



AWS Systems Manager Parameter Store

- You work for a bank as a systems administrator. You need to store confidential information such as users, passwords, license keys etc. This information needs to be passed to EC2 as a bootstrap script, while maintaining the confidentiality of the information.

SYSTEMS MANAGER
SERVICES

- Run Command
- State Manager
- Configuration Compliance
- Automations
- Patch Compliance
- Patch Baselines

SYSTEMS MANAGER
SHARED RESOURCES

- Managed Instances
- Activations
- Documents
- Maintenance Windows
- Parameter Store**
- Patches

Services → EC2

Welcome to EC2 Systems Manager - Parameter Store

Use EC2 Systems Manager to easily configure and manage Amazon EC2 instances and servers or virtual machines (VMs) running in your on-premises environment. On-premises machines configured for Systems Manager are called managed instances. [Learn more.](#)

Parameter Store centralizes the management of configuration data - such as passwords, license keys, or database connection strings - that you commonly reference in scripts, commands, or other automation and configuration workflows. With granular security controls for managing user access and strong encryption for sensitive data such as passwords, Parameter Store improves the overall security posture of your managed instances. Encrypting parameters with Parameter Store is not supported in all regions. [Learn more](#)

Before you use Parameter Store, you must configure managed instances and permissions. [Learn more.](#)

To learn more about Parameter Store and its features and benefits, please see the [getting started guide](#)

[Get Started Now](#)

Getting started with Parameter Store



1. Create a parameter

Create a parameter by selecting a data type and specifying a key-value pair. After you create the parameter, specify access controls and then reference the parameter in your configuration management scripts or commands.



2. Store sensitive data

Specify additional level of encryption for sensitive data that needs to be stored and referenced in a secure manner. Encrypt this data with your AWS KMS keys or with a default service key and delegate access only to users who are able to decrypt and view sensitive data.



3. Access parameters across services

Parameter Store makes it easy for you to reference your parameters in automation and configuration workflows across AWS services and features, including Amazon EC2 Run Command, Amazon EC2 State Manager, and AWS CloudFormation.

Create Parameter

A parameter is a key-value pair for any data that you want to store and reference. Specify a name, data type, and value for the parameter.

Name*

AdobeLicenseKey

i

Description

My License Key For Adobe

i

Type

☐ String

☐ String List

☒ Secure String

i

KMS Key ID

alias/aws/ssm (Default)

↻

i

Value*

.....

i

Cancel

Create Parameter

Create Parameter

Actions

Filter by attributes

<input checked="" type="checkbox"/>	Name	Type	Description	Key ID	Version	Last Modified Date	Last Modified User
<input checked="" type="checkbox"/>	AdobeLicenseKey	SecureString	My License Key For...	alias/aws/ssm	1	February 26, 2018 at 12:...	arn:aws:iam::308977447...

Parameter: AdobeLicenseKey

Description

Name AdobeLicenseKey
Last Modified Date February 26, 2018 at 12:44:44 PM UTC
Description My License Key For Adobe
Value [Show](#)

Type SecureString
Last Modified User arn:aws:iam::308977447137:root

AWS Systems Manager Parameter Store Exam Tips



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- Confidential information such as passwords, database connection strings, and license codes can be stored in SSM Parameter Store.
- You can store values as plain text or you can encrypt the data.
- You can then reference these values by using their names.
- You can use this service with EC2, CloudFormation, Lambda, EC2 Run Command etc etc