Scheduling Templates: Server-less approach for different types of Jobs/Processing using AWS & Snowflake Compute

Big Data and Analytics

Exported on 02/24/2021

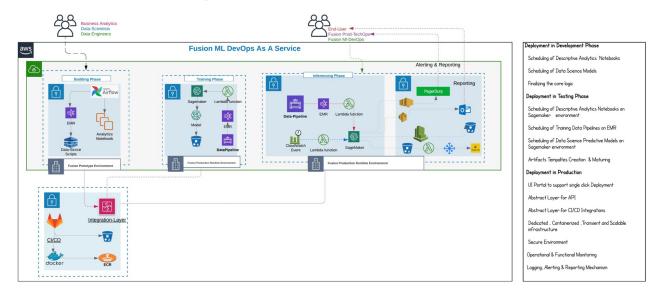
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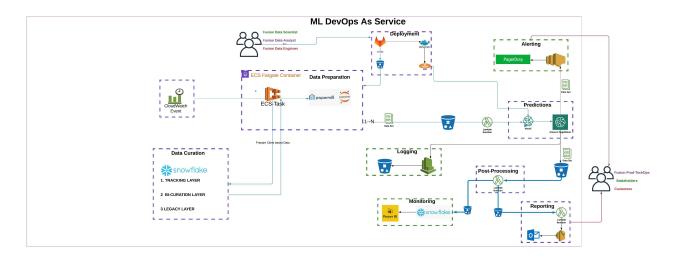
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1 ML Pipelines

1.1 ML Product LifeCycle

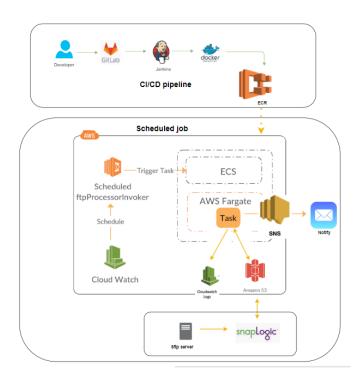


1.2 ML Model Batch Inferencing Pipeline



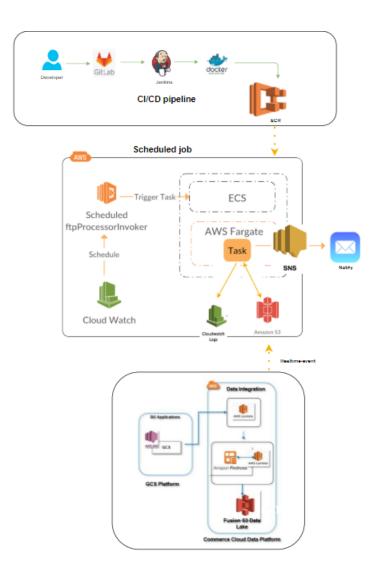
2 Data Analytics Pipelines

2.1 Cron Jobs: Long-running single process job using ECS task Definitions

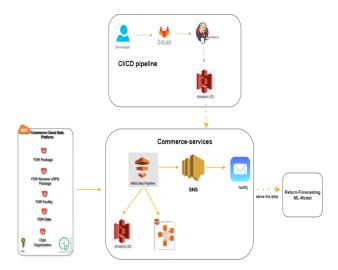


3 Data-Engineering Pipelines

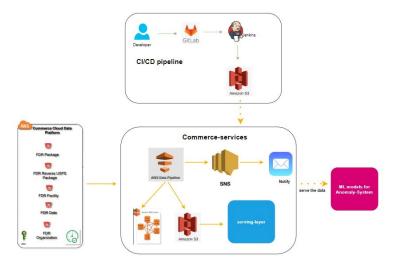
3.1 Realtime processing: Using Streaming



3.2 Historical/Batch Processing



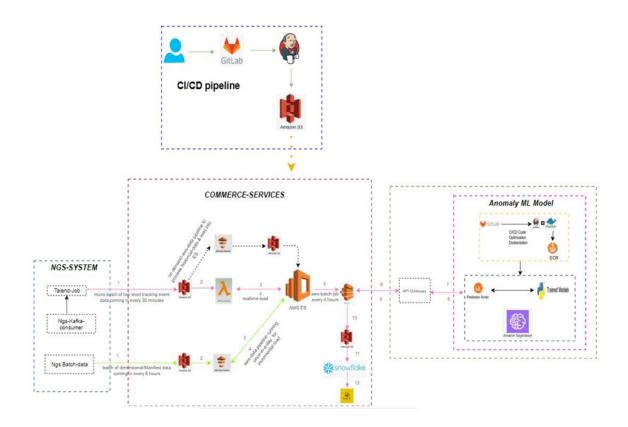
3.3 Training-Data-Pipeline



3.4 **Hybrid Pipeline**

3.5 **Lambda Architecture based Data-Processing**: Lambda Architecture is data-processing architecture designed to handle massive

quantities of data by taking advantage of both batch¹ and stream-processing² methods



¹ https://en.wikipedia.org/wiki/Batch_processing

² https://en.wikipedia.org/wiki/Stream_processing

4 Code Snippet

