

# OpenADR Open House

Leveraging Third Party Resources

# Topics

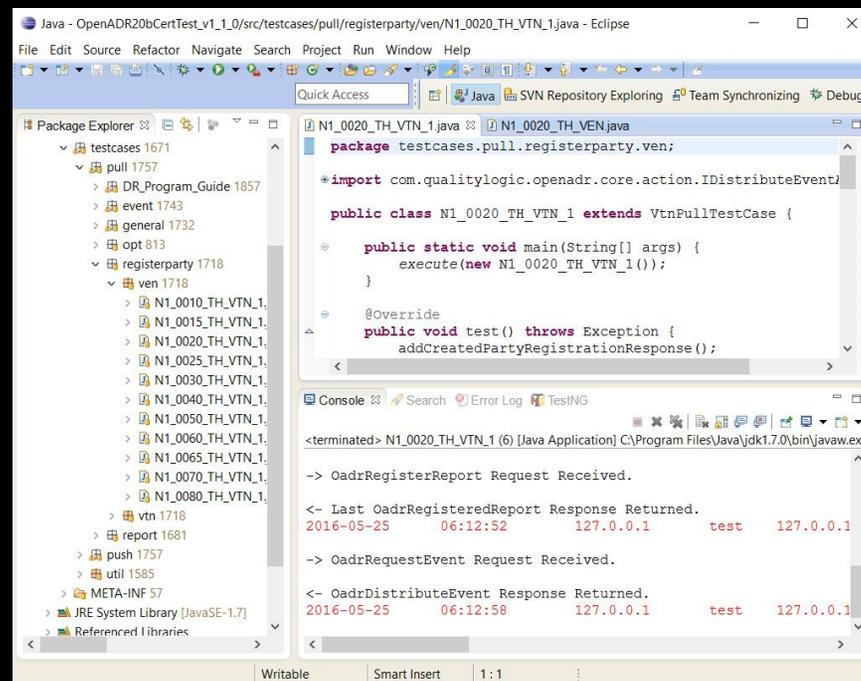
- Documentation
- Test Harness
- VTN in the Cloud
- Other Tools
- Resources

# Documentation

- Requirement Docs
  - Profile Specifications
  - XML Schemas
- Testing Docs
  - Test Specifications
  - Test Harness User Guide
- Certification Docs
  - PICS

# Test Harness

- Tests all requirements defined in PICS
- Same as tests used for certification
- Use self test as learning tool



```
package testcases.pull.registerparty.ven;

import com.qualitylogic.openadr.core.action.IDistributeEvent;

public class N1_0020_TH_VTN_1 extends VtnPullTestCase {

    public static void main(String[] args) {
        execute(new N1_0020_TH_VTN_1());
    }

    @Override
    public void test() throws Exception {
        addCreatedPartyRegistrationResponse();
    }
}
```

<terminated> N1\_0020\_TH\_VTN\_1 (6) [Java Application] C:\Program Files\Java\jdk1.7.0\bin\javaw.exe

-> OadrRegisterReport Request Received.

<- Last OadrRegisteredReport Response Returned.

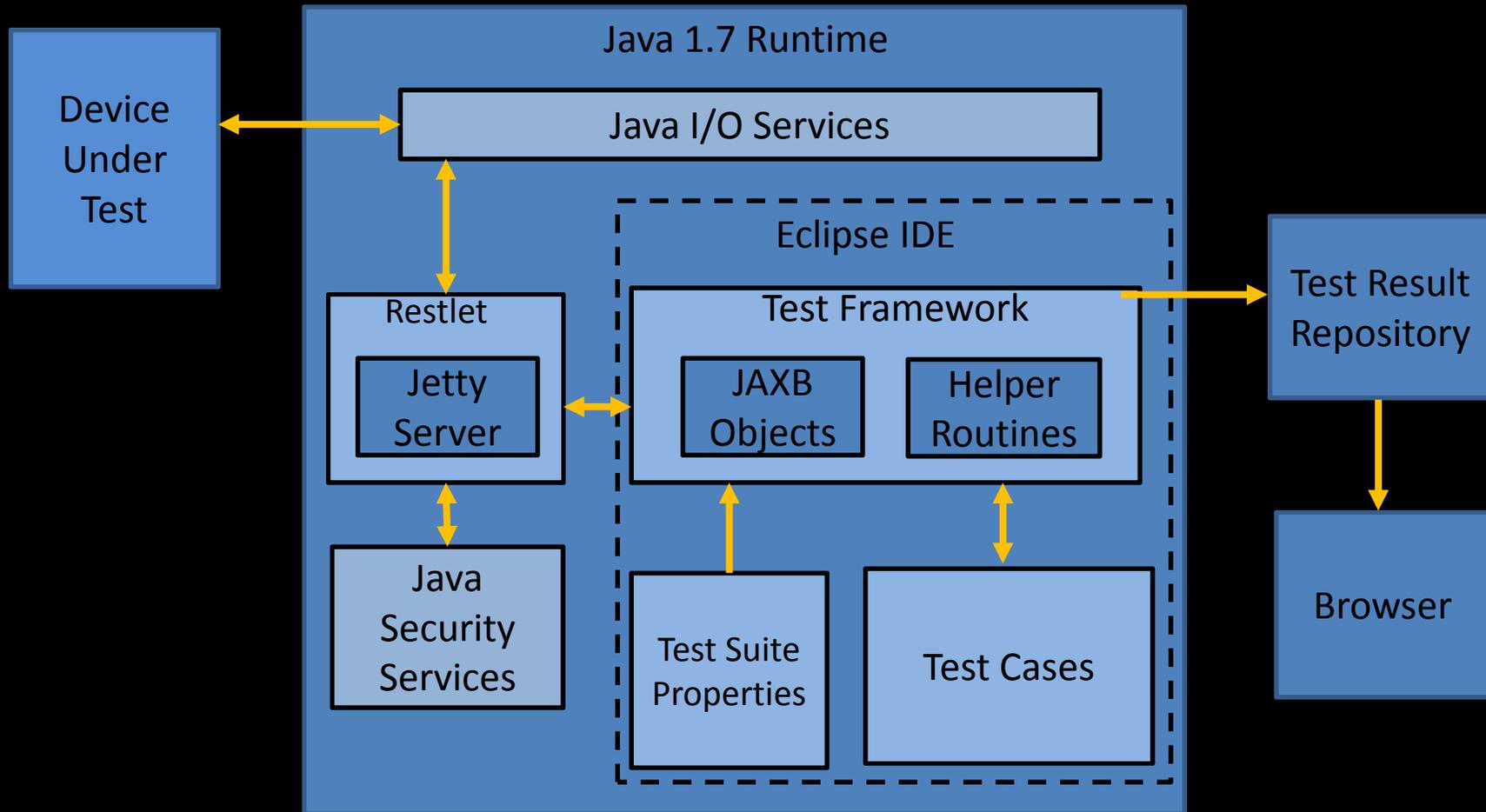
2016-05-25 06:12:52 127.0.0.1 test 127.0.0.1

-> OadrRequestEvent Request Received.

<- OadrDistributeEvent Response Returned.

2016-05-25 06:12:58 127.0.0.1 test 127.0.0.1

# Test Harness



# EPRI Open Source VEN/VTN

- EPRI released certified open source VTN and VEN in late 2014
- VEN is nicely done Windows GUI app
  - Diagnostic displays/Ad hoc testing
- VTN has a form based admin console
- QualityLogic offers a pre-installed EPRI VTN on the Amazon cloud infrastructure
  - Diagnostic enhancements

# Instance Management

- Users can manage their cloud VTN using the QualityLogic instance management page
  - Generate backups
  - Restore backups
  - Reboot, start and stop the server
  - Disable unsecured access
  - Access a support forum for help

# Instance Management



## Instance Management Page For test (test@test12.com)

System Message:

---

Time Check

Status: Instance exists and is **running** with status check result **ok**

Unsecured access: [VTN URL: http://54.172.125.180:8080](http://54.172.125.180:8080)

Secured access: [VTN URL: https://54.172.125.180:443](https://54.172.125.180:443)

---

Instance Control:

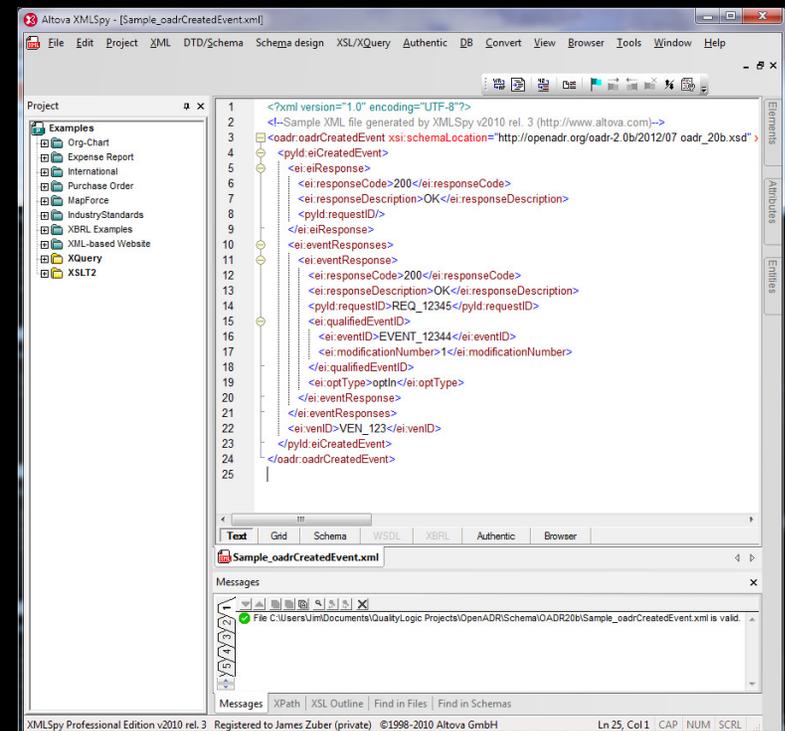
Messages:

---

Timestamp	Message
11/4/2014 1:11:57 AM	this is a test

# XMLSpy

- Used for working with XML
- Edit Schemas
- Generate sample XML document from schema
- Edit XML Documents
- Check for well-formed XML
- Validate XML payloads against schema
- Free XML editors available



# Other Resources

- [www.openadr.org](http://www.openadr.org)
  - Schema and profiles specifications (public)
  - Certification documentation package
  - Join working groups, email reflectors
  - Implementation guides (reporting, certs)
  - DR Program Guide
  - Pre-Certification Test Harness

# Other Resources

- [www.sourceforge.com](http://www.sourceforge.com)
  - EPRI VTN
  - EPRI VEN
  - EPRI VEN C++ Library
- [www.github.com](http://www.github.com)
  - EnerNOC "A" Profile VEN and VTN (only useful for XMPP implementation details)

# Other Resources

- [www.qualitylogic.com](http://www.qualitylogic.com)
  - OpenADR Developer Workshop
  - OpenADR Developer Support
  - OpenADR VTN in the Cloud
  - Pre-Certification Test Harness

# Wrap Up

- Where to find OpenADR Documents
  - [www.openadr.org](http://www.openadr.org), login, select Profile Working Group, select files tab
- Contact
  - [jimzuber@qualitylogic.com](mailto:jimzuber@qualitylogic.com)