



Changing and compressing audio/video files for a global leader in encoding and compression applications

Industry:
Enterprise

The Client:

Our Client is a global leader for encoding and compression applications, provides hardware and software solutions that enable users to easily and affordably compress, manage and deliver quality video over the Internet and to CDs, DVDs, mobile devices and other formats. The company also produces quality tools for publishing and managing user-generated content.

Business Objective:

Scope of our client's project was to validate the application for the changes and new features which had been added to its previous release. So the important aspect was to validate that all the existing features as well as the new features were shipped without defects in the release. Our main objective was to compress the audio/video file, change the audio/video codec, change the supported format and edit the video display with effects.

Solution:

Our team created test Case suite & maintained it to cover complete set of functionalities of the product. Functional & Regression testing to test the product was carried out and as the product development was based on Agile Methodology, it was more important for regression testing to be done. Matrices were generated which helped in comparing the changes in the performance timings. Automation tool Froglogic Squish 3.0 was used with Python language to prepare an 'Automation Suite' for Regression Testing and get the timings for performance comparison and other GUI functionalities. VBA on Windows platform & Shell Script on Mac platform was used for automation to calculate the compression time/size of the output files.

Challenge:

The project had Agile development model being followed so it was very important to have shorter and more frequent regression cycles for product which was achieved by a combination of VBA, Shell scripting & Froglogic Squish/Qt automation tool.

Technology:

Test Platforms:

- Windows OS
- Machintosh OS X

Automation Tools:

- Froglogic Squish/Qt for GUI automation
- VB for applications & Shell scripting

Others Tools:

- Test Track Pro

Benefits:

- The **core feature** of application were identified and automated for regression test.
- Accomplished **quicker regression cycles** with least modification requirement for Automation suits
- **Cost effective and time saving.**

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Technologies

Case Study

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