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Confidential AI made easy

Privacy and security are blocking **AI adoption**

Analysis of medical documents

Hospitals fear sharing **documents with Cloud AI**

Targeted advertising

Third-party cookie removal pushes **privacy-friendly targeting**

Biometric identification

Regulator **blocks AI identification in airports** because of privacy

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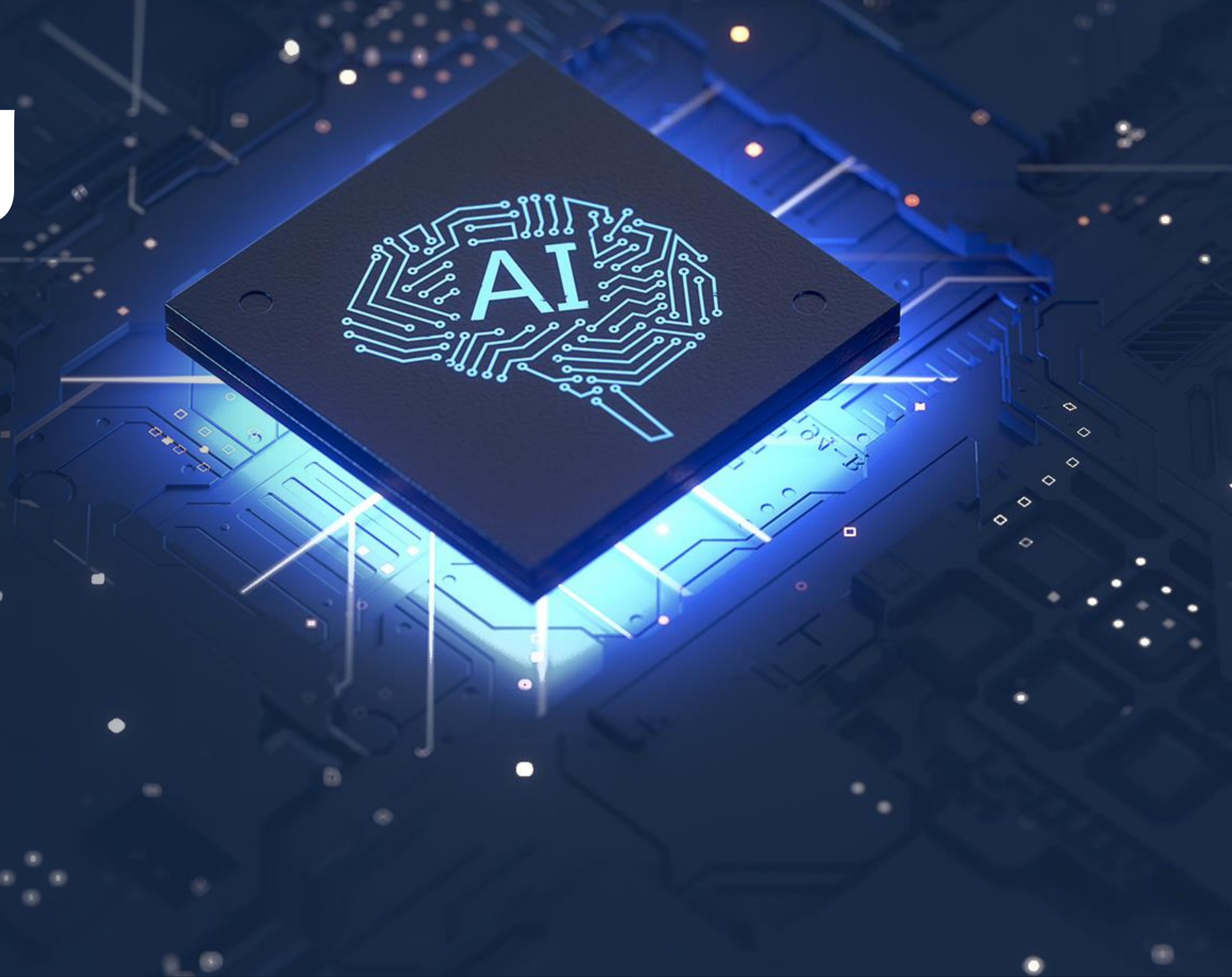
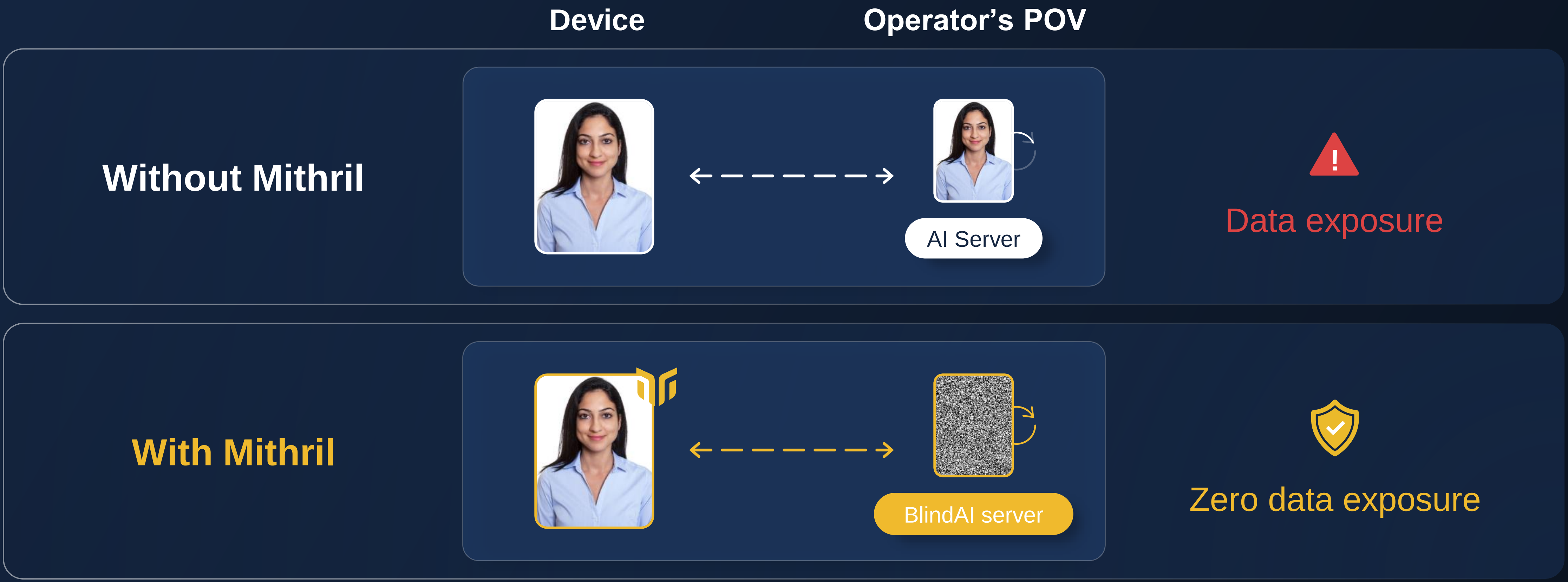
Introducing BlindAI

an Open-source and secure solution to analyze data confidentially



Example:
Biometric identification

Deploy compliant and privacy friendly biometric identification



Device

Operator’s POV

Without Mithril

AI Server

Data exposure

With Mithril

BlindAI server

Zero data exposure

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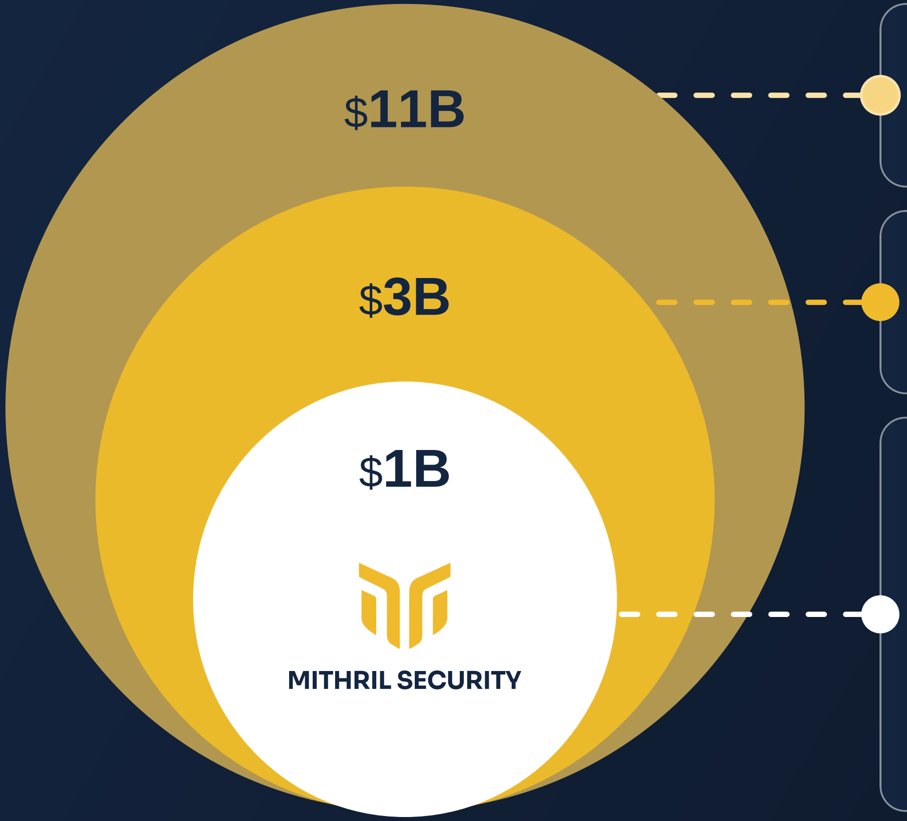
Confidential Computing is hot with a 90% CAGR



Confidential Computing **software market**

Confidential Computing **AI software** market

Mithril **initial targets:**

› Biometrics

› Advertising

Early traction

Advertising

$80k
POC

Privacy_friendly **advertising**

Biometrics

$10k
POC

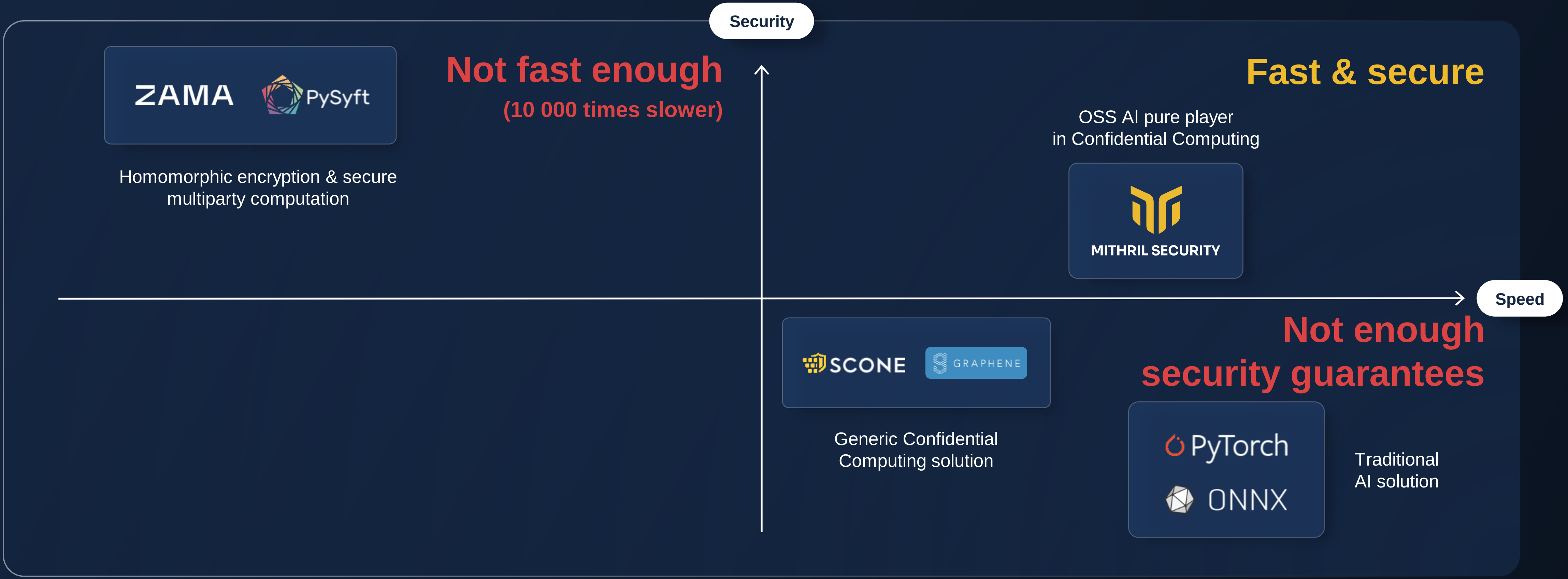
Biometric identification

Banking

Technical dive-in

KYC

We provide the best speed/security



Not fast enough
(10 000 times slower)

Homomorphic encryption & secure multiparty computation

Fast & secure

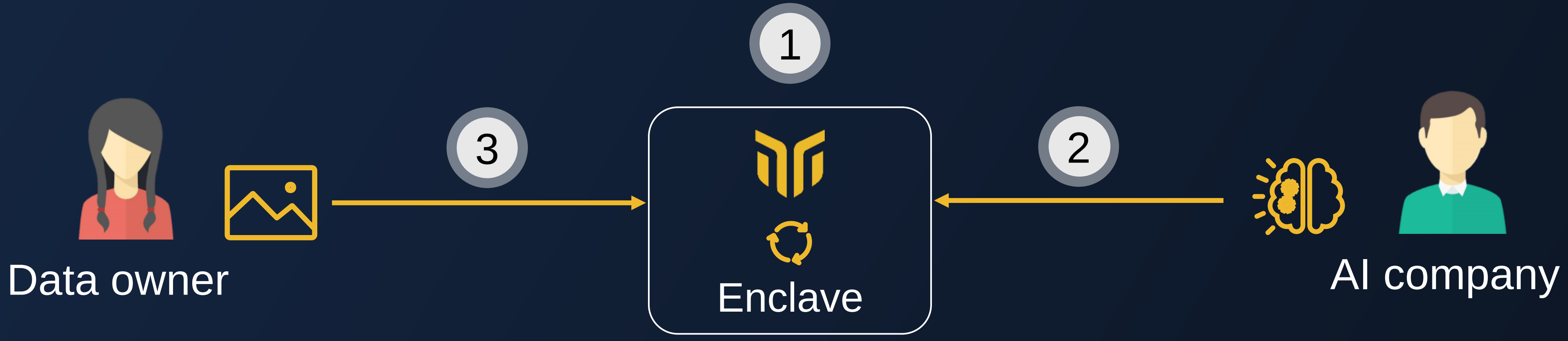
OSS AI pure player
in Confidential Computing

Generic Confidential Computing solution

Not enough security guarantees

Traditional
AI solution

Workflow with BlindAI



1

Launch server

with hardware protection

2

Upload model

In secure environment

3

Get prediction

with confidentiality guarantees

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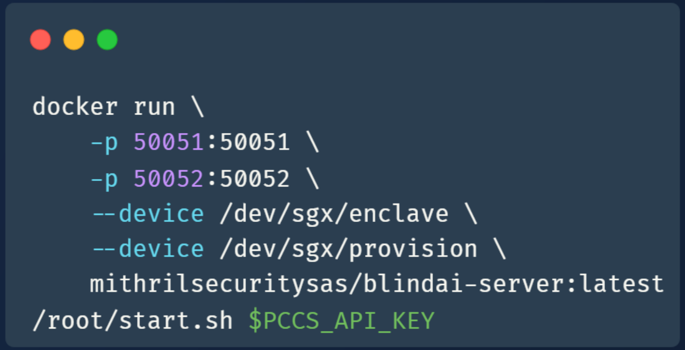
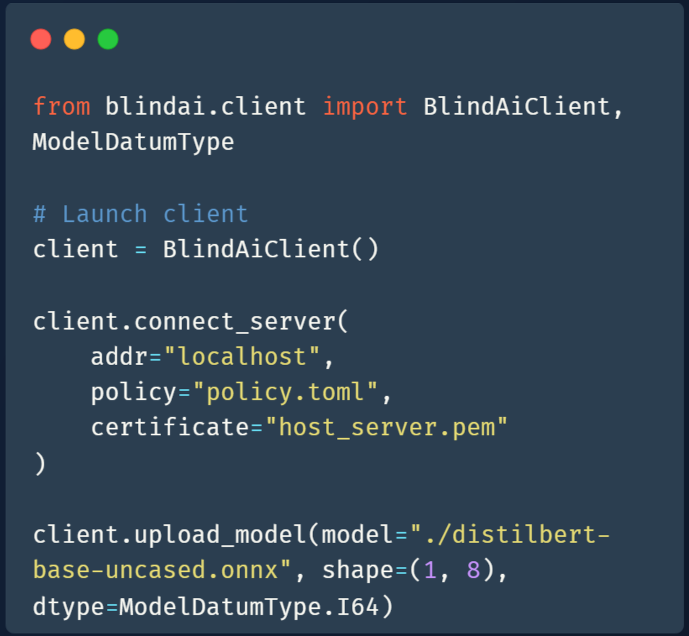
Cutting edge AI with privacy in 3 easy steps

1 Launch server



```
docker run \
    -p 50051:50051 \
    -p 50052:50052 \
    --device /dev/sgx/enclave \
    --device /dev/sgx/provision \
    mithrilsecuritysas/blindai-server:latest
/root/start.sh $PCCS_API_KEY
```

2 Upload model



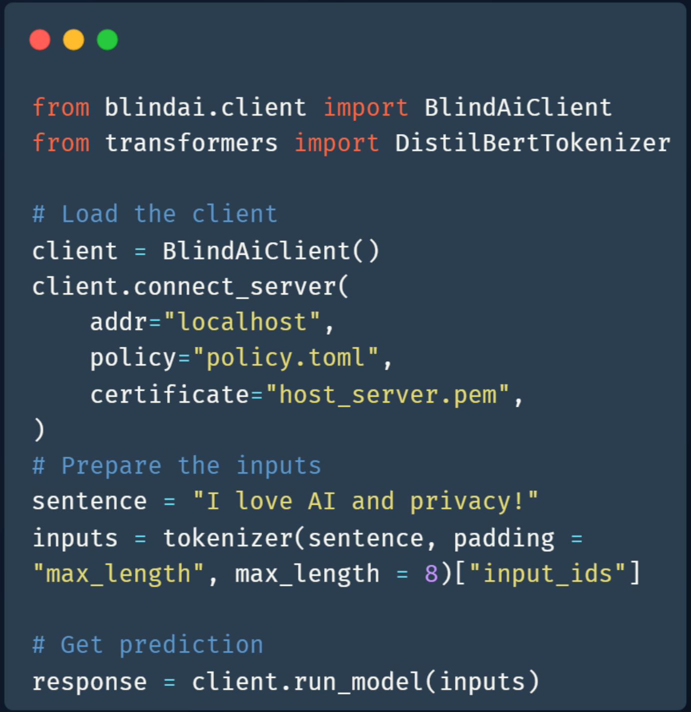
```
from blindai.client import BlindAiClient,
ModelDatumType

# Launch client
client = BlindAiClient()

client.connect_server(
    addr="localhost",
    policy="policy.toml",
    certificate="host_server.pem"
)

client.upload_model(model="./distilbert-
base-uncased.onnx", shape=(1, 8),
dtype=ModelDatumType.I64)
```

3 Get prediction



```
from blindai.client import BlindAiClient
from transformers import DistilBertTokenizer

# Load the client
client = BlindAiClient()
client.connect_server(
    addr="localhost",
    policy="policy.toml",
    certificate="host_server.pem",
)
# Prepare the inputs
sentence = "I love AI and privacy!"
inputs = tokenizer(sentence, padding =
"max_length", max_length = 8)["input_ids"]

# Get prediction
response = client.run_model(inputs)
```

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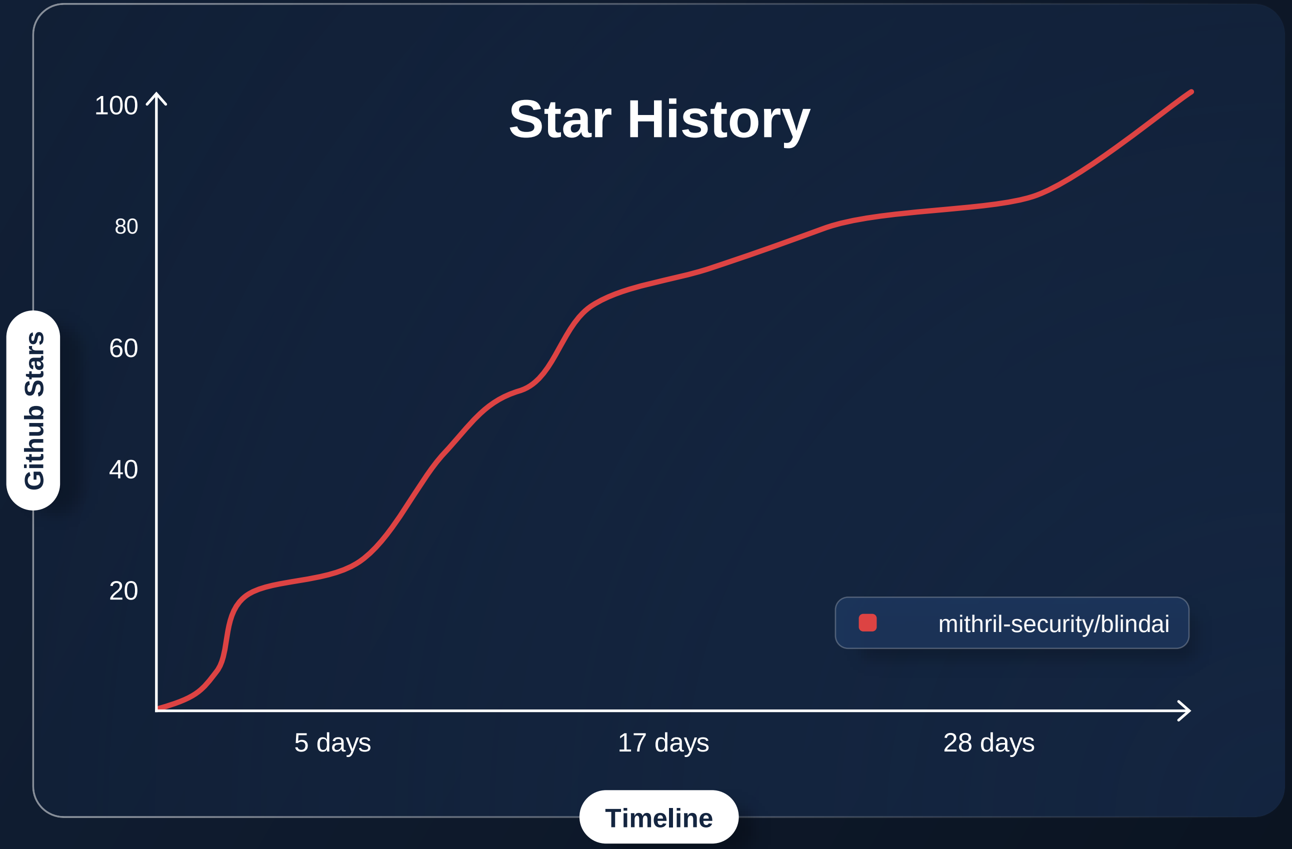
Go-to-market:
Open-core for land grab

Better security

Faster adoption



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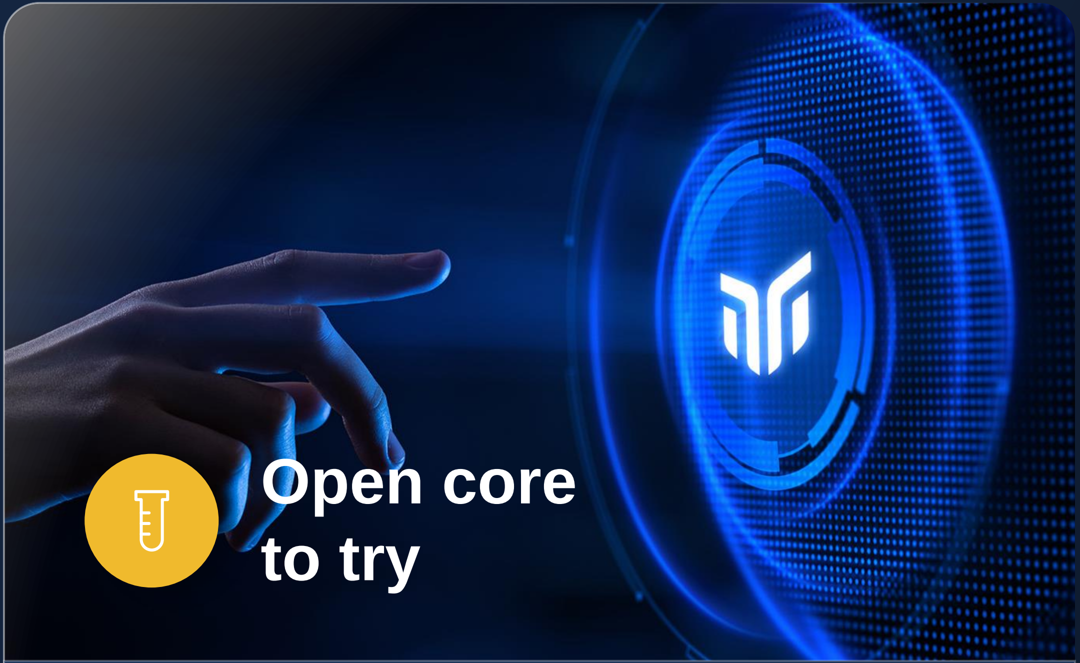
Business model:
Open-core with Cloud platform



Open core to try

Cybersecurity features

Enterprise features to deploy

Acceleration - Cluster deployment - Managed Cloud

Our **Team**

Daniel

CEO

HEC PARIS Microsoft

Wrote articles on privacy ranked **#1 on Google**

Mehdi

CTO

42 Valeo

Built multi-channel detection **Covid-19 diagnostic** terminal

Raphaël

COO

WAVESTONE NEOMA

Led compliance analysis of banking projects for **cloud AI adoption**

Corentin

Head of Cybersecurity

INP ENSEEIHT EPFL

Experienced in **cybersecurity**, **and** passionate of **cryptography** and **PETs**

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Our Advisors

Thomas Wolf

CSO
Hugging Face

CSO at Hugging Face
world expert in AI

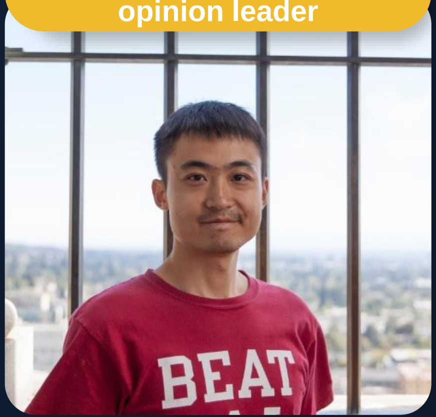
Tony Wasserman

Board director
Open-Source Initiative

Spent over 17 years teaching OS, 20 years as a **senior software executive**

Yu Ding

Confidential Computing opinion leader



Over 20 publications on CC, **Rust SGX initiative lead**

John Hughes

General partner
Swift Ventures

SWIFT VENTURES

Previously VP of Product and Engineering at Adobe
Co-founder at TubeMogul (IPO)

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We are raising $1.4M

to become the open-source leader for confidential AI within 18 months

Objectives

2,500

GitHub stars

AI community traction

$1M

ARR

Clients' traction