AI/ML approach to Accelerating Product Verification
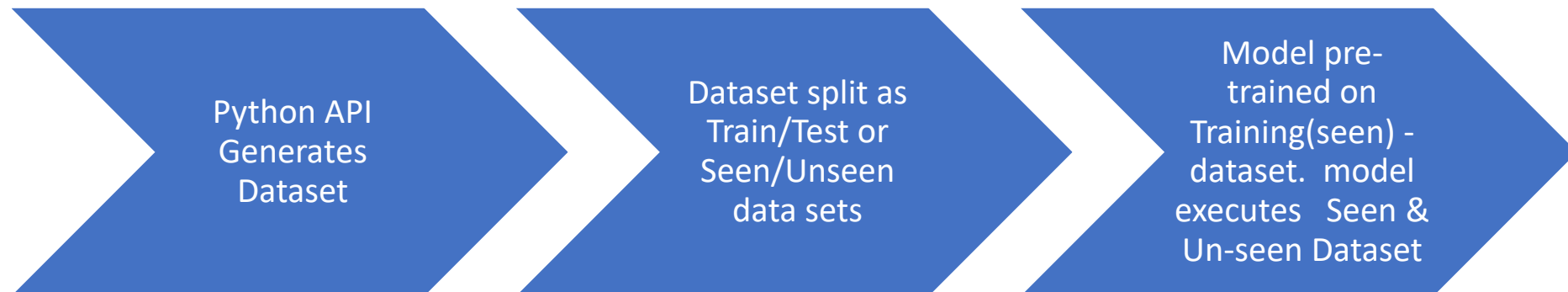
Silicon Twin

Silicon Twin Example

- Silicon Twin Model is Generated using data from a Python Ethernet Interface model

- Data Source for the Ethernet Interface Model

(GitHub repository: https://github.com/alexforencich/cocotbext-eth)

- Pre-Trained Model is used in the Example

Python API Generates Dataset

Dataset split as Train/Test or Seen/Unseen data sets

Model pre-trained on Training(seen) - dataset. model executes   Seen & Un-seen Dataset

Silicon Twin: Demo Workflow