



Elite Software R&D Services
Since 1990

Hot Bus Adapter Test Suites Development, Maintenance and Re-engineering

Client

A major UNIX OS manufacturer, a leading provider of software technology for distributed, embedded and network-based systems, offering its targeted solutions for small to medium business, enterprise applications, and digital network services for the companies worldwide.

Solution

The goal of the project was to develop a testing environment that would allow the system test group to verify that combinations of third party Host Bus Adapter (HBA) hardware/drivers operate correctly, as described in the client's documentation. During the project the following software applications were developed:

- Test suite for HDD devices
- Test suite for CD-ROM devices
- Test suite for tape devices
- Test suite for floppy devices
- GUI that allows test operators to configure the test suites, run the test suites, monitor their execution, and analyze results of tests execution.

The test suites included both verification tests and stress tests.

The test suites were based on the Extended Test Environment Toolkit (ETET). During the initial phase of the project ETET was ported to the client's proprietary platform. Many ETET problems/bugs were investigated and fixed.

The test suites were exercised on the existing drivers and allowed to discover problems in the existing implementation of the drivers. Appropriate user documentation and internal documentation was written as a part of this project.

Implementation

C, Visual Tcl, sh