execution, the workflow visualization indicates the progress of a job as it executes. This visualization feature is useful for a Job writer or Job runner to understand a Job at a glance. Additionally, the visualization is an indispensable part of helping a broader audience follow the execution of a job.
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Rule-based webhooks route to jobs based on payload data: Webhooks are an essential integration tool. Webhook support in Rundeck Enterprise includes a powerful capability to parse the load of a Webhook and take action based on rules you define. For example, enable selective execution of one or more Jobs based on event data passed to Rundeck via Webhook.

Schedule Visualization: Rundeck Enterprise includes a schedule visualization tool that will show you all of the upcoming Job executions. This feature provides an administrative view that is essential to anyone using Rundeck to execute scheduled batch or maintenance tasks.

Progress Badge: Not everyone who runs or views a Job will understand the log output. The Progress Badge feature enables you to easily create graphic badges that will display if the log output for a Job step matches the conditions you define. This feature is helpful to indicate if a step has succeeded, failed, or a warning is needed. Colors, custom text, and even emojis ("😊💯") are supported.
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**Deeper Solution Integrations**

Rundeck features a highly pluggable architecture. In addition to supporting a select set of plugins from the Rundeck community, Rundeck Enterprise includes plugins maintained exclusively for Rundeck Enterprise customers.

**Advanced Webhooks:** Webhook support in Rundeck Enterprise includes a powerful capability to parse the payload of a Webhook and execute Jobs based on the rules you define. For example, enable selective execution of one or more Jobs based on event data passed to Rundeck via Webhook.

**ServiceNow Incident Management:** Includes Rundeck workflow steps that changes an incident state, checks assigned incidents, checks an incident state, comments an incident, creates an incident, and provides server information from ServiceNow CMDB.

**PagerDuty Webhook Plugin:** Execute jobs directly from PagerDuty with this enhanced Webhook Plugin.
PowerShell Node Execution: Use Rundeck jobs to execute commands and copy files on Windows Servers.

VMWare Workflow Steps: A collection of Workflow Steps that allow creating and managing VMWare Virtual Machines.

VMWare Node Operations: Allows users to Power-Off/Power-On/Restart/Suspend/Stand-By a VM.

Github Script Plugin for Commands: The Github script plugin is a Workflow Step plugin included with Rundeck Enterprise that runs a command located on a GitHub repo.

SQL Runner: The SQLRunner plugin is a node step plugin included with Rundeck Enterprise that executes a .sql script against a JDBC compliant database system.

Need more information? Contact hello@rundeck.com