

# ENDURANCE TESTING

## What is Endurance Testing?

Endurance Testing also known as Soak Testing is performed to determine if the application under test can sustain the continuous loads.

Endurance testing, non-functional testing involves examining the system if it can withstand a huge load for a longer period of time and thereby measuring the system's reaction parameters.

## Issues found - Endurance Testing

- Serious memory leaks that would eventually result in application or Operating System crash
- Failure to close connections between the layers of the system could stall some or all modules of the system.
- Failure to close database connections under some conditions might result in complete system crash.
- Gradual degradation of response time of the system as the application becomes less efficient as a result of prolonged test.

## Example:

A system may behave as expected when tested for about 2 hours but when the same system is tested for 5 hours or even more than that, the problems such as memory leaks cause the system to fail or behave randomly or even the application might crash.