Experiment 10 (Docker - Managing Log Files)

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In the background, there is an instance of Redis running with the name redis-server.

Using the Docker client, we can access the standard out and standard error outputs using the following command

```
5 dxxker run -d --name redin-server redin
sef4k2f5bd70an4c5200012db9de4f7c6a2606f5bfBd220aBd3ec5ef9la554f3
5
5 dxxker logs redin-server
1:C 02 May 16:36:32.341 # dc00o000c0000 Bedin in starting e00Ce00oo00c
1:C 02 May 16:36:32.342 # Hedin version-4.0.11, bits-64, commit-00000000, modified-0, pid-1, just started
1:C 02 May 16:36:32.343 # Warning; no config file specified, using the default config. In order to specify a config file use redin-server /path/to/redin.conf
1:M 02 May 16:36:32.344 * Marning; no config file specified, using the default config. In order to specify a config file use redin-server /path/to/redin.conf
1:M 02 May 16:36:32.344 * WARNING; The TCF backlog setting of 511 cannot be enforced because /proc/sys/net/core/semaxconn is set to the lower value of 128.
1:M 02 May 16:36:32.344 # WARNING overcommit memory is set to 01 Background save may fail under low memory condition. To fix this issue and 'vm.overcommit memory - 1' to /etc/sysctl.conf and then reboot or run the command 'sysctl vm.overcommit nemory -1' for this to take effect.
1:M 02 May 16:36:32.344 # WARNING you have Transparent fluge Pages (TSIP) support enabled in your kernel. This will create late now and memory usage issues with Hedin. To fix this issue run the command 'echo never > /sys/kernel/sm/transparent hopepage/e nabled 'as root, and add it to your /etc/rc.local in order to retain the setting after a reboot. Bedin must be restarted after TSIP is disabled.
1:M 02 May 16:36:32.344 * Ready to accept connections
```

The command below will redirect the redis logs to syslog

```
$ docker run -d --name redis-syslog --log-driver-syslog redis
86f91f67d38284a393426da26ad2c926916a030ee9662230a7a375741b285e76
```

When the container is launched, no output will be logged when we set log-driver to

```
$ docker run -d --name redis-none --log-driver-none redis
3e9c553cbc2448baf65d92f22a66c26808406ec0dd15a5ca24a4bc50c1739b04
```

The commands below will output the LogConfig section for each of the containers.

```
$ docker inspect --format '{{ .HostConfig.LogConfig }}' redis-server
{ json-file map[]}
$ docker inspect --format '{{ .HostConfig.LogConfig }}' redis-syslog
{ syslog map[]}
$ docker inspect --format '{{ .HostConfig.LogConfig }}' redis-none
{ none map[]}
```