

Experiment 11 : Case study on Testing Tool-QTP**Solution:**

QTP stands for QuickTest Professional, a product of Hewlett Packard (HP). This tool helps testers to perform an automated functional testing seamlessly, without monitoring, once script development is complete.

HP QTP uses Visual Basic Scripting (VBScript) for automating the applications. The Scripting Engine need not be installed exclusively, as it is available as a part of the Windows OS. The Current version of VBScript is 5.8, which is available as a part of Win 7. VBScript is NOT an object-oriented language but an object-based language.

Where QTP Fits in?

QTP is a Functional testing tool, which is best suited for regression testing of the applications. QTP is a licensed/commercial tool owned by HP, which is one of the most popular tools available in the market. It compares the actual and the expected result and reports the results in the execution summary.

Advantages

- Developing automated tests using VBScript does not require a highly skilled coder and is relatively easy when compared to other object oriented programming languages.
- Easy to use, ease of navigation, results validation, and Report generation.
- Readily Integrated with Test Management Tool (Hp-Quality Center) which enables easy scheduling and monitoring.
- Can also be used for Mobile Application Testing.
- Since it is an HP product, full support is provided by HP and by its forums for addressing technical issues.

Disadvantages

- Unlike Selenium, QTP works in Windows operating system only.
- Not all versions of Browsers are supported and the testers need to wait for the patch to be released for each one of the major versions.
- Having said, that it is a commercial tool, the licensing cost is very high.
- Even though scripting time is less, the execution time is relatively higher as it puts load on the CPU & RAM.

Versions	Timelines
Astra Quick Test v1.0 to v5.5 - Mercury Interactive	May 1998 to Aug 2001
QuickTest Professional v6.5 to v9.0 - Mercury Interactive	Sep 2003 to Apr 2006
Hp-QuickTest Professional v9.1 to v11.0 - Acquired and Released by HP	Feb 2007 to Sep 2010
Hp-Unified Functional Testing v11.5 to v11.53	2012 to Nov 2013