Examples

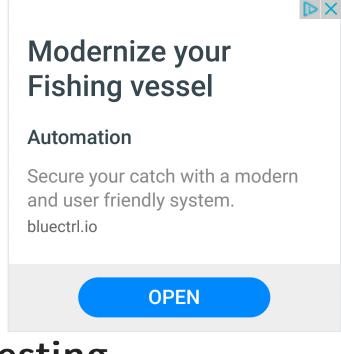
Home

What is Soak Testing? Definition, Meaning,

Q

Best VPNs For

iOS



Testing Tutorials

Scalability Testing Traceability Matrix

Soak Testing Design your Test Data

Wizink sco fár

Stability Testing



Compras online.

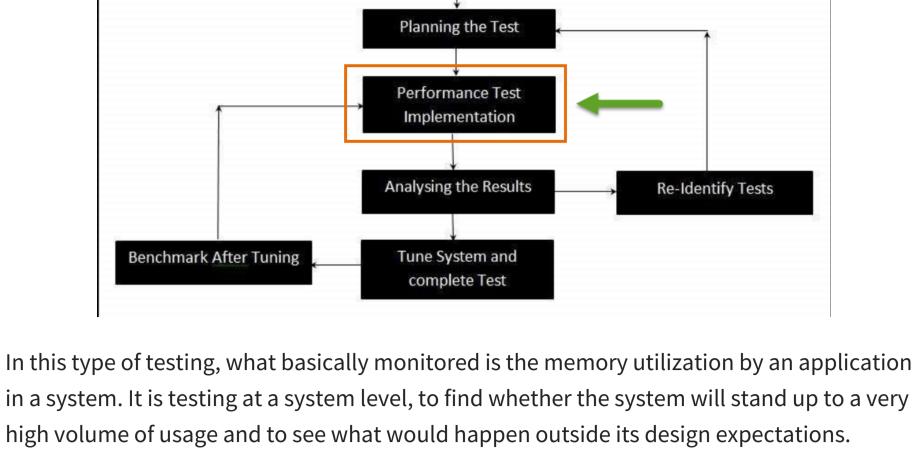
Em segurança.

** Sujeito a comissões conforme preçário em vigor

Soak Testing

Soak Testing is a type of non functional testing that is used to measure performance of a software application under a huge volume of load for an extended period of time. The goal of Soak testing is to ensure whether the software application sustains high volume of usage and to check what would happen outside its design expectations. The image below depicts a testing cycle that shows at which stage the Soak Testing (**Type** of Performance Test) is performed on an application.

Project Assessment



In this tutorial, you will learn-**FEATURED VIDEOS** What is Linux Linux Beginner Tutorial 🖆 Linux Ovtorials IrRLAYINGn



- Common issues observed during Soak Testing
- Why do Soak Testing?
- A system may behave normally when used for 2 hours, but when the same system is used
- continuously for 10 hours or more than that then it may fail or behave abnormally/randomly/it may crash. To predict such failure Soak Testing is performed.

Soak Testing should be done in the following scenarios:

When to do Soak Testing?

should be immediately reported.

2. The best time to do a soak testing is over the weekends as an application need to be in a running state for as long as over a day or night. It totally depends on the limitations of

1. Before the built is deployed to the client i.e. prior to the release of any application on a

specific platform, it needs to go through a successful series of load tests at high or

how to run any particular application for an extended period. If issues like memory

leaks/memory corruption are found during the period i.e. when it is on Soak, then it

equivalent traffic levels. After that soak testing is performed. It helps us to determine

- the testing situation. Soak tests are one of the most important compliance requirements which need to be very strictly followed by every company. **Soak Testing Strategy** Long Session Soak Testing is a strategy where a system is under load for a longer
- load on the system/database server which can result in stalling/crashing of the system/database server.

friendly system.

time.

time.

Under Long Session Soak Testing, multiple day's (say 30 days) activities are performed in a restrained time frame (say 2 days). The number of transaction in this restrained timeframe

should match or surpass multiple days' worth of transactions. The focus should be on the

number of transactions processed. The most important part of Soak Testing is to check the

available memory in the CPU and the amount of the memory that will be in usage. We need

to record the memory usage at the start and the end of a soak test. If necessary, then the

A simple example is where the user stays logged into a system for many hours executing a

number of business transactions. In this way, a lot of data gets created. There can be lots of

memory usage of facilities such as Java Virtual Machines are also important and needs to be monitored. Below are few more checks that need to be done by any user/tester before they begin with Soak Testing: a) Monitor the database resource consumption.

Secure your catch with a modern and user

A standard Soak Testing Method should have the following characteristics: -

• The duration of most Soak Test is often determined by the time available.

b) Monitor the server resource consumption (ex- CPU usage).

Characteristics of Soak Testing

EXAMPLES of Soak Testing

performance under the controlled conditions.

rounding errors that manifest only over time).

c) Soak test should run with realistic user concurrency.

• Any application must run without any interruption if it requires an extended period of

• It should cover all the scenarios that are agreed upon by the stakeholders. • Mostly every system has a regular maintenance window time period and the time between such window periods is a key driver for determining the scope of a Soak Test.

• In the case of banking domain when there is a large amount of data from merchants, the tester will put the system under load continuously for 70hrs to 150 hrs to check how the application behaves during this loading period.

Common issues observed during Soak Testing

which would eventually result in the entire system stalling).

• Suppose there are 33,000 logins, which needs to be put through the system, it

at 6 am. Only with such a test, it will be possible to observe any degradation of

- In the case of Video games, Mobile applications, etc. involve leaving the game or application in a running state for a prolonged time period, in various modes of operation- such as idling, paused at the title screen and so on to find out whether an application can handle the continuously expected load.
- long period of sustained activity is as good as it was at the beginning of the test. 4. Failure to close connections between tiers of a multi-tiered system under some circumstances which could stall some or all modules of the system. 5. The gradual degradation of a response time of some functions as internal datastructures become less efficient during a long test.

• In Software Engineering, Soak testing is done to determine if the application under test

• It helps the system to determine whether it will stand up to a very high volume of usage

Report a Bug

Download

SOFTWARE TESTING

Excel, Word Formats

What is Test Case

application in a system • Checks that need to be done by any user/tester before they begin with Soak Testing include Monitor the database resource consumption.

Monitor the server resource consumption (ex- CPU usage).

• Soak test should run with realistic user concurrency.

• In this type of testing, what basically monitored is the memory utilization by an

Prev

What is

Testing

YOU MIGHT LIKE:

Advantages &

Disadvantages

divides software...

SOFTWARE TESTING

Read more »

Read more »

About

About Us

Write For Us

Contact Us

Interesting

Execute HTML

Execute Python

© Copyright - Guru99 2021

eBook

Blog

Advertise with Us

Career Suggestion

SAP Career Suggestion Tool

Software Testing as a Career

SDLC

This article is contributed by Pallavi De

can sustain the continuous load.

• It is a type of performance test.

Summary

Waterfall Sample Test Case Model in SDLC? **Template: Example**

What is The Waterfall Template? A Test Case Model? WATERFALL MODEL Template is a well-designed is a sequential model that document for developing

and...

Read more »

SOFTWARE TESTING

Insurance **Domain Applications with Component Testing? Sample Test Cases Techniques, Example**

fyin D

Test Cases Insurance Domain Testing What is Component Insurance Domain Testing is a software testing process is defined as a software to test the...

Testing? Component testing

testing type, in which the...

Read more »

What is

Selenium

Examples of Different Testing What is a Software Testing Type? Software Testing Type is a classification of

100

Testing







represents seven and a half days of activity. In this case, a 60-70 hours of Soak Test can be started by Friday evening around 6 pm which can be completed by Monday morning

OPEN

1. Memory allocation (memory leaks that would eventually result in a memory crisis or 2. Database resource utilization (Failure to close database cursors under some conditions 3. It can also lead to performance degradation, i.e. to ensure that the response time after a

Types of Software Testing:

Next 🔰

What is

SOFTWARE TESTING

Concurrency Testing in

Software Testing?

What is Concurrency

Testing? Concurrency

Testing is defined as a

testing technique to detect

erforming same action at

lyting the test result

the...

Types

Read more »

SOFTWARE TESTING

different testing...

Read more »

pes of Software To

Top Tutorials





Informatica

JIRA

Python

Hacking



Jmeter

Privacy Policy | Affiliate Disclaimer | ToS

Quiz SAP eBook **Execute online** Execute Java Online **Execute Javascript**