

# AWS Systems Manager Run Command

Archived: 2026-04-29 07:22:51 UTC

Using Run Command, a tool in AWS Systems Manager, you can remotely and securely manage the configuration of your managed nodes. A *managed node* is any Amazon Elastic Compute Cloud (Amazon EC2) instance or non-EC2 machine in your [hybrid and multicloud](#) environment that has been configured for Systems Manager. Run Command allows you to automate common administrative tasks and perform one-time configuration changes at scale. You can use Run Command from the AWS Management Console, the AWS Command Line Interface (AWS CLI), AWS Tools for Windows PowerShell, or the AWS SDKs. Run Command is offered at no additional cost. To get started with Run Command, open the [Systems Manager console](#). In the navigation pane, choose **Run Command**.

Administrators use Run Command to install or bootstrap applications, build a deployment pipeline, capture log files when an instance is removed from an Auto Scaling group, join instances to a Windows domain, and more.

The Run Command API follows an eventual consistency model, due to the distributed nature of the system supporting the API. This means that the result of an API command you run that affects your resources might not be immediately visible to all subsequent commands you run. You should keep this in mind when you carry out an API command that immediately follows a previous API command.

## Getting Started

The following table includes information to help you get started with Run Command.

Topic	Details
<a href="#">Setting up managed nodes for AWS Systems Manager</a>	Verify that you have completed the setup requirements for your Amazon Elastic Compute Cloud (Amazon EC2) instances and non-EC2 machines in a <a href="#">hybrid and multicloud</a> environment.
<a href="#">Managing nodes in hybrid and multicloud environments with Systems Manager</a>	(Optional) Register on-premises servers and VMs with AWS so you can manage them using Run Command.
<a href="#">Managing edge devices with Systems Manager</a>	(Optional) Configure edge devices so you can manage them using Run Command.

Topic	Details
<a href="#">Running commands on managed nodes</a>	Learn how to run a command that targets one or more managed nodes by using the AWS Management Console.
<a href="#">Run Command walkthroughs</a>	Learn how to run commands using either Tools for Windows PowerShell or the AWS CLI.

#### EventBridge support

This Systems Manager tool is supported as both an *event* type and a *target* type in Amazon EventBridge rules. For information, see [Monitoring Systems Manager events with Amazon EventBridge](#) and [Reference: Amazon EventBridge event patterns and types for Systems Manager](#).

#### More info

- [Remotely Run Command on an EC2 Instance \(10 minute tutorial\)](#)
- [Systems Manager service quotas](#) in the *Amazon Web Services General Reference*
- [AWS Systems Manager API Reference](#)

#### Topics

- [Setting up Run Command](#)
- [Running commands on managed nodes](#)
- [Using exit codes in commands](#)
- [Understanding command statuses](#)
- [Run Command walkthroughs](#)
- [Troubleshooting Systems Manager Run Command](#)

---

Source: <https://docs.aws.amazon.com/systems-manager/latest/userguide/run-command.html>