**SSM - Application Management – Parameter Store**

## Service Overview

**AWS Parameter Store** provides secure, hierarchical storage for configuration data management and secrets management. You can store data such as passwords, database strings, Amazon Machine Image (AMI) IDs, and license codes as parameter values. You can store values as plain text or encrypted data. You can reference Systems Manager parameters in your scripts, commands, SSM documents, and configuration and automation workflows by using the unique name that you specified when you created the parameter.

## Use cases / Considerations

Parameter Store benefits:

* Use a secure, scalable, hosted secrets management service with no servers to manage.
* Improve your security posture by separating your data from your code.
* Store configuration data and encrypted strings in hierarchies and track versions.
* Control and audit access at granular levels.

Parameter Store [features](https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-parameter-store.html#parameter-store-features):

* Change notification
* Organize and control access
* Label versions
* Data validation
* Reference secrets
* Accessible from other AWS services
* Integrate with other AWS services

## Governance

* [Setting up notifications or trigger actions based on Parameter Store events](https://docs.aws.amazon.com/systems-manager/latest/userguide/sysman-paramstore-cwe.html)
* [Auditing and logging Parameter Store activity](https://docs.aws.amazon.com/systems-manager/latest/userguide/parameter-store-logging-auditing.html)

## Cautions

* [Managing parameter tiers](https://docs.aws.amazon.com/systems-manager/latest/userguide/parameter-store-advanced-parameters.html)
* [Increasing Parameter Store throughput](https://docs.aws.amazon.com/systems-manager/latest/userguide/parameter-store-throughput.html)

## Pricing considerations

[Parameter Store Pricing](https://aws.amazon.com/systems-manager/pricing/#Parameter_Store)

## More details

* [Parameter Store](https://docs.aws.amazon.com/systems-manager/latest/userguide/systems-manager-parameter-store.html)
* [Setting up Parameter Store](https://docs.aws.amazon.com/systems-manager/latest/userguide/parameter-store-setting-up.html)
* [Working with Parameter Store](https://docs.aws.amazon.com/systems-manager/latest/userguide/parameter-store-working-with.html)
* [AWS Systems Manager Parameter Store Introduction (video)](https://www.youtube.com/watch?v=3FUpyzc_raI)

### [AWS Systems Manager Parameter Store Tutorial (video)](https://www.youtube.com/watch?v=zxi3M_rIE2k)

### [AWS Systems Manager Parameter Store | Concept | Demo (video)](https://www.youtube.com/watch?v=lDbq4_6DLxo)