

JSR 321: Public Review

Java Community Process
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Trusted Computing API for Java™

Stage	Start	Finish
<i>Public Review Ballot</i>	<i>01 Feb, 2011</i>	<i>07 Feb, 2011</i>
<i>Public Review</i>	<i>03 Jan, 2011</i>	<i>07 Feb, 2011</i>
Early Draft Review	09 Apr, 2009	08 Jul, 2009
Expert Group Formation	11 Dec, 2007	31 Jul, 2008
JSR Review Ballot	27 Nov, 2007	10 Dec, 2007

Contact us:

➔ <http://jsr321.dev.java.net>

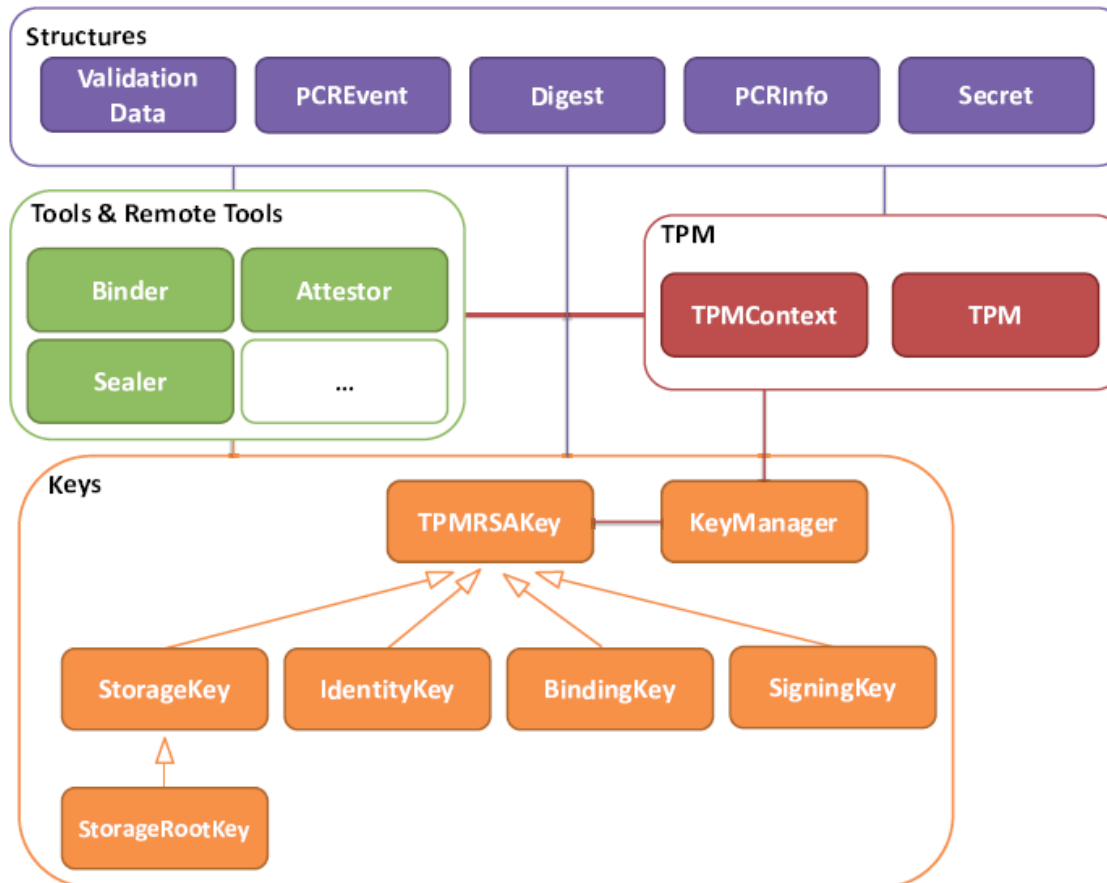
➔ eg@jsr321.dev.java.net

Since Early Draft Review

- Received comments from industry and academia: IBM, StrongAuth, Postilion, Univ. Birmingham, ..
- EG also received extensive input by a completely **independent implementation** of the EDR API (using C++) by ATEGO for the European FP7 project TECOM

API Overview

`javax.trustedcomputing.*`



Changes to API

- **Class TPM**
 - `public Object getProperty(String property);`
instead of multiple getter Methods
 - moved `quote()` to new Attestor tool.
- **Class TPMContext**
 - Implementation can now be defined at runtime or via `jsr321.tpmcontextimpl` property
- **New Class PCRNotAccessibleException**
 - Thrown if OS blocks selected TPM ordinals (default configuration of Windows)

Changes to API II

- **Package** `tools`
 - New Class `Attestor` for Remote Attestation
 - `Initializer` (optional) for initializing the TPM if functionality is not provided by OS (Linux)
 - `Certifier` to sign and verify key policies
 - `TickStamper` was removed as abstraction from TCG standards proved difficult

Changes to API III

- **Package** `tpm.structures`
 - Now also allows public construction of structures where useful
 - Class `ValidationData` made serializable
- **New sub-package** `tpm.tools.remote`
 - For functionality that does not require a local TPM (i.e. to implement security protocols)
 - **New Classes** that help with analysis and validation:
 - `RemoteAttestor`
 - `RemoteBinder`
 - `RemoteCertifier`
 - `RemoteSigner`

Further Decisions

- `javax.trustedcomputing.*` package name describes the content of JSR 321 better than abbreviations
- Final software license for API, RI, will be *GPLv2 with Classpath Exception*.
- IAIK is currently completing and updating RI, TCK