Management subsystem

Definition of use cases

- Optimization goals
- Policies & constraints
- Chaining requirements

Model management

Select (update) the ML model according to the use case, chaining of elements, training...

Model evaluation

Monitor the performance of the selected ML models and decide deployment to production

0. Training data

3. Evaluate model

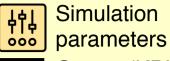
5. Monitoring

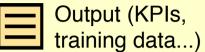
Select model

6. Update model

Sandbox

Simulated network



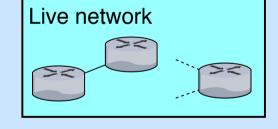


D

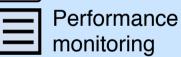
g data...)

• Model execution
• Output distribution

ML Underlay Network



Feature extraction



Models

src C PP M P D sink

ML Marketplace

- Host & deliver ML models
- Update ML models

4. Push mode

Meta-

data

2. Push model

Policy

ML Pipeline

Data collection

Pre-processing