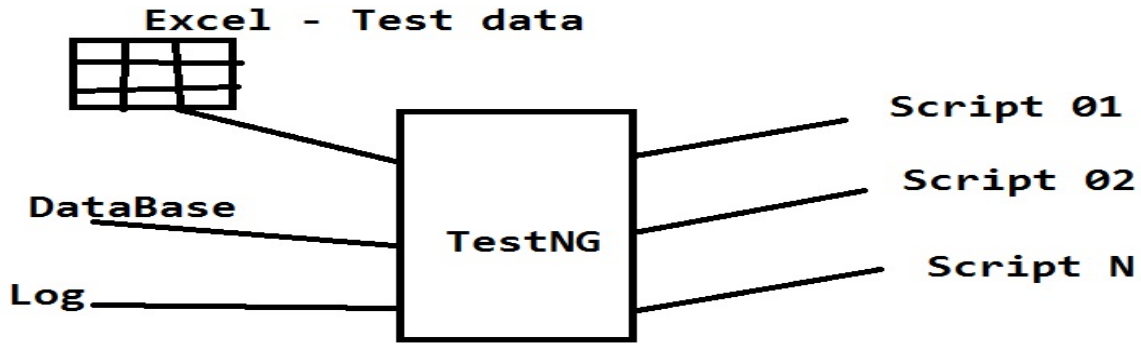
TestNG

TestNG stands for Test Next Generation

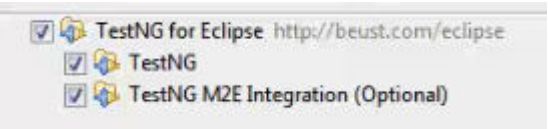
This is a unit testing frame work of Java which is used to integrate various automation Scripts along with Test data excel files, data base etc into one unit and then execute them from single point of Control.



Configuring TestNG into Eclipse

TestNG should be downloaded from the external site and configure into eclipse

Open eclipse → click on Help menu → Click on Market place → under Find search find TestNG→ Click on Install button → Installation will start(its a plug-in for Eclipse)→



Uncheck “TestNG m2E integration” → Click on Next → it will start configuring→ accept licence → click on Finish→ now its install Software → Click on OK → Restart Eclipse when it finish installation

Checking whether TestNG is configured or not

Click on Window menu in Eclipse → select Show View → select others →Expand JAVA → Check for TestNG

TestNG Annotations:

@Test

@BeforeTest

@AfterTest

@BeforeMethod

@AfterMethod

@Parameters

@Test:- This represents a test case. The Functionality that we want to test through Annotation should be given within @Test.

@Before Method :- This is executed prior to each Test case in the current Class.

@After Method :- This is executed after each test case in the current class.

@Before Test :- This is executed before all the classes present in the Test tag

@After Test :- This is executed after all the classes present in the Test Tag

@Parameters:- This is used to pass Arguments to the Test Cases from a file called TestNg.xml

@Before Suite:- This is executed only once at the beginning of the entire Test Suite.

@After Suite:- This is executed only once at the end of the entire Test Suite

Dynamic Xpath

In certain Applications we had Elements whose Xpath's constantly change. They are called as dynamic Xpath. They can be handled using 3 different JavaScript functions.

1) starts-with()

Syntax :-

```
//*[starts-with(@attribute,'starting part of value which does not change')]
```

2) ends-with()

Syntax:-

```
//*[ends-with(@attribute,'ending part of the value which does not change')]
```

3) contains()

Syntax:-

```
//*[contains(@attribute,'some part of value which does not change')]
```
