

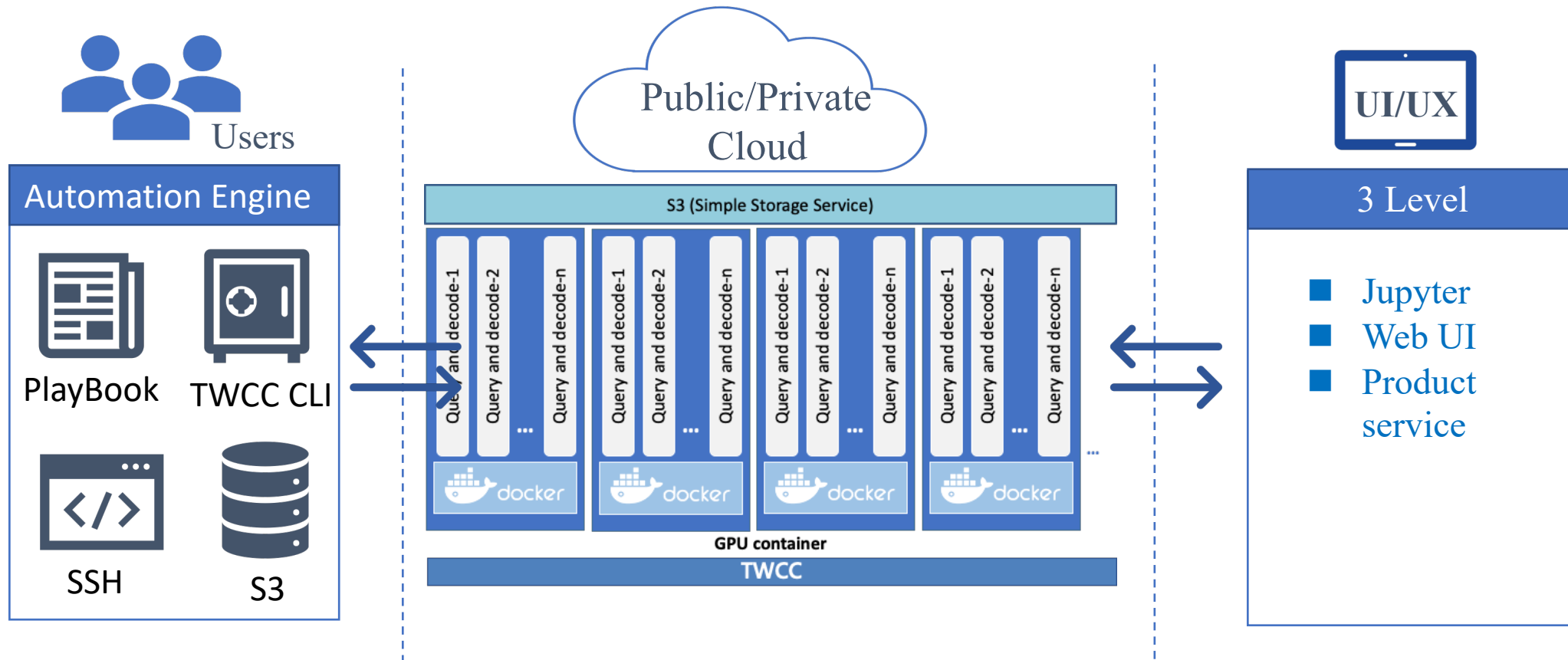
# NCHC@TWCC industrial service

Unimicron training platform

2020-06-16

# Interactive training UI

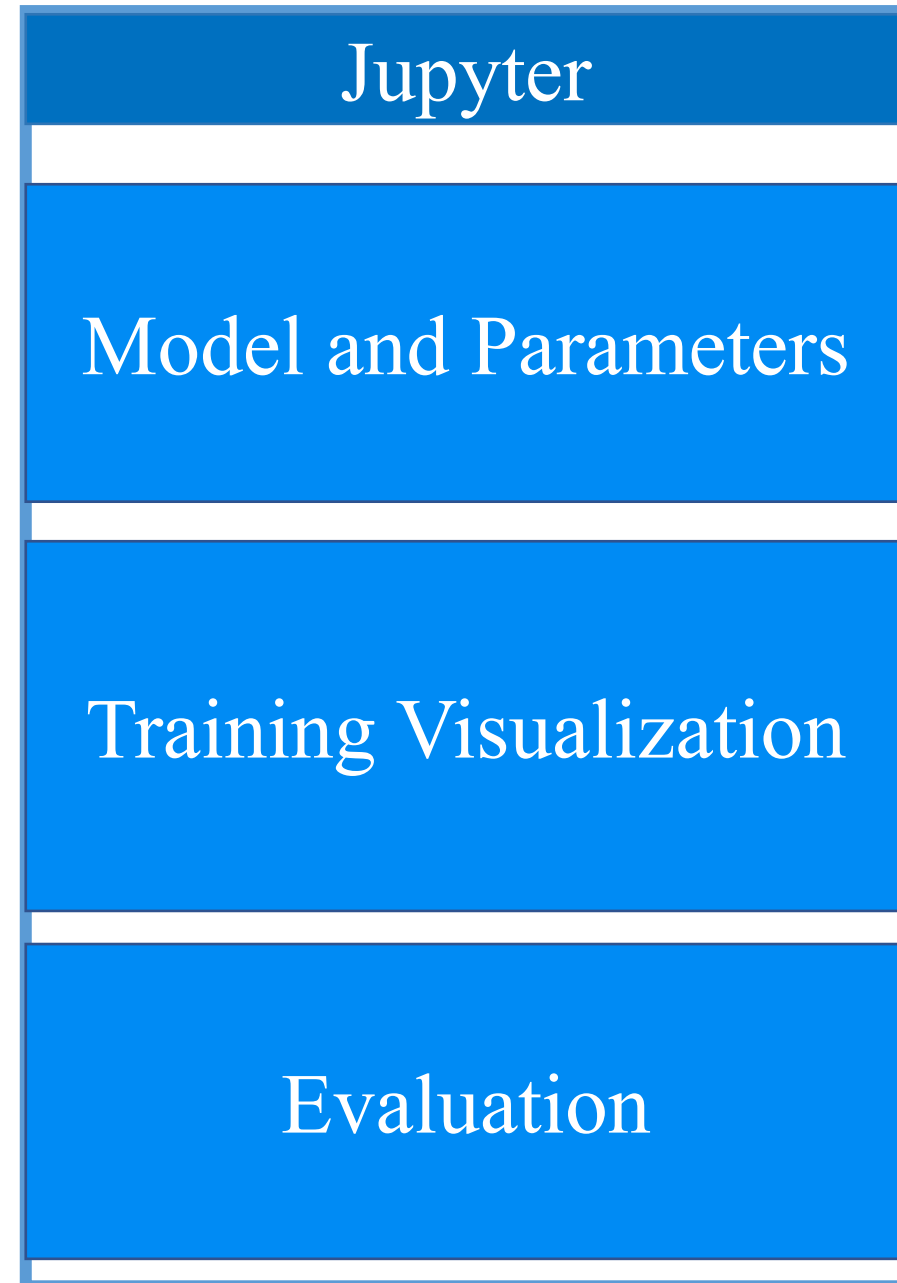
- **Workflow overview**



# Interactive training UI

- **Interactive CNN model training interface**

1. Model and Parameters
  - Simple interactive GUI
2. Training Visualization
  - Embedded plot/TensorBoard
3. Evaluation
  - Performance index
  - Feature map
  - etc.

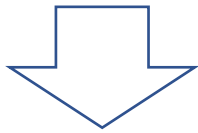


# 1. Model and Parameters

## Model Selection

Model\_Name

Selected : ResNet101



- VGG16
- VGG19
- MobileNetV1
- MobileNetV2
- ResNet50
- ✓ ResNet101
- ResNet152
- InceptionV3

Model\_Name

Selected

## Parameter Selection

steps  0.60

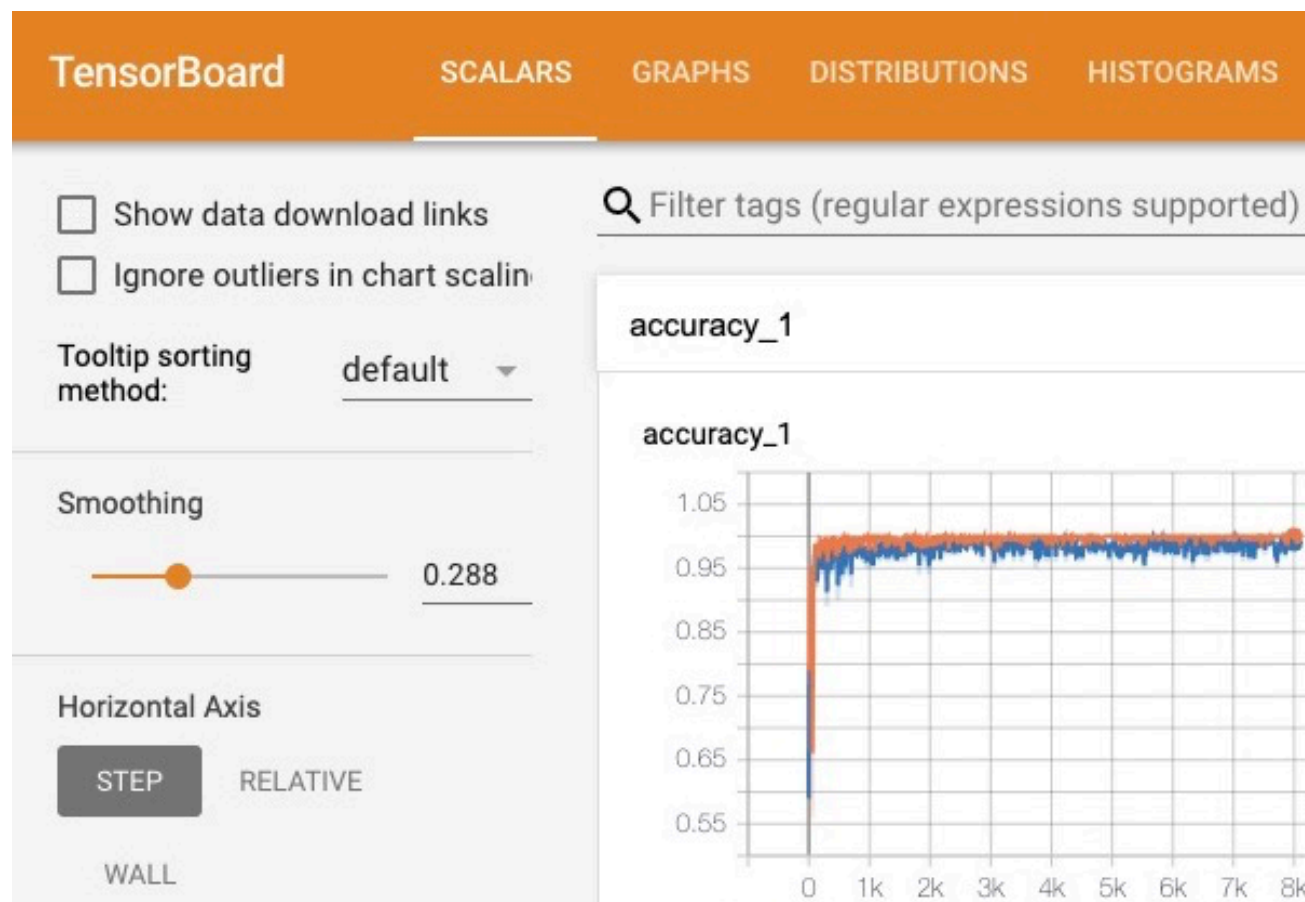
batch  1.00

lr  0.10

aug  1.50

## 2. Training Visualization

- TensorBoard
- or Inline plot/display



# 3. Evaluation

- Interpretability: CAM
- Performance metric: Accuracy, Precision, Recall, F1 score