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

Sandbox controller

Deploy simulation environments, configure sim. parameters, collect training data, process output

2. Setup simulation environment

5. Evaluate model

1. Feature extraction

7. Monitoring

Select model

8. Update model

Sim. Metadata

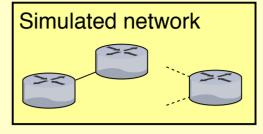
Deployment tools

Execution controller

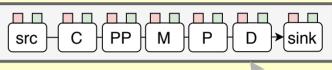
Interop. plugin

nterop. plugin

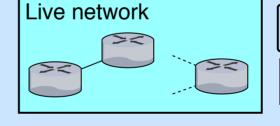
Sandbox



Simulation parameters
Output (KPIs, training data...)



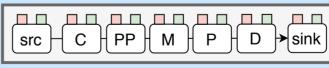
ML Underlay Network



Feature extraction

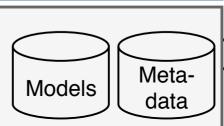


Performance monitoring



ML Marketplace

- Host & deliver ML models
- Update ML models



ML Pipeline

- Data collection
- Pre-processing
- Policy

Push mode

Push model

- Model execution
- Output distribution