

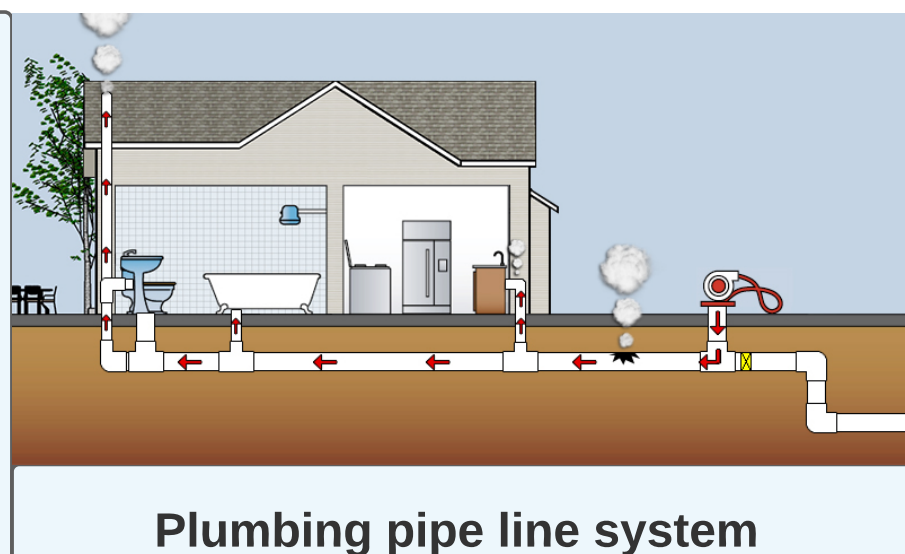
# Smoke Testing

## Interview Question & answers in this article:

What is **smoke** test?

- **How many scenarios** do you have in your smoke test?
- **How long does it** take to run?
- **What time** do you run your Smoke test?
- How do you see the Smoke test result?

The term “**Smoke Testing**” is likely originated in the plumbing industry. **Plumbing Smoke Testing** makes **discovering leaks** and cracks in a project entire pipe. Then software development industry used "Smoke test" title.



## What is Smoke Testing ?

- Smoke testing is **performed everyday** to determine **whether the application is stable or not**, and the qa environment is up and running .
- The Smoke test is **meant to be quick to execute**, and **its goal is** to assure that the major features of your system are working as expected.
- It consists of a minimal set of tests run.

## Is smoke testing performed automatically or manually?

- It is done **automatically** through **Jenkins, Github, and virtual machines**.
- If there is **any bug/error** found from smoke test, **then QA team** need to **test manually** to confirm the bug and identify which major function has the bug.

## How often do you perform smoke test?

- Our Smoke test runs once every day morning.

(Note: There are some companies run smoke test twice a day - one before working, one after working)

## How many scenarios do you have in your smoke test?

- Ideal answer can be between 50 - 90 scenarios.

( In real work, the number is as little as 5 scenarios, or big as 200 scenarios. However, in the interview, you want to answer the most common situation so you won't be questioned more detail about it.)

## How long does it take to run smoke test?

- Smoke test should takes around 15~30 minutes to run.

## Who select scenarios to smoke test list? How often add more scenarios to smoke test?

- Smoke test scenarios are **selected in a meeting with all the testers**.
- **More scenarios are added** to run as smoke test, **when there is a major function is developed** to the app.

## How to get smoke test result?

- Since smoke test is automatically tested, the **test result** is also automatically prepared and sent to each tester's **email**.

## How do you run your smoke test?

- we use **Jenkins** tool for **scheduling** and **running** out **automated** smoke tests.
- It runs everyday at 5 AM.
- I have **75 scenarios** in my smoke suite
- It takes around **25 minutes to run**.
- All the testers receive test **report** to their **emails**.

A scenario is **possible / testable** activity to a function.

(will learn more in deep in the future)

## Scenarios example to login function:

- login as a restaurant admin
- login as a chef
- login as a customer
- login with incorrect credential (user-name, password)



```
17 lines (15 sloc) | 411 Bytes
1 @Logout
2 Feature: Log out feature
3 @smoke
4 Scenario: Driver
5   Given I login as a "driver"
6   When I logout
7   Then the page title should be "Login"
8 @smoke
9 Scenario: Sales manager
10  Given I login as a "sales manager"
11  When I logout
12  Then the page title should be "Loginwv"
13 #
14 # @smoke
15 # Scenario: Store manager
16 #   Given I login as a "store manager"
17 #   When I logout
18 #   Then the page title should be "Login"
```



Jenkins

Project name: **Some** Test  
Code URL: [www.GitHub.com.companyname/projectname](http://www.GitHub.com.companyname/projectname)  
Goal : **tags="smoke"**  
Time : **5 AM** , Mon-Sun  
Report type: Cucumber Report  
Send-to:  
tester1@companyName.com  
tester2@companyName.com  
tester3@companyName.com  
  
Can be added developers' emails:  
developer1@companyName.com  
developer2@companyName.com  
developer3@companyName.com

