

Backups in AWS S3

With use of AWS CLI



AWS Simple Storage Service

About

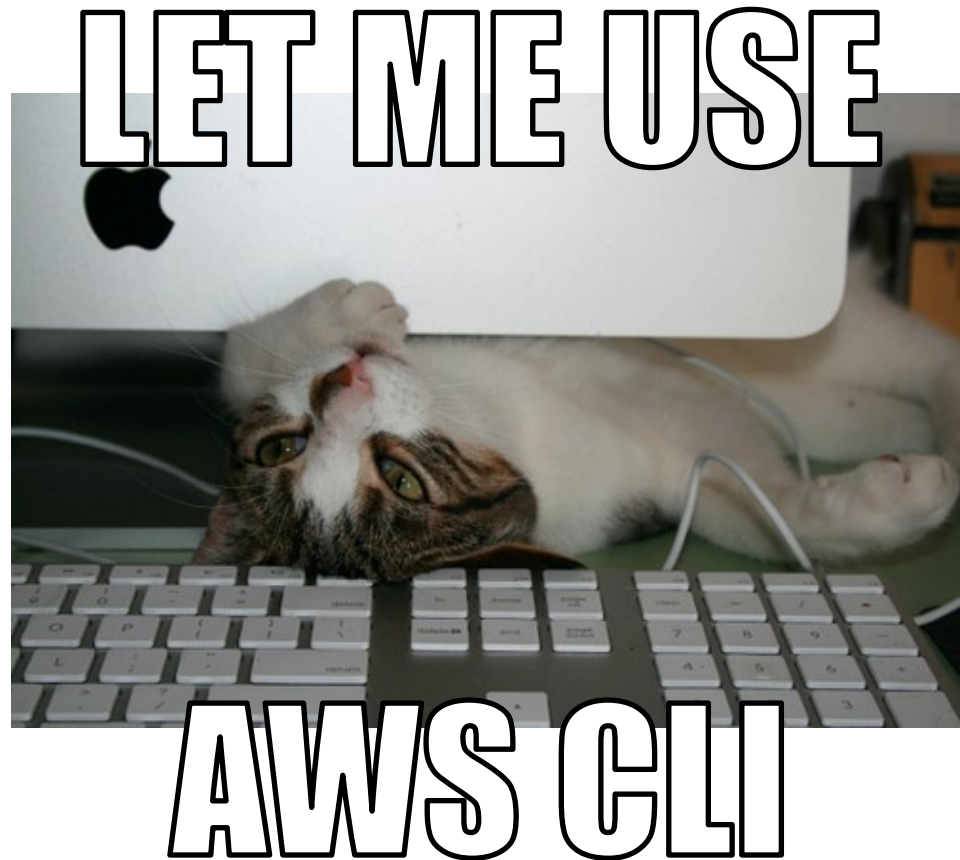
- **Object Storage** where objects are stored in **Buckets**
- Multiple Buckets per Account
- Transport is secured with **SSL**
- **Server Side Encryption** support (AES-256 key)
- Versioning, object lifecycle and static file hosting support
- Three storage classes:
 - Standard
 - Infrequent Access
 - Glacier



AWS CLI

What is it?

- Unified Tool to manage AWS services
- Key benefits:
 - **Manages** most of AWS services
 - **Multiple** configuration profiles
 - **Multiplatform**
- Written in Python
- Ready to use inside Amazon Linux AMI
- Webpage: <https://aws.amazon.com/cli/>



AWS CLI

Configuration

- Installation:

```
sudo pip install awscli
```

- Configuration of “default” profile:

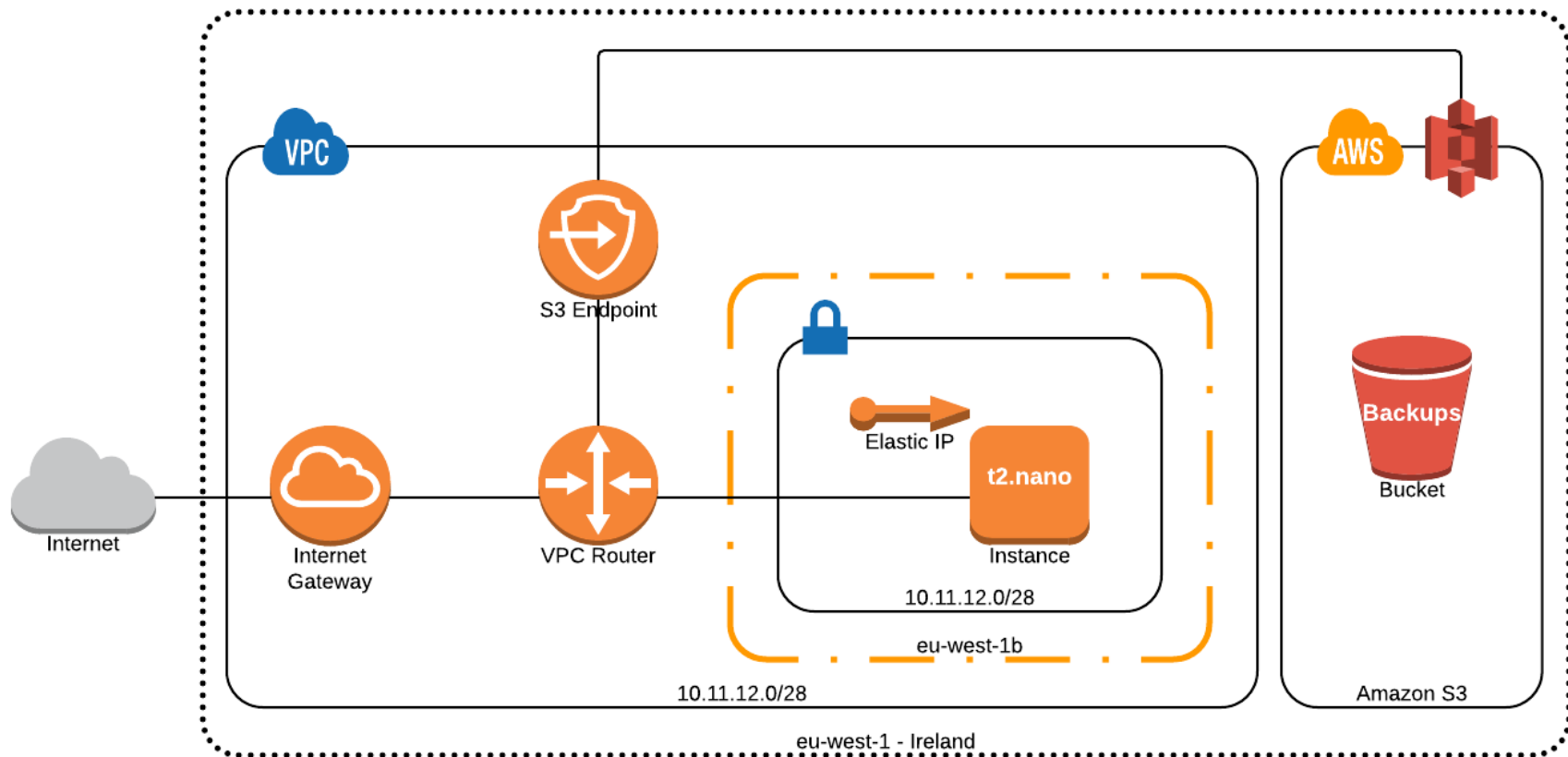
```
aws configure
```

- Configuration files:

- ~/.aws/config
- ~/.aws/credentials



DEMO



EC2 Roles

Create IAM EC2 Role and policy

Create EC2 Instance and assign Role

Application asks for temporary credentials

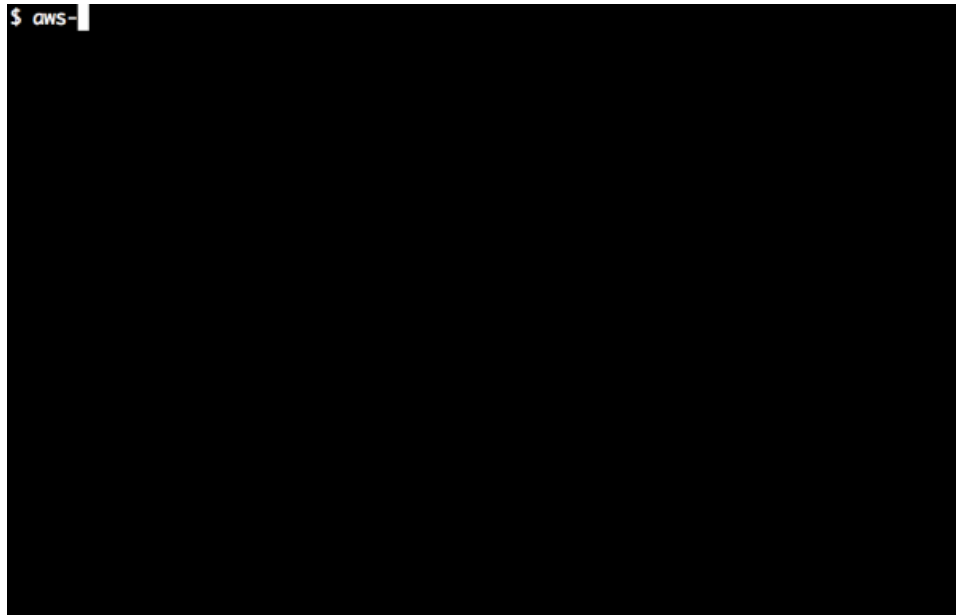
With temporary credentials
Application manages AWS services

BONUS

AWS-SHELL

- Interactive shell for AWS CLI
- Currently in Developer Preview Mode
- Features:
 - Auto completion
 - Inline documentation
 - Command history
- Installation:

```
sudo pip install aws-shell
```
- GitHub: <https://github.com/aws-labs/aws-shell>



Thank you

For more information contact:

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