

UDIG Driver Test Suite

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Agenda

- UDIG Driver Test Suite Vision
- Detailed Objectives
- Need for Collaboration
- Current Status
- Project Documents
- Call to Action & Final Steps

UDIG Driver Test Suite Vision

- Presentation given to UDIG F2F in April
- Promote adoption of UDIG standard by delivering a portable driver test suite to:
 - Verify UDIG compliance
 - Complement OSV platform specific test suites
 - Enable developers to write quality UDI drivers with a shortened and efficient test cycle
 - Enable predictable, uniform testing coverage in a reproducible environment

Detailed Objectives

- Automated, unit-level
- As comprehensive as possible:
 - Exercises each element of interface
 - High code coverage
- Multi-platform and portable
- The architecture is extensible:
 - New test case operations can be easily added
 - SCSI & NIC initially, additional metalanguages can be easily added

Why Collaborative Project Within UDIG?

- Project too large for one company; Time is short
- Duplication of effort inefficient
- Need to empirically verify driver compatibility on multitude of platforms
- Variance in test coverage on different platforms undesirable

Current Status

- SCO engineers started design work in August/September
- Preliminary project documents available now:
<ftp://ftp.sco.com/uditest>
- Looking for feedback and participation from UDIG members

Project Documents

Project Description

- Describes project at a high level:
 - Project Objective Statement
 - Project Deliverables
 - Customers
 - Project Rationale

Project Documents

NIC Test Suite Specification

- Describes what will be tested:
 - Network Driver Test Purpose Definitions
 - NIC Driver Test Case Definitions

Project Documents

Test Suite Design

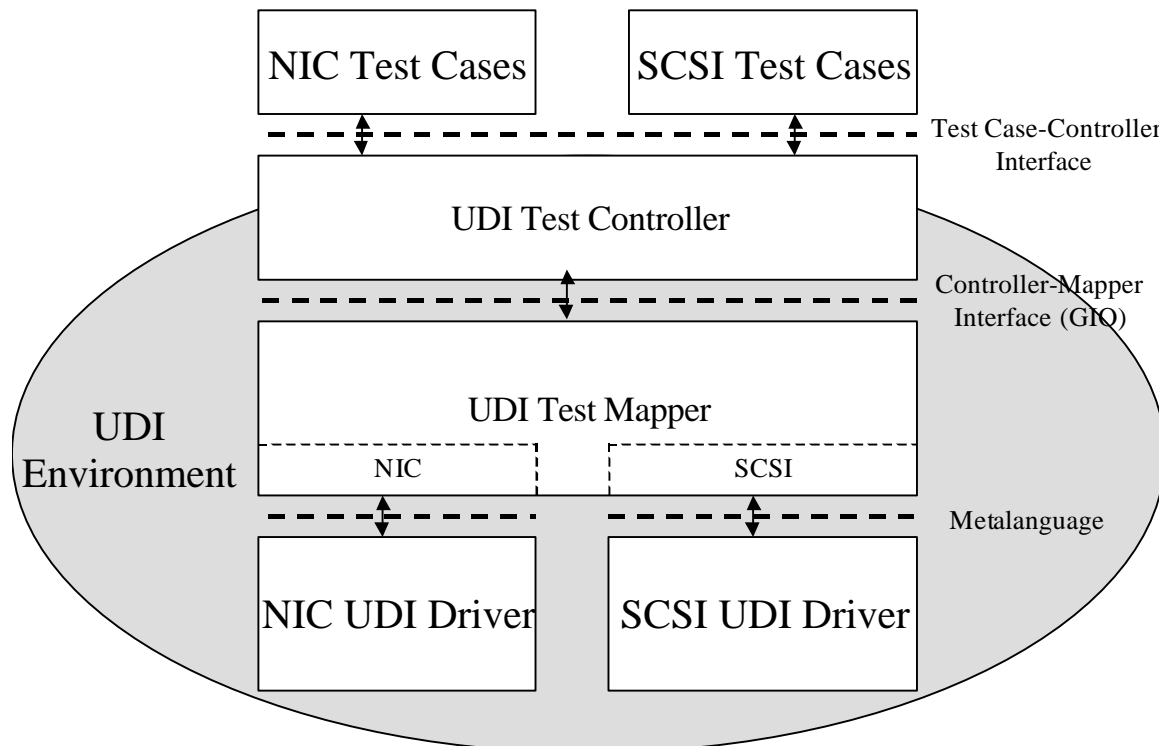
- Describes proposed software design (how the tests are built):
 - Design Goals
 - Architectural Diagram
 - Design Overview

Project Documents

Test Suite Design

(continued)

UDI Driver Test Suite Architectural Overview



*All other brands and names are the property of their respective owners.

Call to Action

- We need member companies to **get involved!**
- Each company provides contact name in email to **robm@sco.com** on available reviewers and contributors
- Conference calls and meetings to be setup as needed

Final Steps

- Complete test specifications and design
 - Include SCSI metalanguage support
- Implement UDIG driver test suite
- Make UDIG driver test suite readily available to developers via web sites.
- Market the UDIG driver test suite along with the developer guide.