

The VOMS Java API v. 3.0



Andrea Ceccanti (INFN)

*Fifth EMI All-Hands Meeting
Budapest, Oct. 29th 2012*

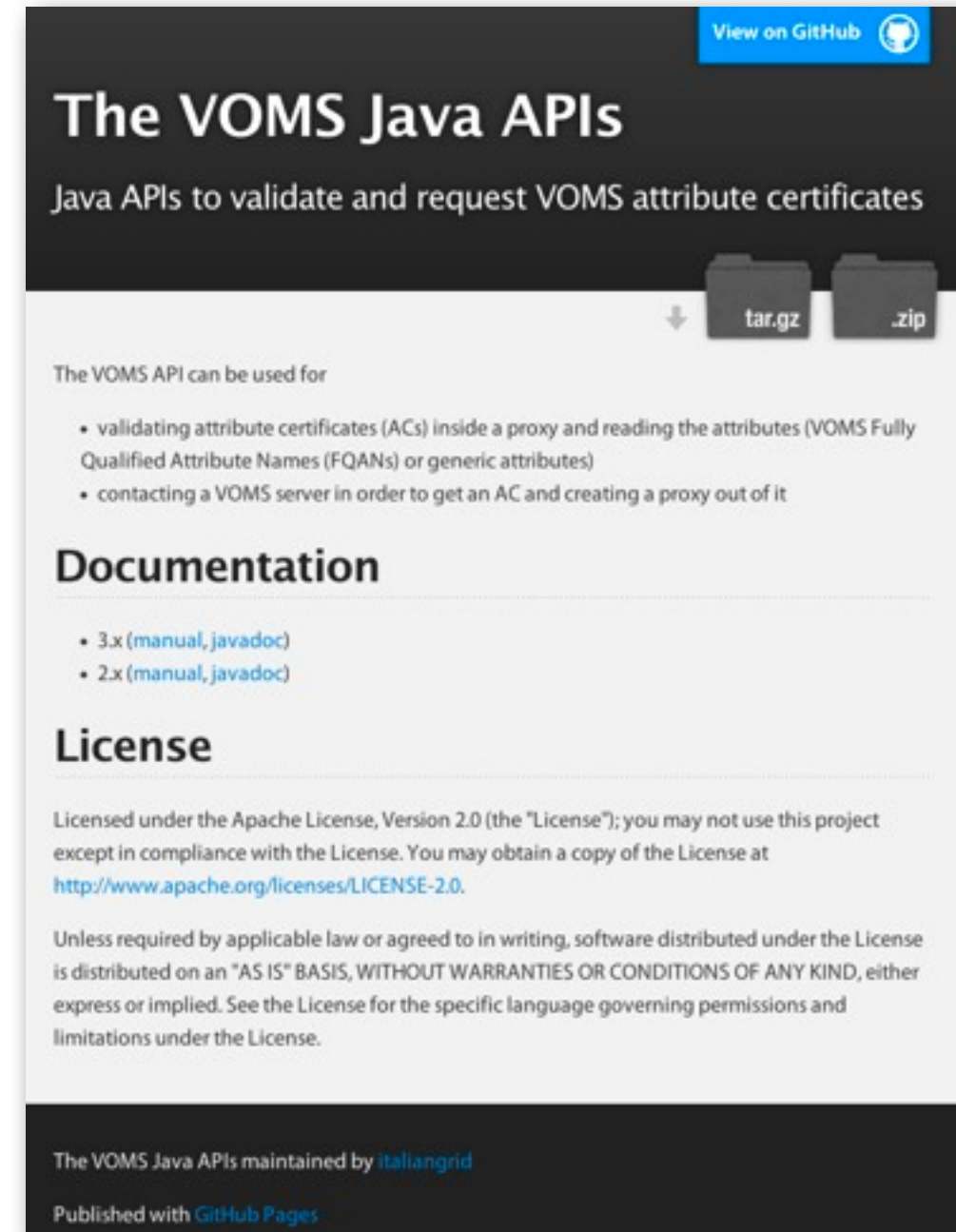
EMI is partially funded by the European Commission under Grant Agreement RI-261611

VOMS Java API 3.0

- Completely refactored version of the Java APIs based on CANL
- Breaks backward-compatibility
 - ▶ but an adapter is provided which covers the most common validation use cases
- Improvements:
 - ▶ Clearer interface
 - ▶ Better documentation
 - ▶ Improved thread-safety
 - ▶ Improved error reporting

Java APIs Github home

- Website:
 - ▶ <http://italiangrid.github.com/voms-api-java/>
- Code:
 - ▶ <https://github.com/italiangrid/voms-api-java>
 - ▶ Development Branch: 3.x



The screenshot shows the GitHub repository page for "The VOMS Java APIs". At the top right, there is a "View on GitHub" button with the GitHub logo. The main heading is "The VOMS Java APIs" in a large, bold font. Below it, a subtitle reads "Java APIs to validate and request VOMS attribute certificates". There are two download buttons: "tar.gz" and ".zip". A section titled "The VOMS API can be used for" lists two bullet points: "validating attribute certificates (ACs) inside a proxy and reading the attributes (VOMS Fully Qualified Attribute Names (FQANs) or generic attributes)" and "contacting a VOMS server in order to get an AC and creating a proxy out of it". Below this is a "Documentation" section with two links: "3.x (manual, javadoc)" and "2.x (manual, javadoc)". The "License" section states that the project is licensed under the Apache License, Version 2.0, and provides a link to the license text. At the bottom, it says "The VOMS Java APIs maintained by italiangrid" and "Published with GitHub Pages".

SLF4j is used for logging

- Adapt your logging backend configuration if you don't already use slf4j
 - ▶ <https://github.com/italiangrid/voms-api-java#configure-logging>

The packages to import have changed

- org.glite.voms -> org.italiangrid.voms

All functionality is now exposed through interfaces

- VOMSAttribute
- VOMSACValidator
- VOMSACRequest
- VOMSACService

<https://github.com/italiangrid/voms-api-java#validation>

<https://github.com/italiangrid/voms-api-java#creating-a-voms-proxy>

Migration recommendations



<https://github.com/italiangrid/voms-api-java#migration-workflow>