# Contributing

For general contribution and community guidelines, please see the [community repo](https://github.com/cyberark/community).

Thanks for your interest in bash-lib. Before contributing, please take a

moment to read and sign our [Contributor

Agreement](CyberArk\_Open\_Source\_Contributor\_Agreement.pdf). This provides

patent protection for all bash-lib users and allows CyberArk to

enforce its license terms. Please email a signed copy to <a

href="oss@cyberark.com">oss@cyberark.com</a>

Contributed bash functions are most welcome! The more we share the less we

duplicate each other. In order to keep this repo tidy, every function must be

documented in the readme and tested, the lint scripts enforce these rules.

1. Add the libraries or functions that you need

2. Add BATS tests for all new top level functions

3. Add descriptions for each function to the contents table in this readme

4. Run ./run-tests to ensure all tests pass before submitting

5. Create a PR

6. Wait for review

## Style Guide

Follow the [google shell style guide](https://google.github.io/styleguide/shell.xml#Naming\_Conventions).

TL;DR:

1. Use snake\_case function and variable names

1. Use `function` when declaring functions.

1. Don't use .sh extensions

## Testing

Tests are written using [BATS](https://github.com/bats-core/bats). Each lib has a `lib-name.bats` file in [tests-for-this-repo](/tests-for-this-repo).

Asserts are provided by [bats-assert-1](https://github.com/jasonkarns/bats-assert-1). Asserts provide useful debugging output when the assertion fails, eg expected x got y.

Example:

```bash

# source support and assert libraries

. "${BASH\_LIB\_DIR}/test-utils/bats-support/load.bash"

. "${BASH\_LIB\_DIR}/test-utils/bats-assert-1/load.bash"

# source the library under test

. "${BASH\_LIB\_DIR}/git/lib"

# define a test that calls a library function

@test "it does the thing" {

some\_prep\_work

# run is a wrapper that catches failures so that assertsions can be run,

# otherwise the test would immediately fail.

run does\_the\_thing

assert\_success

assert\_output "thing done"

}

```

Test fixtures should go in /tests-for-this-repo/[fixtures](tests-for-this-repo/fixtures)/lib-name.