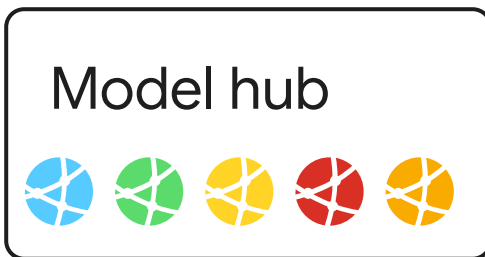

ML Model Signing: Cryptographically Paving the Way to Provenance in Machine Learning Models

— Mihai Maruseac —
GOSST (Google OSS Security Team)



Nice Model

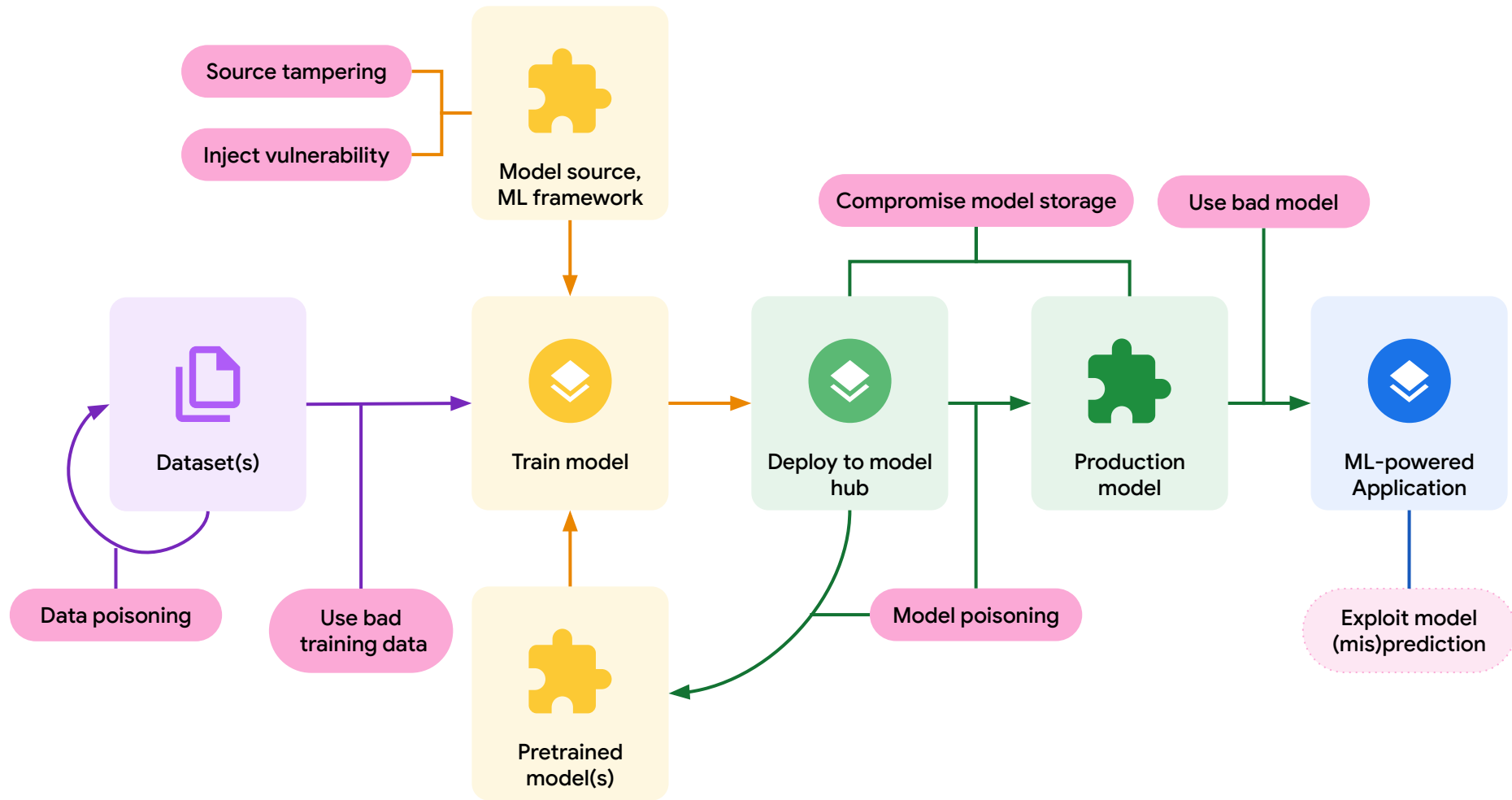
Model card
Malware detection model

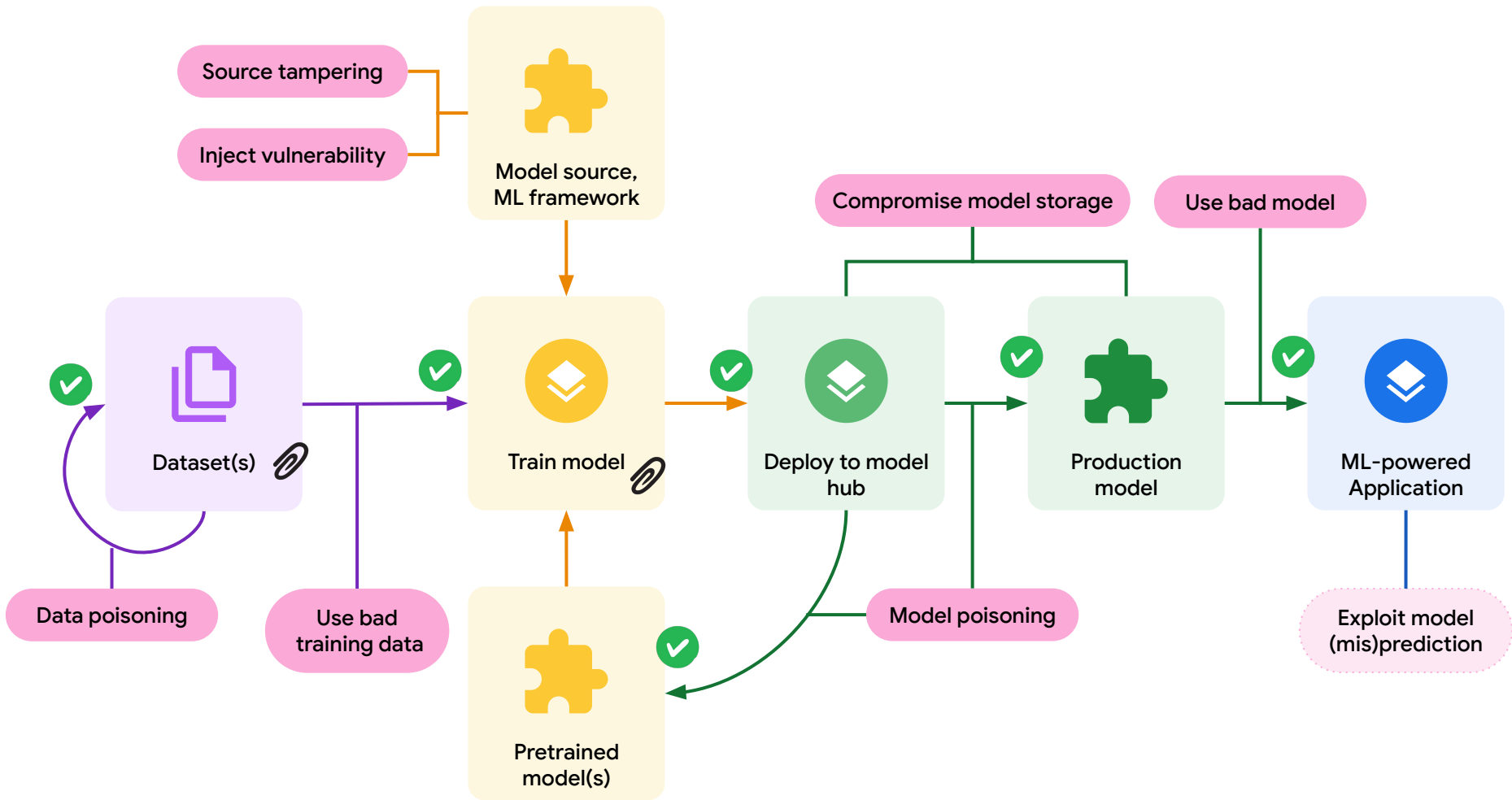


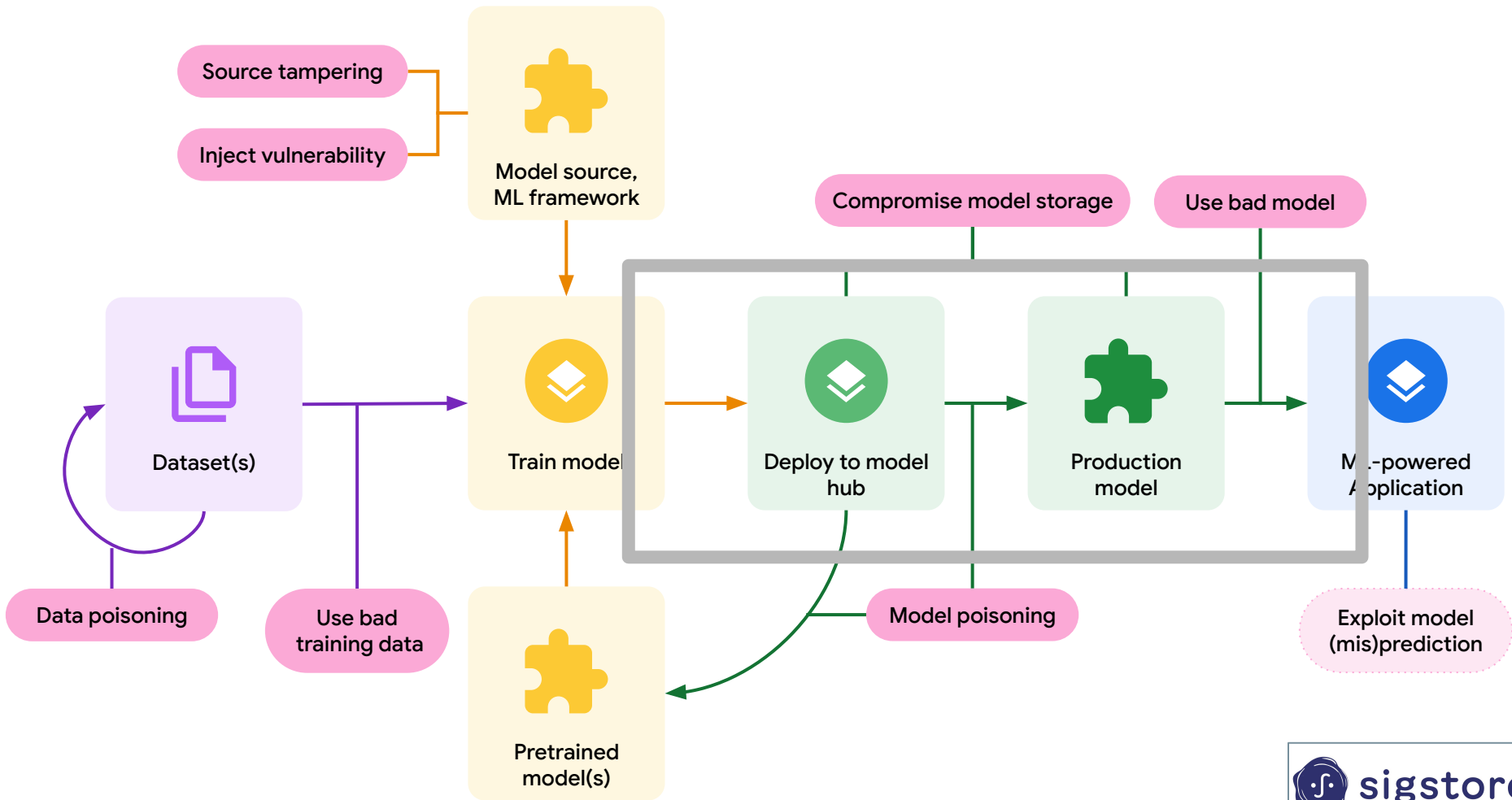
GPT-4 friend

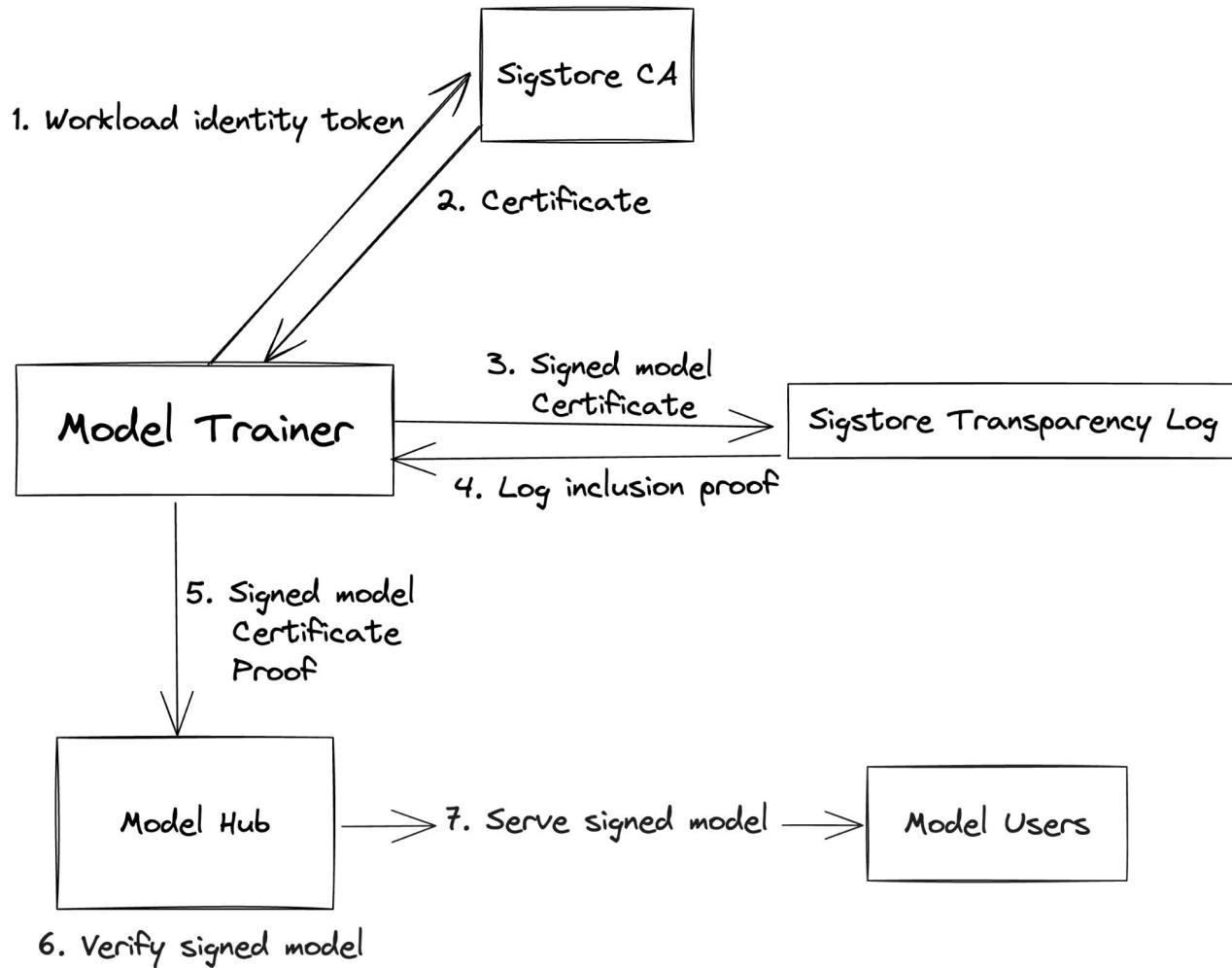
Model card
Friendly chatbot

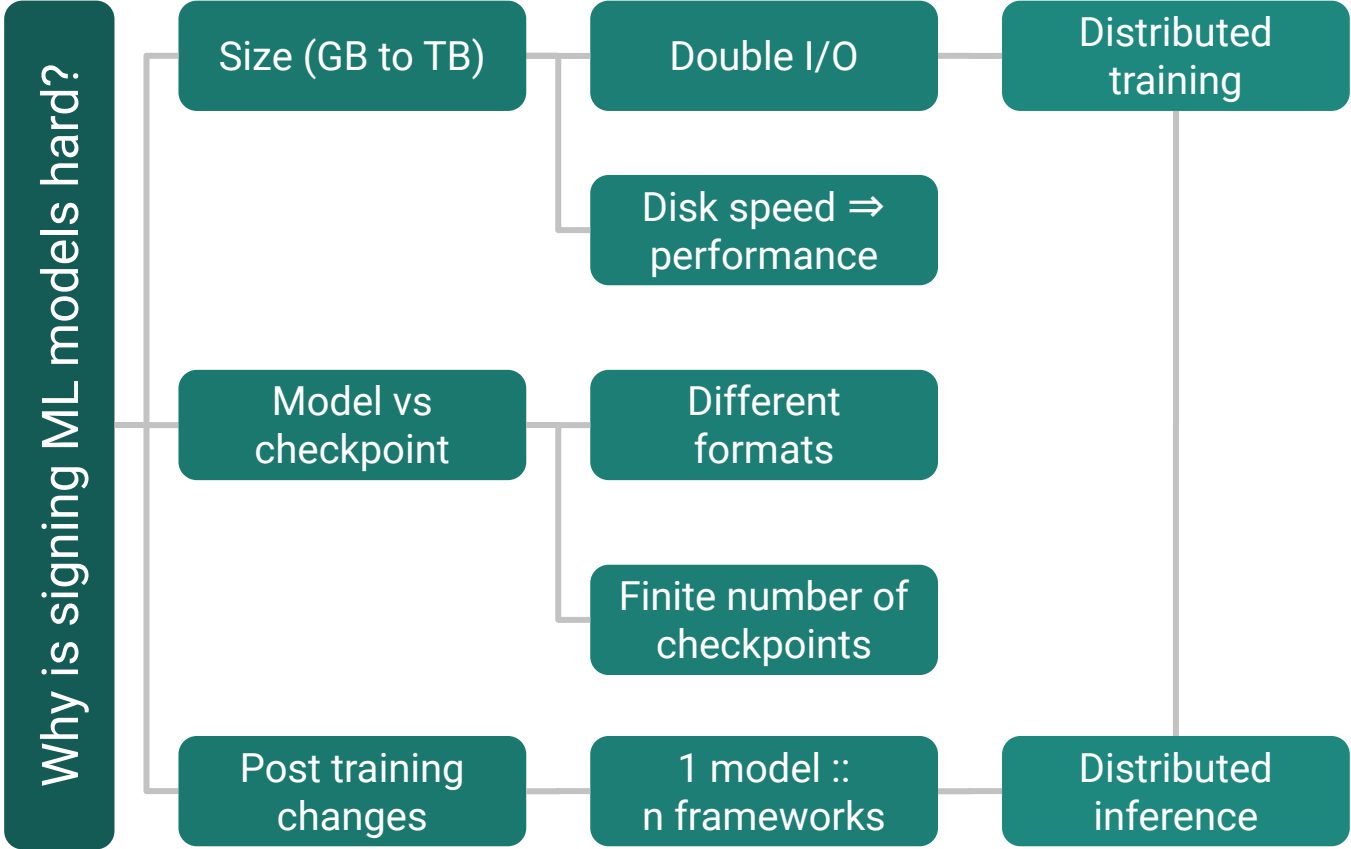


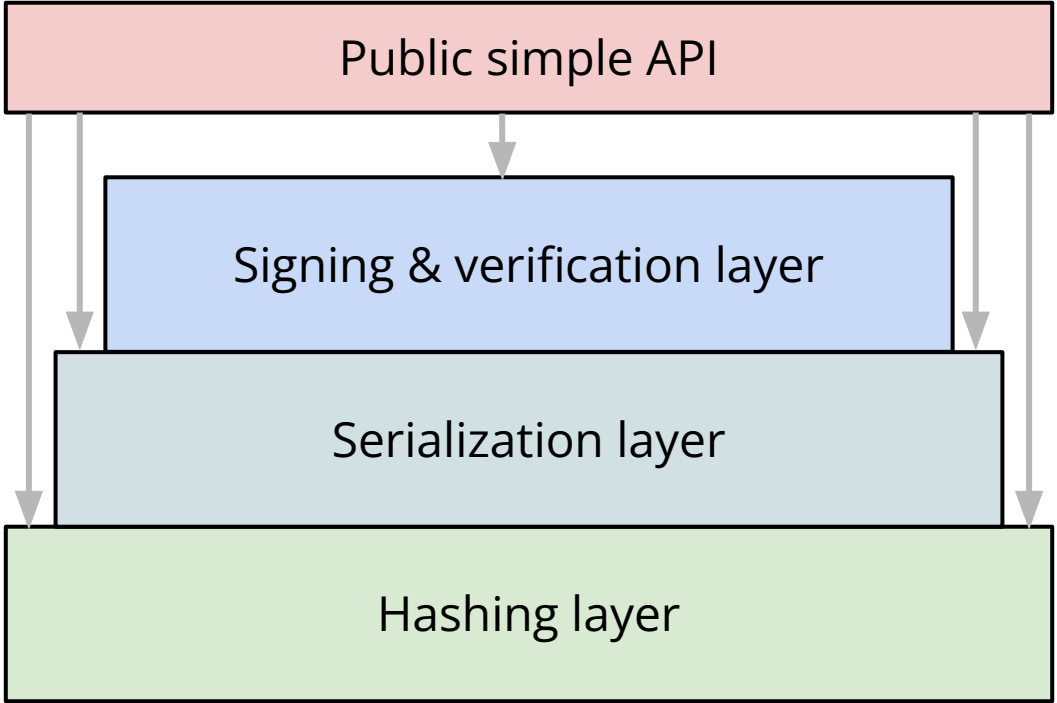












Demo

Streaming
hashing

Performance
improvements

+

SLSA,
Metadata,
C2PA

Incremental
updates

Integrations:

- **Frameworks**
- **ML hubs**



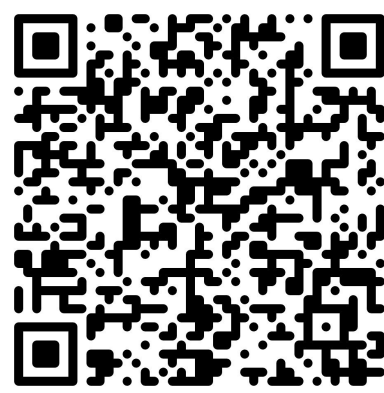
model-transparency



AI SSCI whitepaper



OpenSSF AI/ML WG



SigstoreCon