
AWS
re:Invent

DOP305

Upgrading your productivity with the AWS CLI version 2

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Software Development Engineer
AWS

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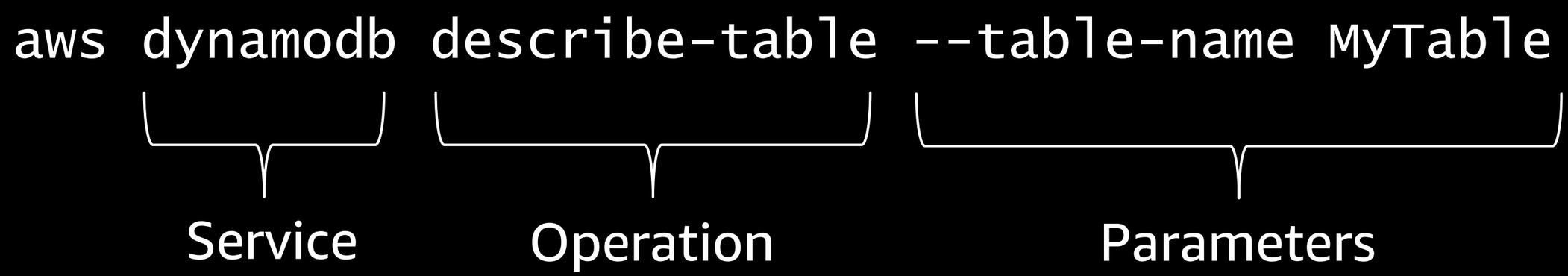
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Sample AWS CLI command

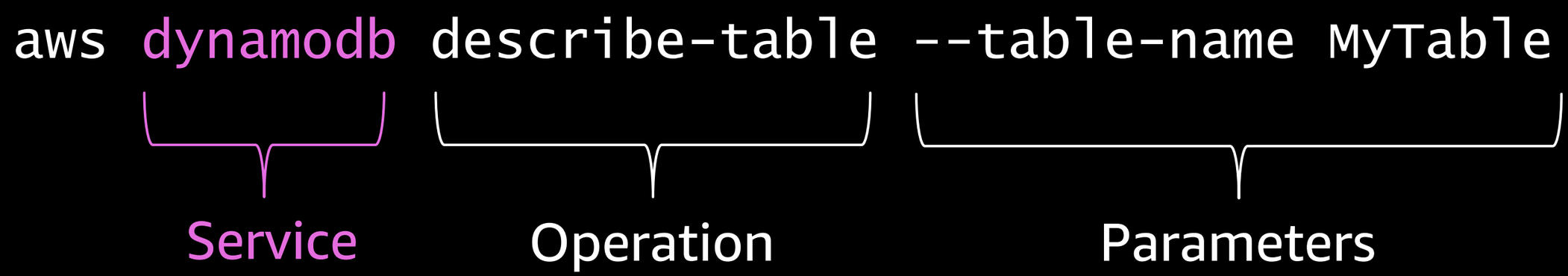
Sample AWS CLI command

```
aws dynamodb describe-table --table-name MyTable
```

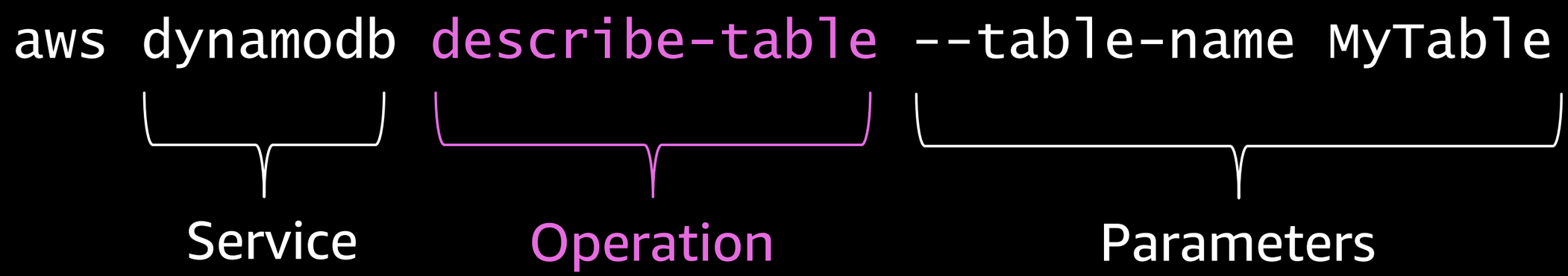
Sample AWS CLI command



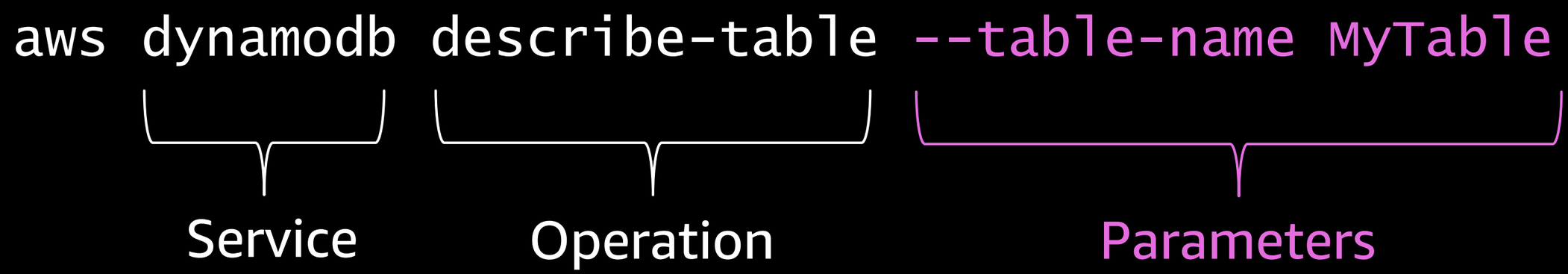
Sample AWS CLI command



Sample AWS CLI command



Sample AWS CLI command



AWS CLI version 2



- Latest major version of the AWS CLI
- Generally available
- Small backwards incompatible changes when upgrading from AWS CLI version 1
- Significant productivity improvements

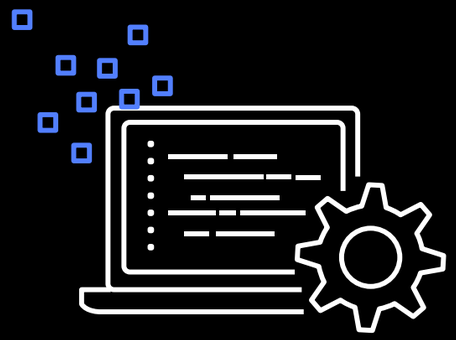
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Outline

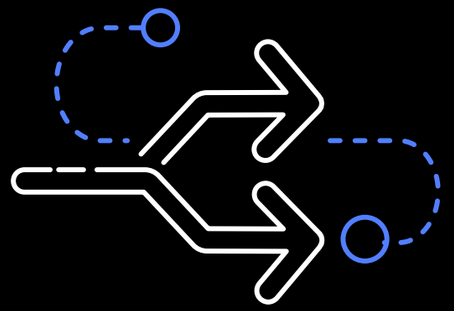
AWS CLI version 2 features



Upgrading to AWS CLI version 2



Wizards

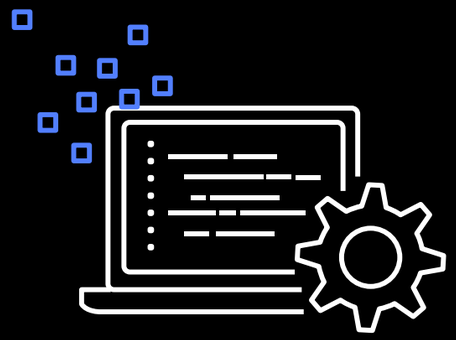


Auto-prompt mode



Higher-level commands

Outline

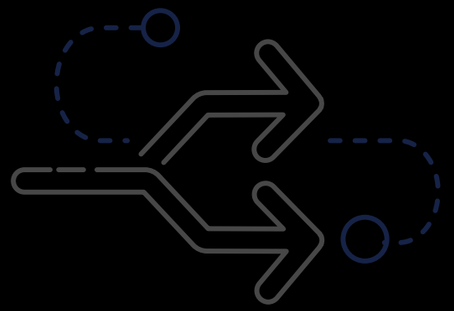


Upgrading to AWS CLI version 2

AWS CLI version 2 features



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Higher-level commands

AWS CLI version 2 installation mechanisms

Installer	Supported operating system
 Executable installer (x86_64, aarch64)	Linux
 PKG installer	MacOS
 MSI installer	Windows
 Docker image	Linux, MacOS, Windows

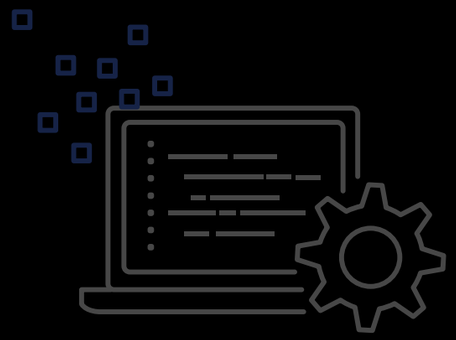
Notable backwards incompatible changes

- No longer fetches values with `http://` or `https://` prefixes
- Command output redirected to a pager (e.g., `less`)
- Base64-encoded input for blob / binary parameters
- ISO 8601 for all timestamps
- More consistent return codes
- `s3 cp/sync` copies Amazon S3 object metadata
- `ecr get-login` replaced by `ecr get-login-password`

https://docs.aws.amazon.com/cli/latest/userguide/cliv2-migration.html

Outline

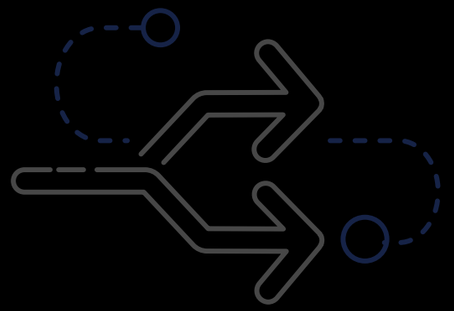
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Wizard usage

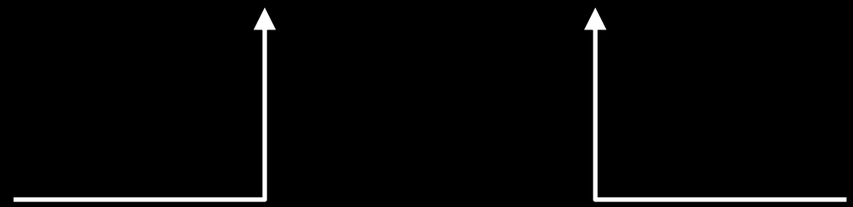
```
aws dynamodb wizard new-table
```

Wizard usage

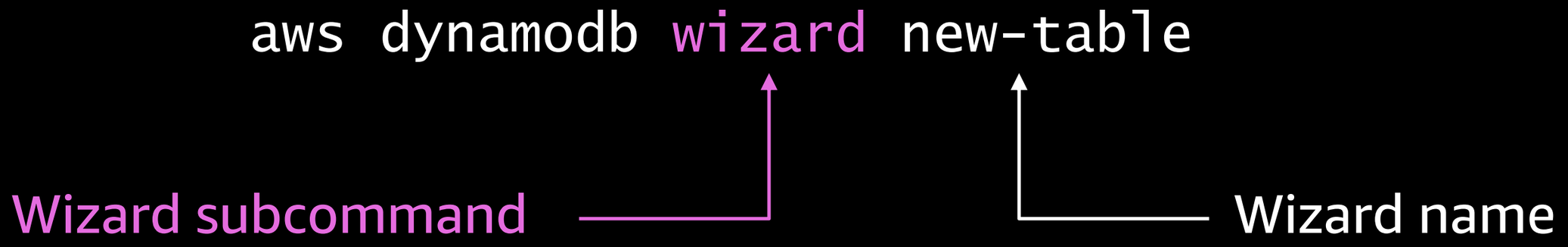
```
aws dynamodb wizard new-table
```

Wizard subcommand

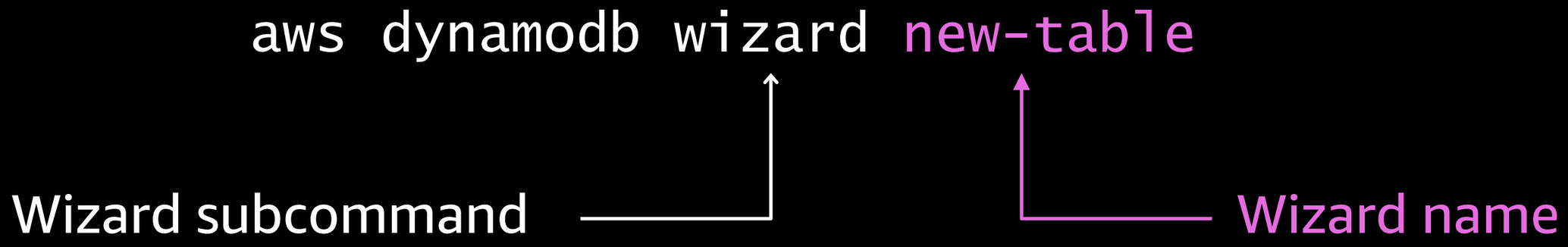
Wizard name



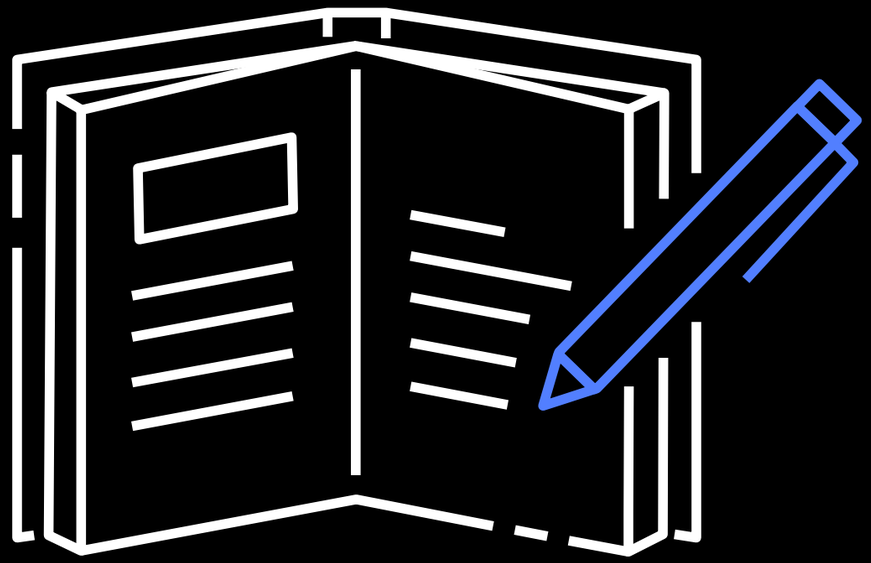
Wizard usage



Wizard usage



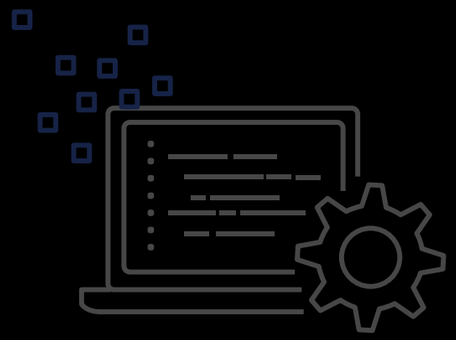
Recap: Wizards



- Available through `wizard` subcommands
- Helps guide through accomplishing various AWS tasks
- Use as a tool to better learn the AWS service API and automate

Outline

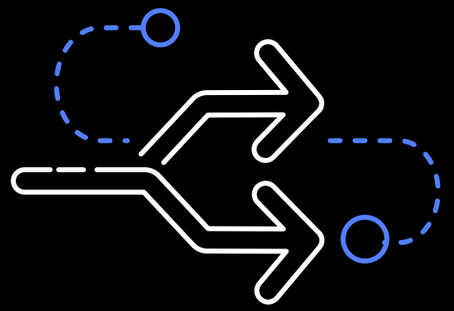
AWS CLI version 2 features



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Wizards



Auto-prompt mode



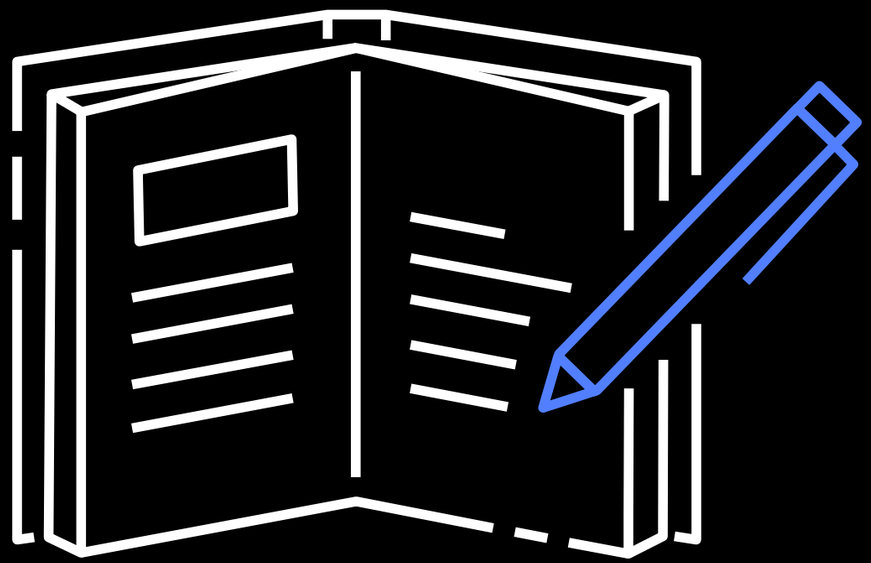
Higher-level commands

Auto-prompt mode



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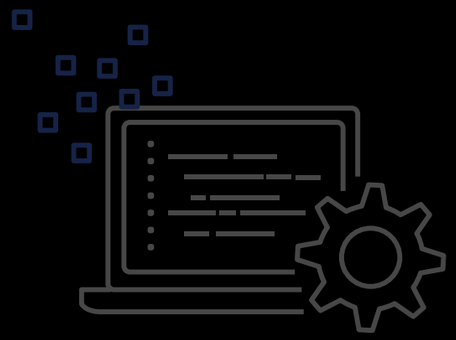
Recap: Auto-prompt mode



- Mode allows you to more quickly discover and construct AWS CLI commands
- Can use `--cli-auto-prompt` with any AWS CLI command
- aws configure set cli_auto_prompt on

Outline

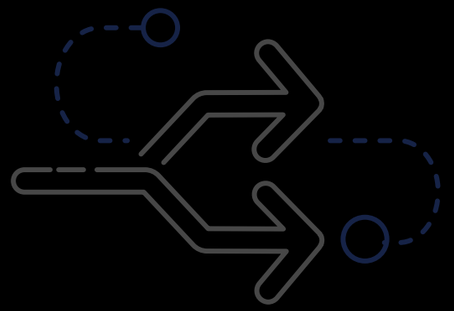
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Higher-level commands

Higher-level commands



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AWS CLI version 2–only higher-level commands

Amazon DynamoDB	`aws ddb put` `aws ddb select`
Amazon CloudWatch logs	`aws logs tail`

AWS Single Sign-On (SSO)	`aws configure sso`
	`aws sso login`
	`aws sso logout`

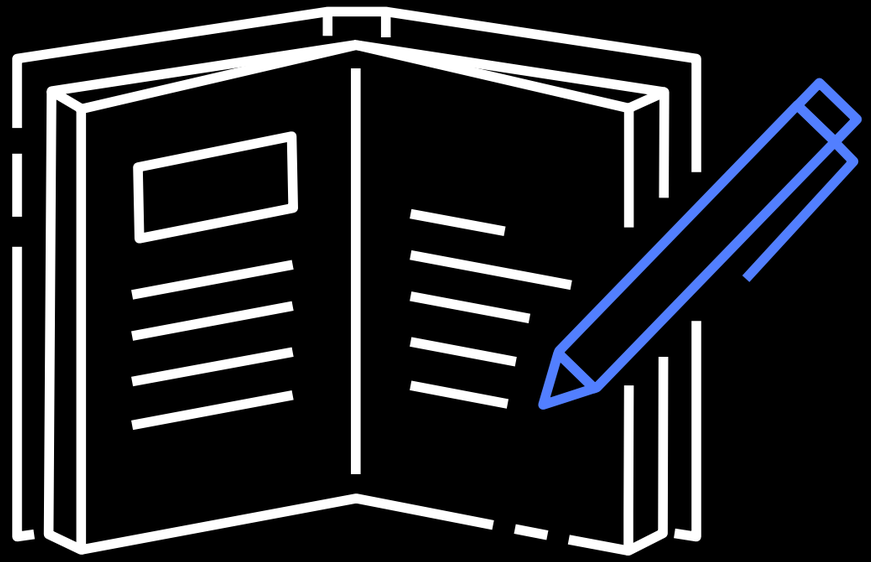
Wrapping up



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Recap: Overall



- AWS CLI version 2 installers
- `wizard` commands
- `--cli-auto-prompt`
- New higher-level commands

Other AWS CLI version 2 features

- `aws configure wizard`
- `aws configure list-profiles`
- `aws configure import`
- AWS SSO authentication
- YAML I/O support
- Improved tab completion (faster with server-side completions)
- Automatic redirection to a pager

Helpful links

AWS CLI user guide

https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-welcome.html

AWS CLI version 2 migration guide

https://docs.aws.amazon.com/cli/latest/userguide/cliv2-migration.html

AWS CLI GitHub repository

https://github.com/aws/aws-cli

Thank you!

Kyle Knapp (@thekyleknapp)

Software Development Engineer
AWS

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