

AWS SYSTEMS

MANAGER PARAMETER STORE

SECURE, CENTRALIZED
STORAGE FOR
CONFIGURATION AND
SECRETS

WHAT IS PARAMETER STORE?

- Part of AWS Systems Manager.
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- Centralized service for storing parameters (plaintext & encrypted).
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- Supports configuration data and secrets management.
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- Integrated with AWS KMS for encryption.
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KEY FEATURES

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KEY FEATURES

- Hierarchical parameter storage
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- SecureString parameters (encrypted)
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- Version tracking and history
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- Fine-grained access control via IAM
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- Native AWS CLI & SDK integration

BENEFITS

- No additional cost for standard parameters.
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- Simple key-value management.
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- Secure and centralized storage.
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- Automated configuration management.
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- Easily retrieve secrets during deployments.

Use Cases

STORE API KEYS, DATABASE PASSWORDS,
AND CONFIGURATION VALUES
INJECT SECRETS DURING CI/CD PIPELINES
USE IN LAMBDA, EC2, ECS FOR DYNAMIC
CONFIGURATION
REPLACE HARDCODED CREDENTIALS IN
APPLICATIONS

Pricing Overview

- Standard Parameters: Free.
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- Advanced Parameters: Charged per parameter per month.
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- KMS encryption charges apply for SecureStrings.

Best Practices

- Use SecureStrings for sensitive data.
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- Set IAM policies to restrict access.
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- Rotate secrets regularly.
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- Use parameter versioning for tracking changes.

Conclusion

SIMPLIFIES SECRET AND
CONFIGURATION MANAGEMENT.

ENHANCES SECURITY WITH
ENCRYPTION AND IAM.

SCALABLE AND INTEGRATED
ACROSS AWS SERVICES.