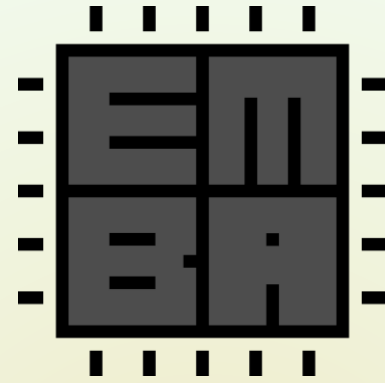




EMBArk Orchestration Framework – Enterprise ready firmware security analysis

EMBA-verse Overview

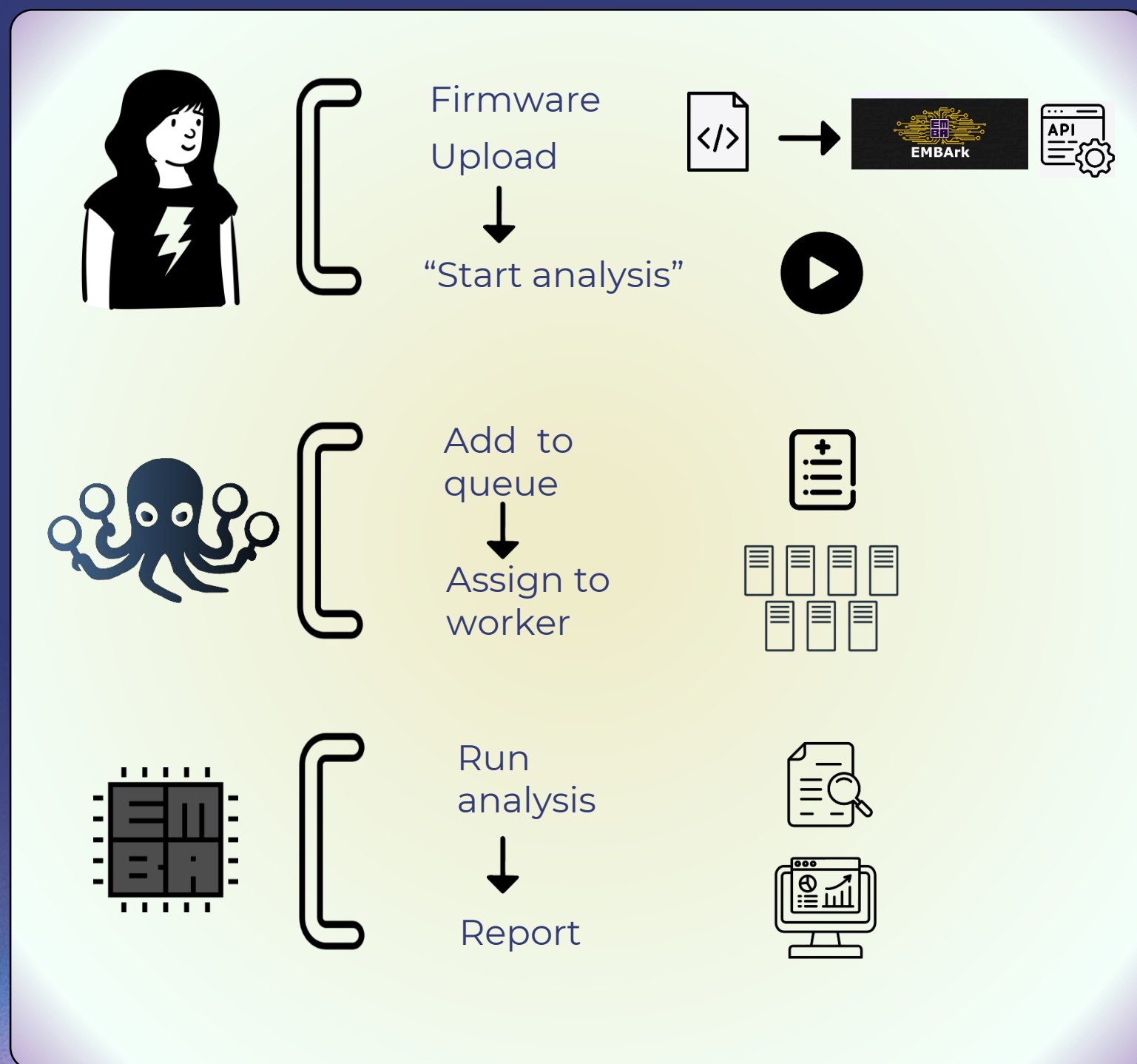


EMBA FOSS cli tool for firmware analysis

EMBArk – Web UI for EMBA (former AMOS project)

Our work: EMBArk orchestrator – enabling parallel analysis on offline worker nodes

Analysis Workflow – From Upload to Report



User uploads Firmware via Web UI

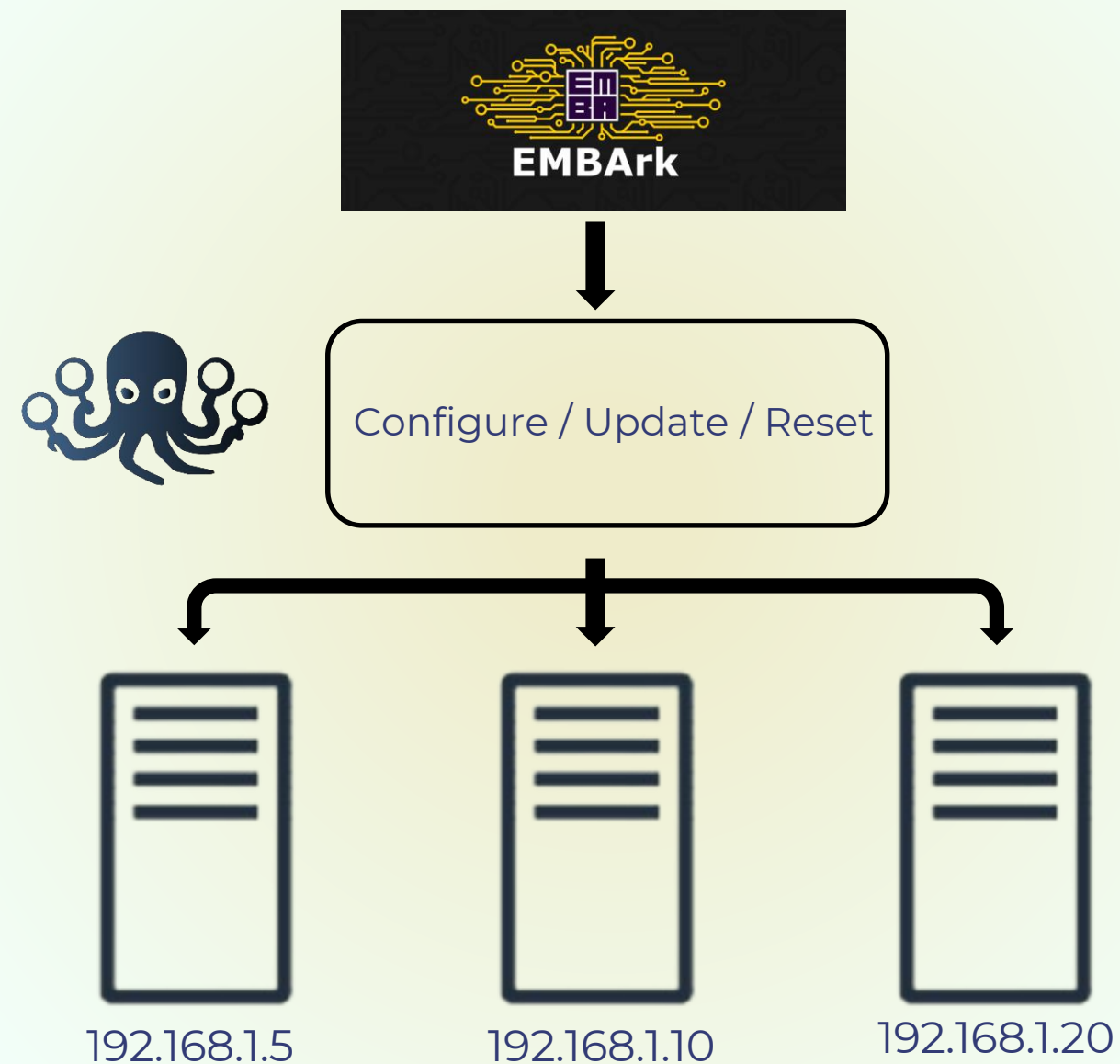
Orchestrator queues job for analysis

Worker receives job and executes EMBA analysis

Analysis results are collected in a report

Resulting reports are collected by EMBArk

Worker Management



Manage groups of workers in configurations

Collect status, hardware, and software information

Configure, update, reset workers