



```

        ],
    )
except (NoCredentialsError, PartialCredentialsError) as e:
    print(f"Credentials error: {e}")
except Exception as e:
    print(f"Error sending log to CloudWatch: {e}")

```

2. logging\_to\_cloudwatch.py 파일을 생성해줍니다.

```

import logging
import cloudwatch_handler

def log(path, stream_name):
    # CloudWatchHandler 생성
    handler = cloudwatch_handler.cloudwatch_handler()
    # 로깅 설정
    # logging.basicConfig(level=logging.INFO)

    logger = logging.getLogger(__name__)
    logger.setLevel(logging.DEBUG)
    handler.set_init(path, stream_name)
    handler.setLevel(logging.DEBUG)
    formatter = logging.Formatter("[%levelname)s] %(message)s",
    datefmt="%Y-%m-%d %H:%M:%S")
    handler.setFormatter(formatter)
    logger.addHandler(handler)

    return logger

```

3. 아래코드를 각 크롤러의 메인 파일에 추가해주시고 함수에 로그를 추가해주시시오

```

import logging
import logging_to_cloudwatch as ltc

logger = ltc.log('/aws/lambda/{cloudwatch의
크롤러폴더}', '{크롤러명}_logs')

```

예시)

```

def company_code(payload):
    logger.info("Collecting company_code start")
    ...

```

```

        logger.info("Collecting company_code done")
        return company_num

def job_id(payload):
    logger.info("Collecting job_id start")
    ...
    logger.info("Collecting job_id done")
    return jobid

def makedf(payload, crawl_time):
    logger.info("Collecting make_dataframe start")

    ...
    except Exception as e:
        logger.error(f"An error occurred while collecting data from
{job_url}, error: {str(e)} , continue")
        continue

```

=====

## 실행결과

[INFO] Collecting make\_dataframe start

[INFO] Collecting job\_id start

[INFO] Collecting company\_code start

[INFO] Collecting company\_code done

[INFO] Collecting job\_id done

[ERROR] An error occurred while collecting data from https://career.programmers.co.kr/api/job\_positions/15521, error: 'jobPosition'

[ERROR] An error occurred while collecting data from https://career.programmers.co.kr/api/job\_positions/15249, error: 'jobPosition'

[ERROR] An error occurred while collecting data from https://career.programmers.co.kr/api/job\_positions/15250, error: 'jobPosition'

[ERROR] An error occurred while collecting data from https://career.programmers.co.kr/api/job\_positions/15261, error: 'jobPosition'

[ERROR] An error occurred while collecting data from https://career.programmers.co.kr/api/job\_positions/15258, error: 'jobPosition'

[ERROR] Error loading offset: name 'crawl\_time' is not defined