

002. CI/CD Alibaba Delivery fail 관련 Trouble shooting

현재 package aliyun delivery Job 실패시 나타나는 로그

```
1 Running with gitlab-runner 13.2.1 (efa30e33)
2 on gitlab-gitlab-runner-6d66b8d688-fs94l xDzAMY7P
3 Preparing the "kubernetes" executor
4 Using Kubernetes namespace: gitlab
5 Using Kubernetes executor with image docker:stable ...
7 Preparing environment
8 Waiting for pod gitlab/runner-xdzamy7p-project-42-concurrent-0hfhz8 to be running, status is Pending
9 Running on runner-xdzamy7p-project-42-concurrent-0hfhz8 via gitlab-gitlab-runner-6d66b8d688-fs94l...
11 Getting source from Git repository
12 Fetching changes with git depth set to 50...
13 Initialized empty Git repository in /builds/safety/r3-backend/.git/
14 Created fresh repository.
15 Checking out 0f38e777 as master...
16 Skipping Git submodules setup
18 Executing "step_script" stage of the job script
19 $ mkdir -p ~/.aws
20 $ mkdir -p ~/.docker
21 $ touch ~/.docker/config.json
22 $ echo "[default]\naws_access_key_id=${AWS_ACCESS_KEY_ID}\naws_secret_access_key=${AWS_SECRET_ACCESS_KEY}" > ~/.aws/credentials
23 $ docker run --rm -v ~/.aws:/root/.aws amazon/aws-cli ecr get-login-password | docker login --username AWS --password-stdin $
24 WARNING: Error loading config file: /root/.docker/config.json: EOF
25 WARNING: Error loading config file: /root/.docker/config.json: EOF
26 docker: Cannot connect to the Docker daemon at tcp://docker:2375. Is the docker daemon running?.
27 See 'docker run --help'.
28 Error: Cannot perform an interactive login from a non TTY device
30 ERROR: Job failed: command terminated with exit code 1
```

아래와 같이 **"Error loading config file: /root/.docker/config.json: EOF"** docker config 파일을 로딩하는데 발생하는 경고가 잡히나 이는 이전부터 계속 발생했던 로그로 파악, EOF 관련 문제라 필요한 설정은 정상적으로 읽었을 것으로 추정됩니다.

```
$ echo "[default]\naws_access_key_id=${AWS_ACCESS_KEY_ID}\naws_secret_access_key=${AWS_SECRET_ACCESS_KEY}" > ~/.aws/credentials
$ docker run --rm -v ~/.aws:/root/.aws amazon/aws-cli ecr get-login-password | docker login --username AWS --password-stdin $AWS_REGISTRY
WARNING: Error loading config file: /root/.docker/config.json: EOF
WARNING: Error loading config file: /root/.docker/config.json: EOF
```

아래의 로그에서 원인을 추정 해 보면

```
26 docker: Cannot connect to the Docker daemon at tcp://docker:2375. Is the docker daemon running?.
27 See 'docker run --help'.
28 Error: Cannot perform an interactive login from a non TTY device
30 ERROR: Job failed: command terminated with exit code 1
```

(1) docker: Cannot connect to the Docker daemon at tcp://docker:2375. Is the docker daemon running?.

<https://gitlab.com/gitlab-org/gitlab-foss/-/issues/64959>, <https://gitlab.com/gitlab-org/gitlab-runner/-/issues/1986> 링크에서 해결 가능한 이슈로 DinD (Docker in Docker)

아래의 방법으로 해결 가능하다고 합니다.

Hotfix for runners "you" control:

```
# config.toml
[[runners]]
  environment = ["DOCKER_TLS_CERTDIR="]
```

maybe something gitlab wants to roll across the fleet...

Hotfix for projects "you" control:

```
# .gitlab-ci.yml
variables:
  DOCKER_TLS_CERTDIR: ""
```

하지만 이미 아래와 같이 설정이 들어가 있습니다.

```

delivery:main:
  stage: package aliyun delivery
  cache: {}
  image:
    name: docker:stable
  services:
    - docker:dind
  variables:
    DOCKER_HOST: tcp://docker:2375
    DOCKER_TLS_CERTDIR: ""
    DOCKER_DRIVER: overlay2
    AWS_DEFAULT_REGION: ap-northeast-2
    AWS_REGISTRY: 985839067798.dkr.ecr.ap-northeast-2.amazonaws.com
    ALIYUN_REGISTRY: registry-intl.cn-shanghai.aliyuncs.com

```

(2) Error: Cannot perform an interactive login from a non TTY device

이 경우는 답변이 aws-cli 버전2를 사용하면 된다는 것이 많았는데 아래 스택오버플로우 링크가 조금 더 정확한 원인과 해결법을 정리하고 있습니다.

<https://stackoverflow.com/questions/60583847/aws-ecr-saying-cannot-perform-an-interactive-login-from-a-non-tty-device-after>

현재 CI/CD에서 아래와 같이 aws-cli로 ecr을 통해 docker에 로그인을 하고 있는데

```

$ touch ~/.docker/config.json
$ echo "[default]\naws_access_key_id=${AWS_ACCESS_KEY_ID}\naws_secret_access_key=${AWS_SECRET_ACCESS_KEY}" > ~/.aws/credentials
$ docker run --rm -v ~/.aws:/root/.aws amazon/aws-cli ecr get-login-password | docker login --username AWS --password-stdin $AWS_REGISTRY

```

도커 버전이 바뀌거나 하는 이유등으로 로그인이 실패하고 **"Error: Cannot perform an interactive login from a non TTY device"**와 같은 로그가 발생하고

로그인이 실패하여 Alibaba에 있는 Docker 인스턴스에 접속을 할 수 없어 아래와 같은 로그를 깃랩에서 띄웠을 것으로 추정합니다.

```

25 WARNING: Error loading config file: /root/.docker/config.json: EOF
26 docker: Cannot connect to the Docker daemon at tcp://docker:2375. Is the docker daemon running?.
27 See 'docker run --help'.

```

해결법은 아래와 같이 -p 옵션을 사용하는 방법이라고 하며 -p 옵션을 통해 로그인 하기 위해 aws-cli2가 필요하다고 합니다.



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The problem is not aws but docker. The solution is on docker to use the -p parameter, and wrap the aws login call to the -p parameter as such:

```
docker login -u AWS -p $(aws ecr get-login-password --region the-region-you-are-in)
```

And this requires AWS CLI version 2.

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answered May 17 '20 at 15:30



[Devin Dixon](#)

8,613 ●18 ●68 ●135

1 This was the perfect solution for me. – [Johnathan Hair](#) Jul 8 '20 at 23:04

This should be the accepted solution. The accepted solution did not work for me. – [James G](#) Oct 30 '20 at 0:33

Works perfectly. – [KnowYourElements](#) Dec 22 '20 at 5:20