PARSEC: A Platform Abstraction For Security

Any Workload, Any Programming Language, Any Container Runtime, Any Packaging

PARSEC

Any Platform, Any Architecture, Any Hardware

- Discrete TPM
- Firmware TPM
- Local HSM
- Remote HSM
- Trusted Apps
- Custom
Why Parsec?

Cloud
- Rich Workloads
- Multi-Tenant
- Cloud-Native Development

Edge

Endpoint
- Threat Landscape
- Variety of Platforms
- Device-specific RoT

TPM  HSM  SE

docker  kubernetes
PARSEC: An opensource collaborative project
PARSEC Value Proposition

- **Abstraction** – a common API that is truly agnostic and based on modern cryptographic principles
- **Mediation** – security as a microservice, brokering access to the hardware and providing isolated key stores in a multi-tenant environment
- **Ergonomics** – a client library ecosystem that brings the API to the fingertips of developers in any programming language: “easy to consume, hard to get wrong”
- **Openness** – an open-source project inviting contributions to enhance the ecosystem both within the service and among its client libraries
Where to find us

GitHub

https://github.com/parallaxsecond

https://parallaxsecond.github.io/parssec-book

Slack

#parssec on CNCF https://cloud-native.slack.com

Weekly community call (see GitHub)

Note: “parssec” was already being used as an organization name in GitHub, which is why the expanded “parallaxsecond” term was selected instead.