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
Test Harness

Device Under Test

Java 1.7 Runtime

Java I/O Services

Eclipse IDE

Test Framework

JAXB Objects

Helper Routines

Test Suite Properties

Test Cases

Restlet

Jetty Server

Java Security Services

Browser

Test Result Repository
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
Secured access: VTN URL: https://54.172.125.180:443

Instance Control:
Start  Create Snapshot  Restore Snapshot  Stop  Reboot

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
  - 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