




```
def lambda_handler(event, context):
    # 1: read data from the bucket
    # Get bucket and object key from the S3 event trigger
    record = event['Records'][0]
    bucket_name = record['s3']['bucket']['name']
    input_key = record['s3']['object']['key']

    print(f"🔥 Triggered by: s3://{bucket_name}/{input_key}")

    # Step 2: Read log data
    raw_logs = read_log_from_s3(bucket_name, input_key)

    # Split the log entries using the delimiter
    entries = [entry.strip() for entry in raw_logs.split('---') if entry.strip()]

    # Regex pattern to extract data
    log_pattern = re.compile(
        r'(?P<timestamp>\d{4}-\d{2}-\d{2} \d{2}:\d{2}:\d{2}) \[(?P<log_level>[A-Za-z0-9_]+\)] '
        r'(?P<component>[^\s]+) - TicketID=(?P<ticket_id>[^\s]+) SessionID=(?P<session_id>[^\s]+\s*'
        r'IP=(?P<ip>.*?) \| ResponseTime=(?P<response_time>-\d+)ms \| CPU=(?P<cpu>[\d.]+)% \| EventType=(?P<event_type>.*?) \| '
        r'UserAgent="(?P<user_agent>.*?)"\s*'
        r'Message="(?P<message>.*?)"\s*'
        r'Debug="(?P<debug>.*?)"\s*'
        r'TraceID=(?P<trace_id>.*?)'
    )
```

<input type="checkbox"/>	 support_logs_2025-07-01.parquet	parquet	November 19, 2025, 16:26:18 (UTC+05:30)	11.4 KB	Standard
<input type="checkbox"/>	 support_logs_2025-07-02.parquet	parquet	November 19, 2025, 16:58:23 (UTC+05:30)	11.5 KB	Standard
<input type="checkbox"/>	 support_logs_2025-07-03.parquet	parquet	November 19, 2025, 16:58:38 (UTC+05:30)	10.8 KB	Standard