

The Challenge

Your challenge is to develop an AWS S3 storage analysis tool. To test your tool, you will have to create a free [Amazon](#) account (if you don't already have one).

Specifications

The tool is a shell command line utility (could be either Mac or Linux) that returns informations over all S3 buckets in an Amazon account.

The tool must returns the following informations:

- Bucket name
- Creation date (of the bucket)
- Number of files
- Total size of files
- Last modified date (most recent file of a bucket)

The following options should be supported:

- Ability to get the size results in bytes, KB, MB, ...
- Organize the information by storage type (Standard, IA, RR)
- Filter the results in a list of buckets (bonus point for regex support)
- Ability to group information by regions

Some additional features that could be useful (optional)

Some statistics to check the percentage of space used by a bucket, or any other good ideas you could have, are more than welcome.

Rules

- You are free to use the programming language and the SDK of your choice.
- The overall performance of your tool will be evaluated.
- Your code must be made available as a git fork.

Advices

- Try to design and implement your solution as you would do for real production code. Create clean, maintainable code. This is not a programming contest where dirty hacks win the game.
- Feel free to add more features! Really, I'm curious about what you can think of. I'd expect the same if you worked with us.
- Documentation and maintainability is a plus.
- Don't you forget those unit tests.