

PARSEC – Platform Abstraction for Security

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Overview

Sept 2020

PARSEC: An opensource collaborative project















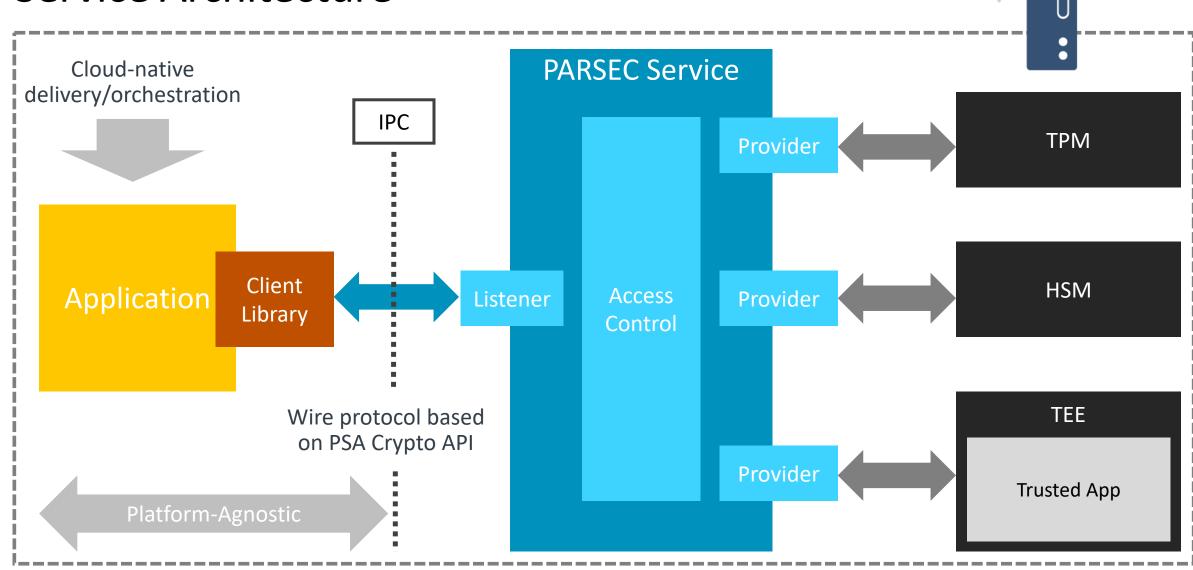


PARSEC: A Platform Abstraction For Security

Any Workload, Any Programming Language, Any Container Runtime, Any Packaging PARSEC Any Platform, Any Architecture, Any Hardware Local HSM **Trusted Apps** Discrete TPM Firmware TPM Remote HSM Custom

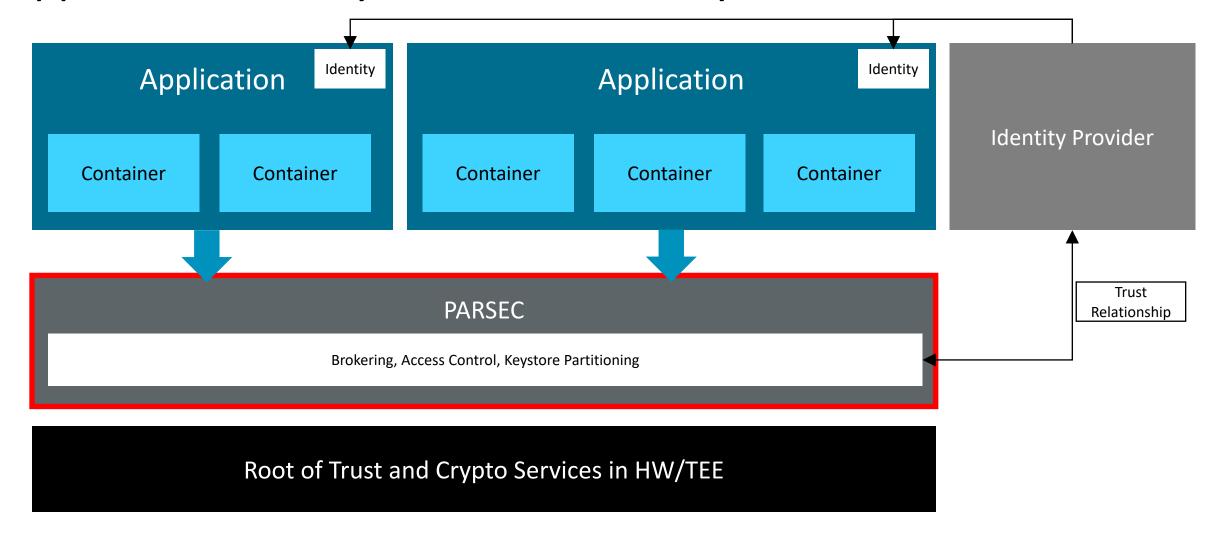


Service Architecture





Application Identity and Multi-Tenancy





What is available today? What's next?

Client Libraries	PSA API Coverage	Back-End Support	Environments
Rust	Key Management	TPM 2.0	Linux/Containerized
С	Sign/Verify	PKCS#11	Single-Tenant
Go	Asymmetric Crypto	Mbed TLS	Multi-Tenant
Python	Symmetric Crypto	PSA in TZ	Virtualized
Java	HMAC	Custom	Windows
Other	KDF/Agreement		RTOS
	RNG		

AEAD



References



https://github.com/parallaxsecond



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



#parsec on https://dockercommunity.slack.com



Bi-weekly community call (see GitHub)

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

