

Lab 1 - “Get to know system under test and the test plan”

Purpose

The pupose of this lab is to get the virtual machine used for these labs started, to familiarize yourself with the system under test, and to finally create your own test plan for the coming test activities.

Task description

Before lab turn in the follwing:

- A screenshot of a running virtual machine and lab environment. Screenshot should contain a running System under Test (see description) and you should have created yourself as a customer in the system. Only customer, equipment/product not required.
- A test plan/approach. It’s acceptable to deliver word documents, powerpoint slides, mindmaps or any other format you think is **valuable** to you, the stakeholder and the team. Be prepared to argue for more exotic solutions though. Whatever is efficient and gives value to the stakeholder and team could be viable solutions.

Test plan

Examples of test plans:

Test plan template - IEEE829

1. Test plan identifier
2. Introduction
3. Test items
4. Features to be tested
5. Features not to be tested
6. Approach
7. Item pass/fail criteria
8. Suspension criteria and resumption requirements
9. Test deliverables
10. Testing tasks
11. Environmental needs
12. Responsibilities
13. Staffing and training needs
14. Schedule
15. Risks and contingencies
16. Approvals

Test Plan Template

Overview

- Introduce readers to test approach
- What is testing dollars “buying”?
- Concise explanation of goals
- Mention system under test architecture, decomposition methods, dependencies, and disclaimers.

Bounds

- What you will and will not test
- Establishing resources relative to test environments
- How test effort dovetails into software process

Scope

- “extent of treatment, activity, or influence; the range of operation” – *Webster*
- is/is not table

Definitions

- Start with project specific language then general testing terms

Setting

- Environmental requirements, network topology, web, client/server

Quality Risks

Quality is “features [that] are decisive as to product performance and as to ‘product satisfaction’...the word quality also refers to freedom from deficiencies...[that] result in complaints, claims, returns, rework, and other damage.” - *Juran*