AI/ML

CloudML Experiments

Manages Champion Model by Recording and Comparing Experiment Information of AI model learning

CloudML Experiments executes the AI model developed with CloudML Notebook and CloudML Studio to make sure that model learning is carried out seamlessly and check results. A dashboard provides an at-a-glance view of the execution history and status of each model.

Easy View of Experiment Status

Data analyst selects a champion model after recording the experiment information generated during the model learning process. A dashboard provides an at-a-glance view of the execution history and status of each model.
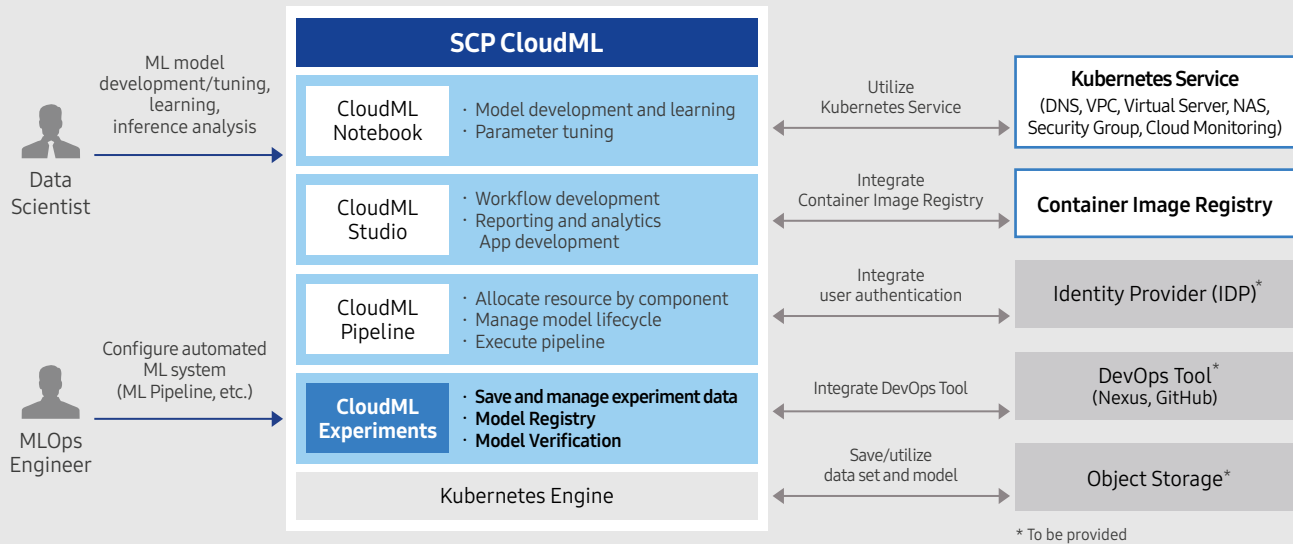
Easy Model Comparison

Managing the entire lifecycle of an AI model, from managing versions and results of ML experiments for each model to comparing and verifying results, is easy.

Central Feature Repository

A fully-managed repository records and shares the traits of the ML model for training and inferences. The recorded features can later be reused for training and inference, cutting the development process that could otherwise take months to a fraction of the time.

Service Architecture

Key Features

- **Provide execution dashboard**
  - View experiment execution list and current status : running, finished, failed
  - View the meta information of project : project ID, user ID, image
  - Entire experiment list and detailed model history

- **Manage and compare MLflow based experiments**
  - Manage entire experiments and view detailed information by model
  - Compare and analyze past experiment history of models for experiment management
  - Model Verification function for model verification
  - Provide Model Registry for managing and distributing model image

Pricing

- **Billing**
  - Requested resource usage time of Kubernetes Engine occupied by CloudML Experiments (vCore/min)