

Electronic Warfare Software

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The INL is a U.S. Department of Energy National Laboratory
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Electronic Warfare Software

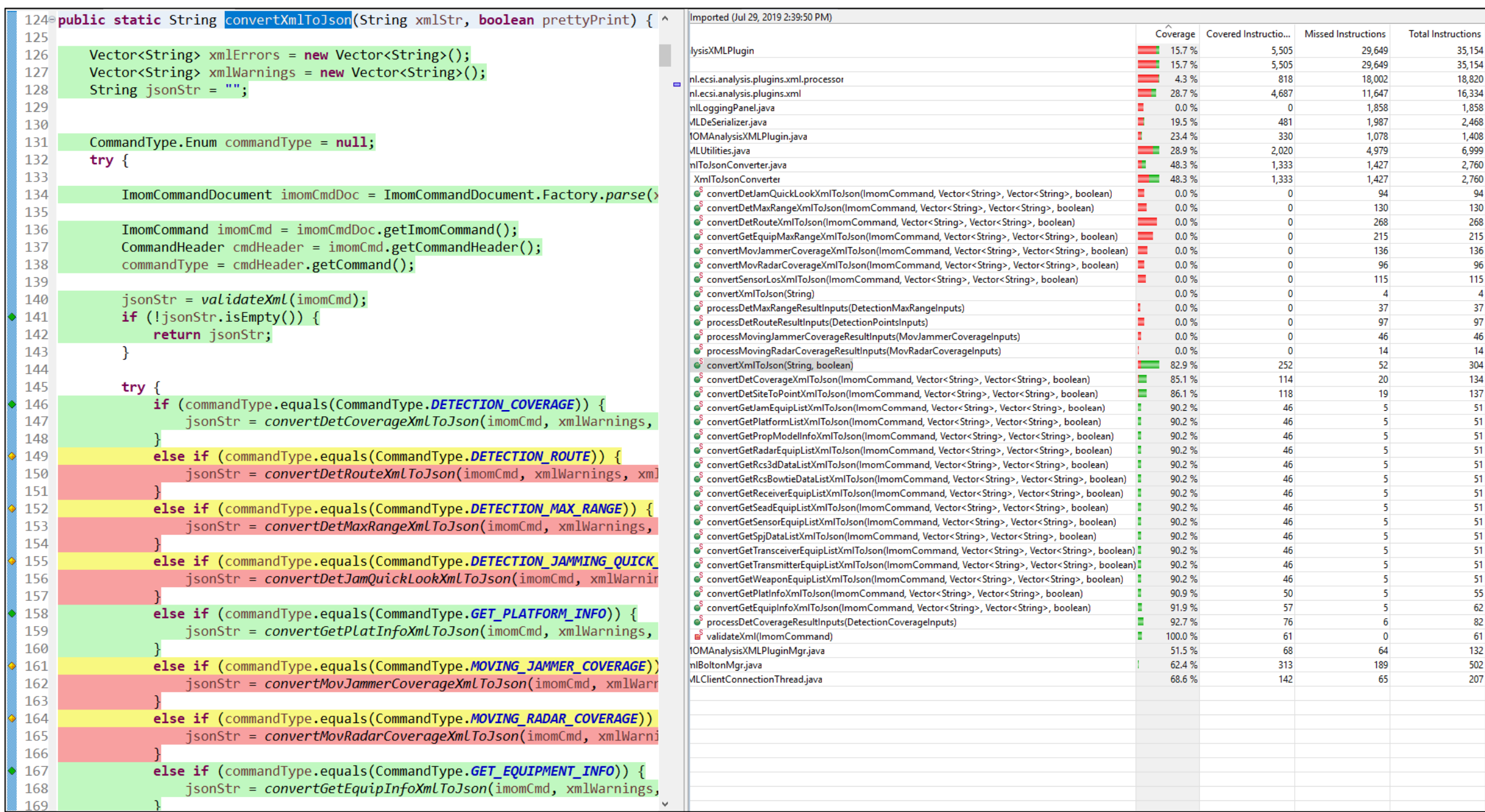
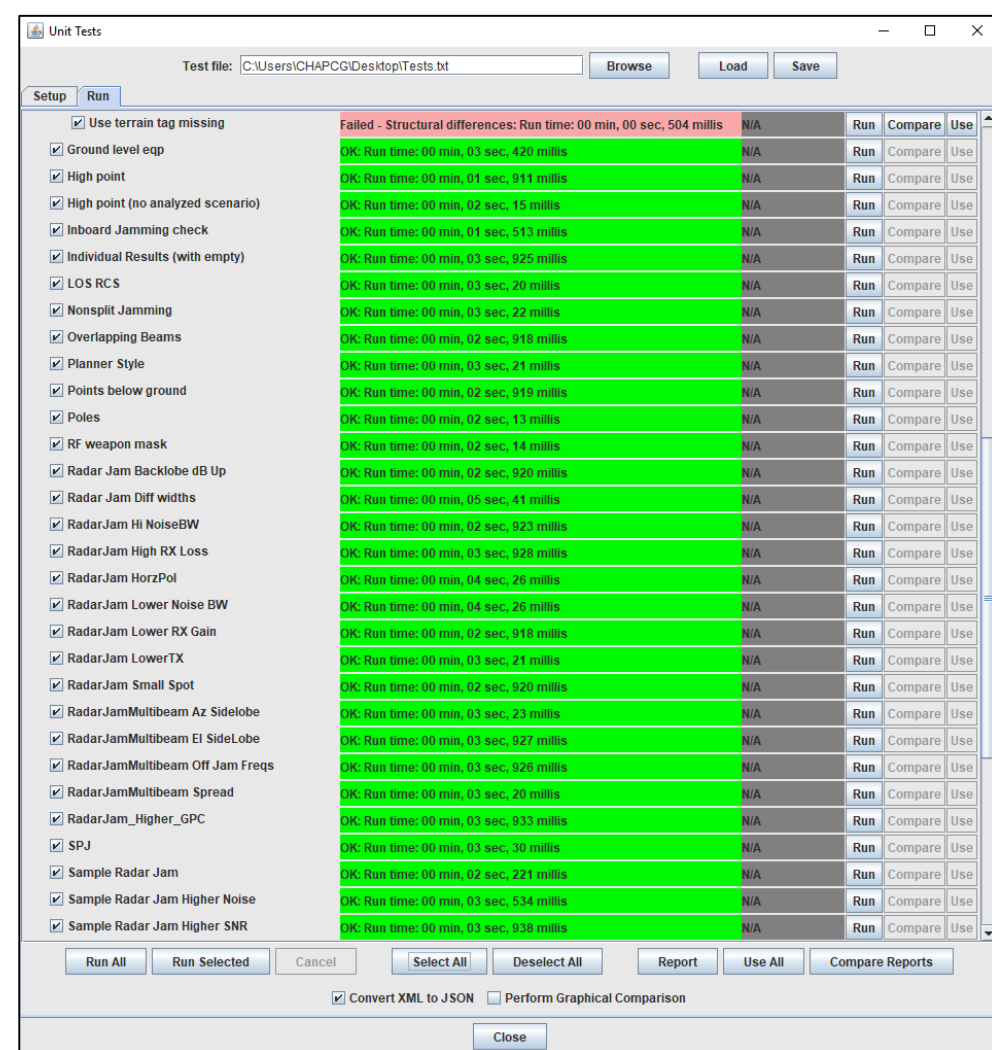
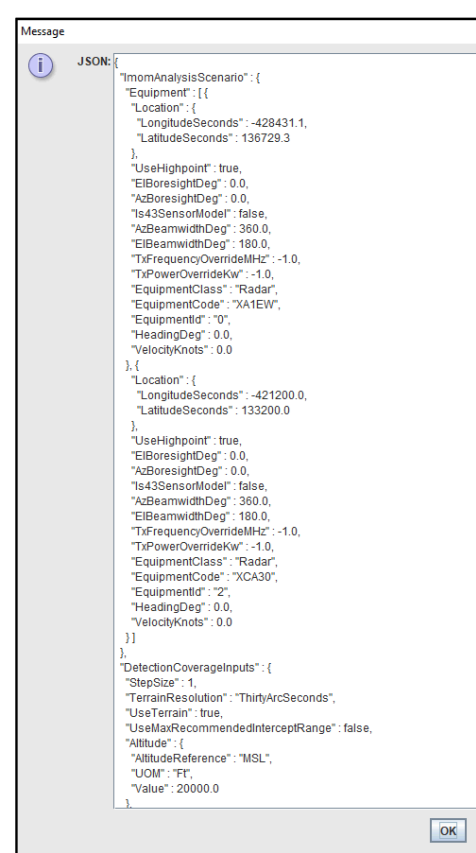
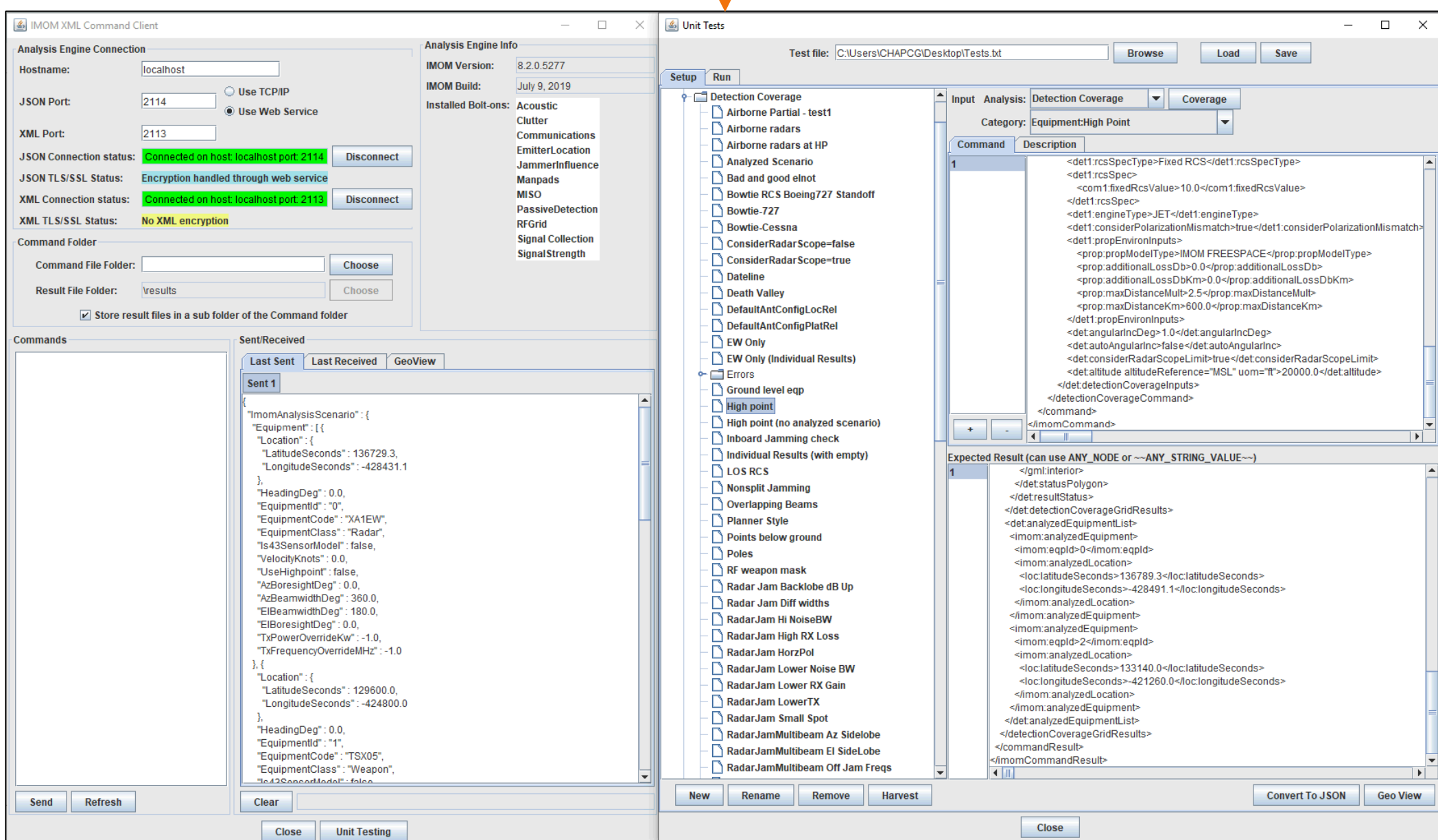
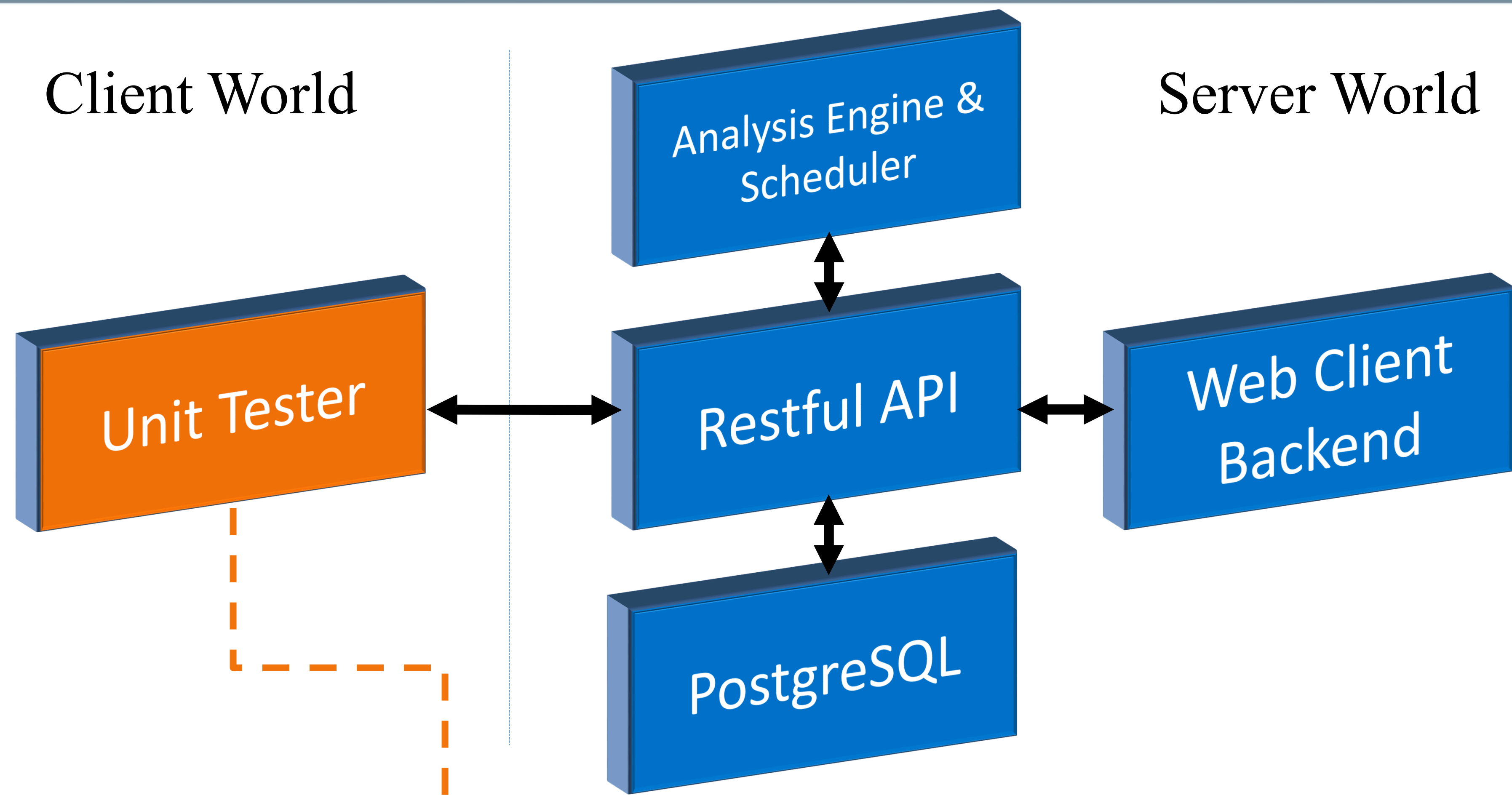
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Client World

Server World



- Fully executed
- Partially executed
- Not executed

Testing and Validation

1. Unit Tester sends a stored XML Command to the Analysis Engine (AE) for conversion to JSON
2. The AE returns the JSON Command to the Unit Tester
3. The Unit Tester sends the JSON Command through the Web API for validation storage in the PostgreSQL database
4. The AE queries the Web API for “Queued” jobs
5. AE runs any queued jobs
6. The AE returns the results through the Web API for validation and stores them in the database
7. The Unit Tester retrieves the results (in JSON format) from the Web API
8. The AE JSON Plugin compares the stored expected XML result to the retrieved JSON results

JaCoCo

Java Code Coverage is used to measure the amount (%) of source code that was executed during the execution of a test suite. There are multiple criteria that can be used to determine the amount of coverage of the source code such as the percent of classes, methods, blocks, and individual lines of code that were executed.

