

How to run all scripts in a directory on Linux

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Question: I have a bunch of scripts in a directory. I want to automatically run all the scripts in the directory, regardless of how many these are.

If you want to **run all scripts or executable binaries in a particular directory**, you can use a command line utility called `run-parts`. This tool can automatically discover multiple scripts or programs in a directory, and run them all.

You can use `run-parts` command in the following format.

```
$ run-parts [options]
```

Scripts found in a directory will be run one by one in a lexically sorted order. `run-parts` will execute all the scripts whose names consist of alphanumeric letters, underscores and hyphens.

For example, to run all scripts in the current directory:

```
$ run-parts .
```

Optionally, you can run only those scripts whose names are matched with a regular expression. For that, use "--regex" option.

For example, to run all scripts in `/etc` whose names start with 'a' and end with '.sh':

```
$ run-parts --regex '^a.*\.sh$' /etc
```

With "--test" option, you can print the names of the scripts which would be executed, without actually running them. This is useful for testing purpose.

```
$ run-parts --test ./my_script_directory
```