



**XXXXXXXX XXXXXXXXX**

**Vice President SW Development  
Oracle Corporation**

### **JAVA CARD LICENSE INQUIRY**

I would like to officially ask your company for the permission / license to use Java Card Virtual Machine Specifications (versions 2.x and 3.x) for productive and commercial purposes.

Since 2016, I have been developing a software tool (Java / SIM card Introspector, briefly featured at my company web pages) of which goal is to facilitate security testing and analysis of Java based smartcards (UICC, SIM and eSIM in particular). As such, the tool needs to implement various functionality described in Java Card Virtual Machine Specification such as the following in particular:

- parsing and generation of Java executable code embedded in a CAP file format (Applets),
- sending Java executable code embedded in CAP files over-the-wire and over-the-air to a smartcard,
- Java Card bytecode analysis and manipulation,
- use of Java Card APIs.

The tool currently relies on Oracle Java Card SDK and associated building tools for CAP file and code generation. This is to be changed soon by the means of implementing custom compilation and CAP file generation functionality (the tool will not rely on any Oracle building tools or SDK as they lack certain features).

The planned productive and commercial use of Java Card Virtual Machine Specifications that are subject of this inquiry are depicted below:



SECURITY  
RESEARCH

- development and commercial offering of Java / SIM card Introspector tool and associated IPs,
- consulting (security evaluation) services of Java based smart cards.

I take this opportunity to mention that over the period of 2008-2019 I have reported to your company over 120 security vulnerabilities affecting Oracle products such as Java SE, Oracle Java Cloud Service, Oracle Database JVM and Java Card. All of the vulnerabilities have been reported to your company completely for free and have never been shared with (or sold to) any other 3<sup>rd</sup> party.

Does the above constitute any ground for a license grant to use Java Card Virtual Machine Specifications for productive and commercial purpose on some preferred terms (such as for free) ?

If not, what pricing would it cost (I am a 1 person company) to acquire such a license to match my productive and commercial purposes ?

As I can't enter into any NDA with your company solely for the purpose of inquiring about Java Card VM licensing, upon no information (or response) from your end, I will need to assume that any productive or commercial use of Java Card Virtual Machine Specifications is not permitted by me.

This may impact the future directions of my company and will likely lead to the release of my tool to the public domain (for evaluation and R&D purposes only), so that my work conducted over the recent years is not wasted and all interested parties around the smartcard ecosystem can still benefit from it on a non-commercial basis.

Looking forward to your response.

Yours Sincerely,

Adam Gowdiak