

XSLT Reporting

Key points

Agenda

- ▶ What is XSLT Report (XML Style-sheet language for transformation)
- ▶ How to use ANT build tool
- ▶ Download ANT
- ▶ Verify ANT Installation
- ▶ Execute Build
- ▶ Verify report folder

XSLT Report

XSLT stands for XML Style-sheet language for transformation, it provide very rich formatting report using TestNG framework

To generate XSLT report in Selenium is ready with below precondition.

Precondition-

- 1- Ant should be installed-
- 2- We should have some test case should be executed by TestNG (i.e. -output directory should be available in home directory)

Install ANT-



Install ANT

What is Ant?

1-Apache Ant is a Java based **build tool** from Apache.

2-Apache Ant's build files are written in XML.

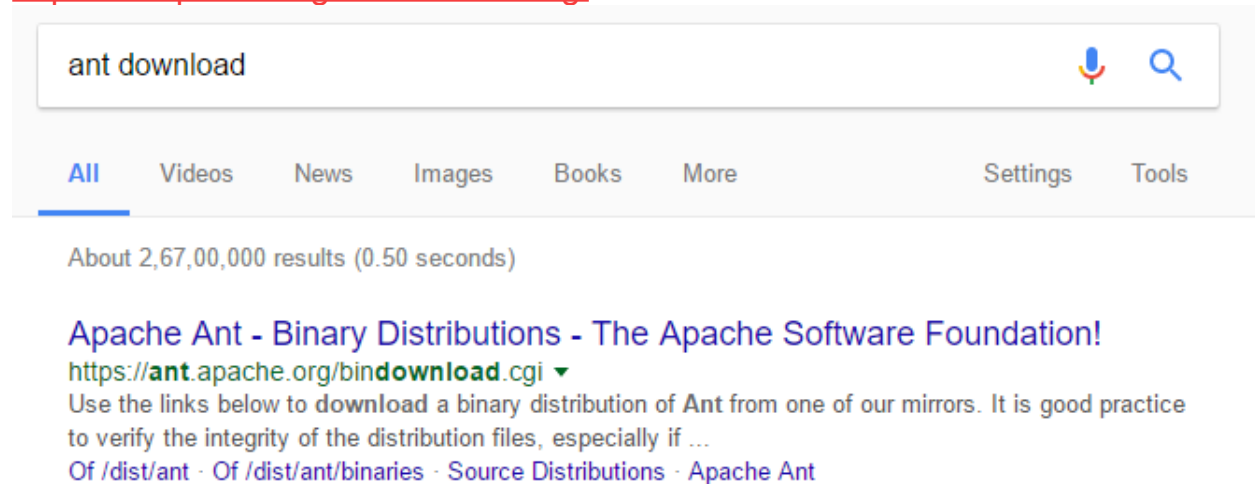
3-Open Source tool

This post will cover you how to install Apache ANT to automate the build and deployment process in simple and easy steps.

Let us Generate XSLT Report in Selenium

Step 1- Navigate to below mention URL

<http://ant.apache.org/bindownload.cgi>



Step 2- Navigate to Current release of ant and download the zip file

Download Ant

Current Release of Ant

The Apache Ant team currently maintains two lines of development. The 1.9.x releases require Java5 at runtime and 1.10.x requires Java8 at runtime. Both lines are based off of Ant 1.9.7 and the 1.9.x releases are mostly bug fix releases while additional new features are developed for 1.10.x. We recommend using 1.10.x unless you are required to use versions of Java prior to Java8 during the build process.

Currently, Apache Ant 1.9.8 and 1.10.0 are the best available versions, see the [release notes](#).

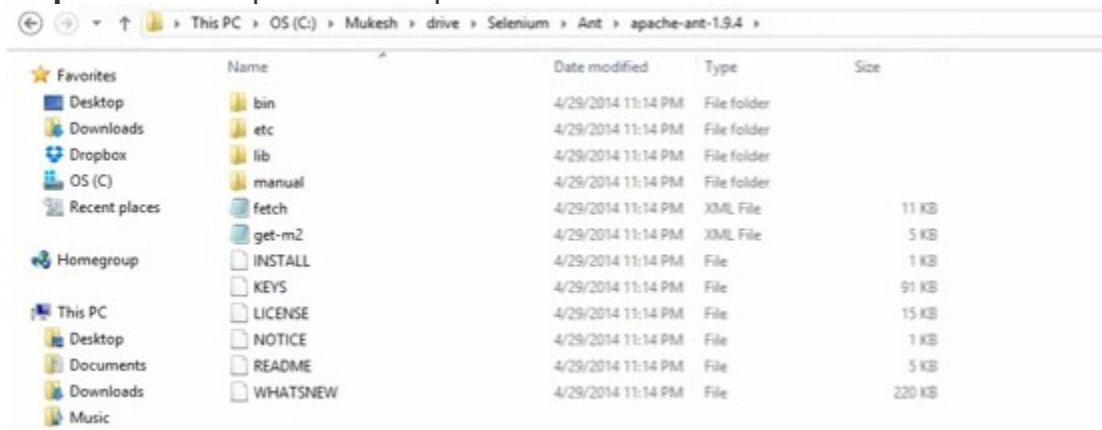
Note

Ant 1.9.8 and 1.10.0 have been released on 31-Dec-2016 and may not be available on all mirrors for a few days.

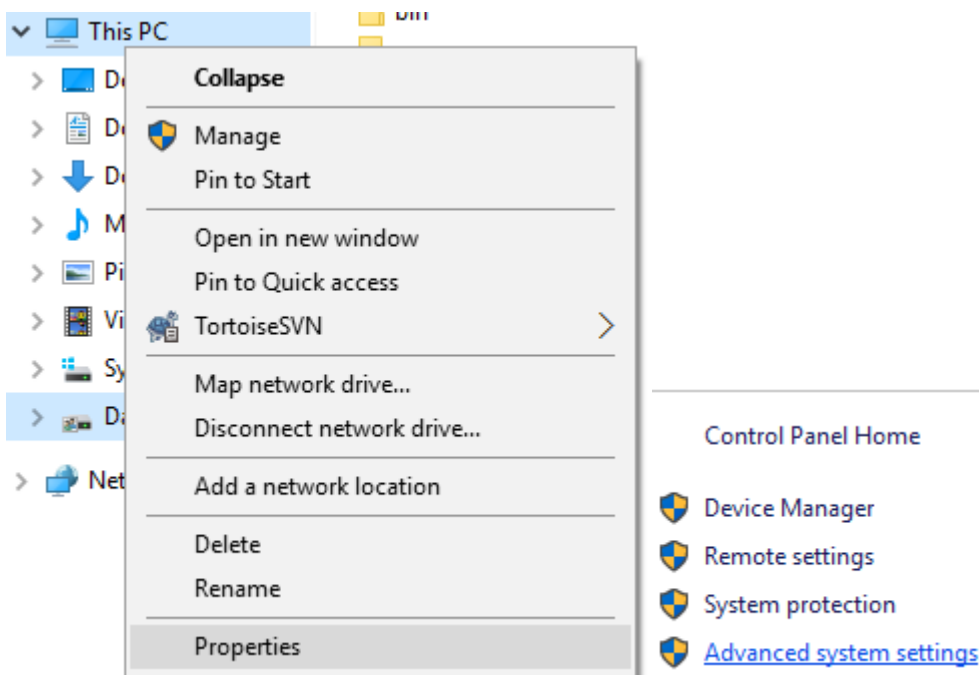
Tar files may require gnu tar to extract

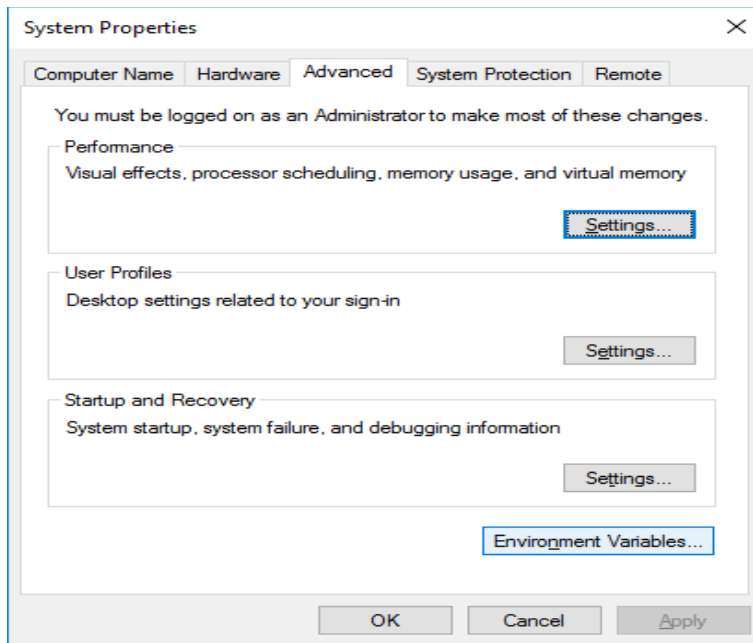
Tar files in the distribution contain long file names, and may require gnu tar to do the extraction.

- 1.10.0 .zip archive: [apache-ant-1.10.0-bin.zip](#) [PGP] [SHA1] [SHA512] [MD5]
- 1.9.8 .zip archive: [apache-ant-1.9.8-bin.zip](#) [PGP] [SHA1] [SHA512] [MD5]
- 1.10.0 .tar.gz archive: [apache-ant-1.10.0-bin.tar.gz](#) [PGP] [SHA1] [SHA512] [MD5]
- 1.9.8 .tar.gz archive: [apache-ant-1.9.8-bin.tar.gz](#) [PGP] [SHA1] [SHA512] [MD5]
- 1.10.0 .tar.bz2 archive: [apache-ant-1.10.0-bin.tar.bz2](#) [PGP] [SHA1] [SHA512] [MD5]
- 1.9.8 .tar.bz2 archive: [apache-ant-1.9.8-bin.tar.bz2](#) [PGP] [SHA1] [SHA512] [MD5]

Step 3- Extract zip file - Example

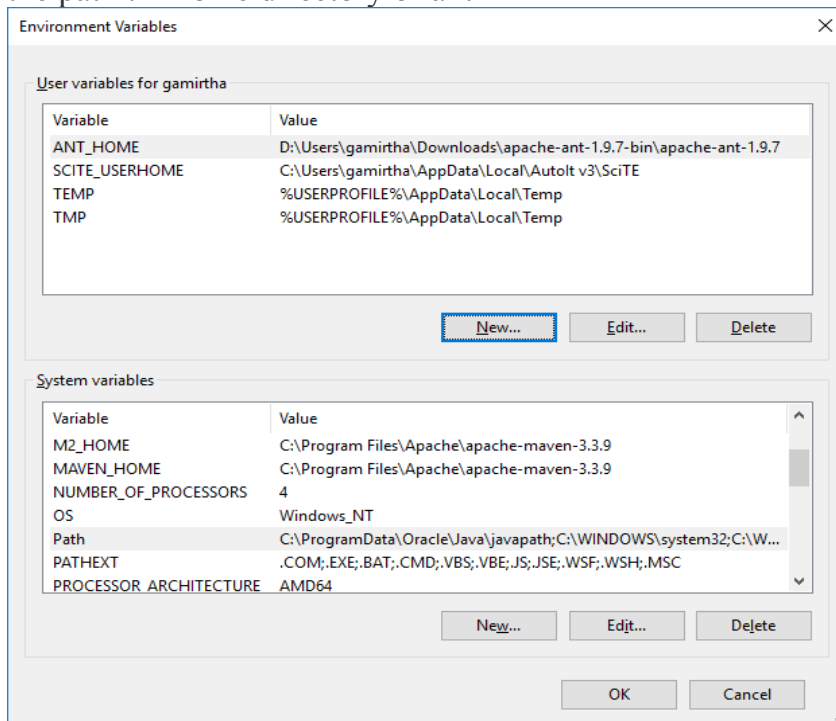
Step 4- Once we extract the zip file then we need to set environment variable
Right click on my computer and select the properties and click on advanced system setting

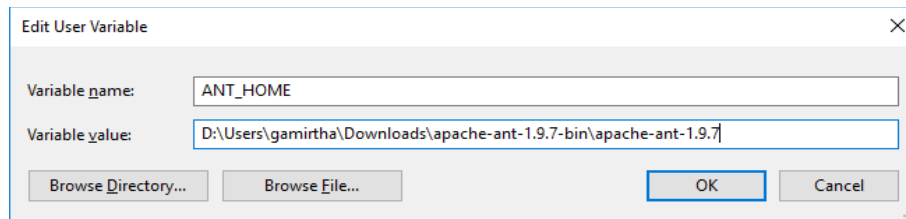




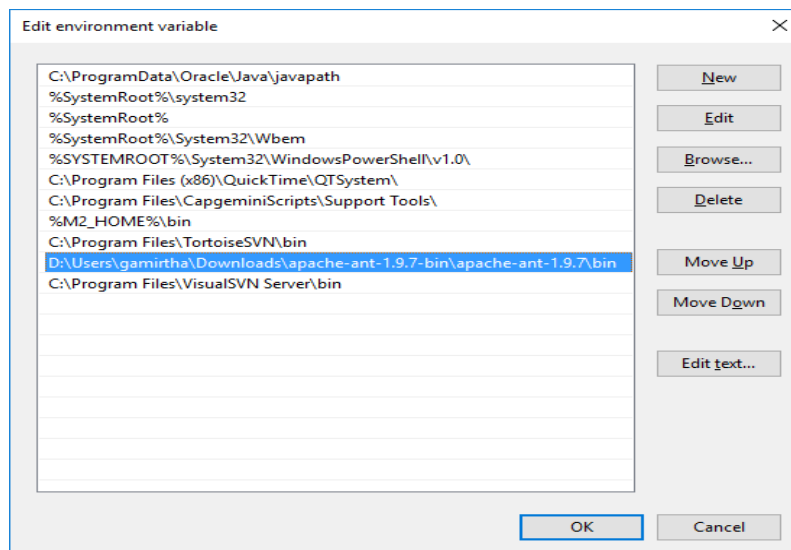
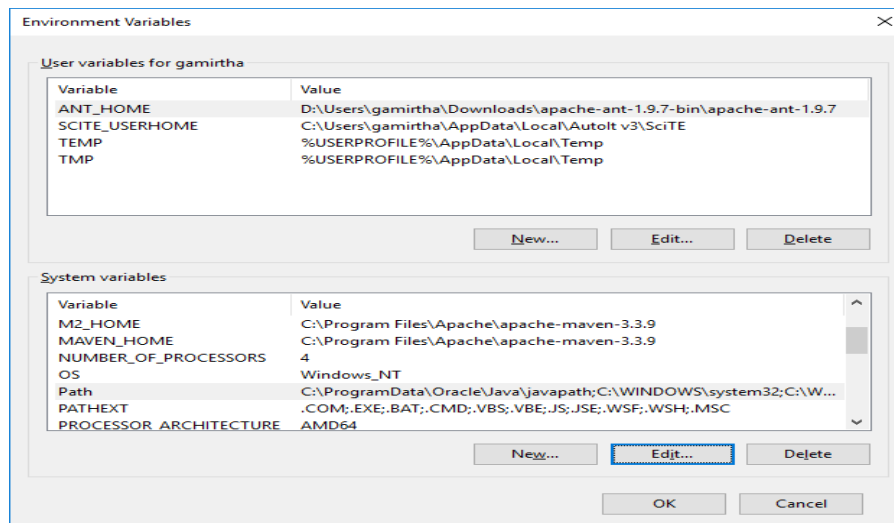
Add new variable

Add the user variable – Here give the name ANT_HOME and in value section specify the path till home directory of ant



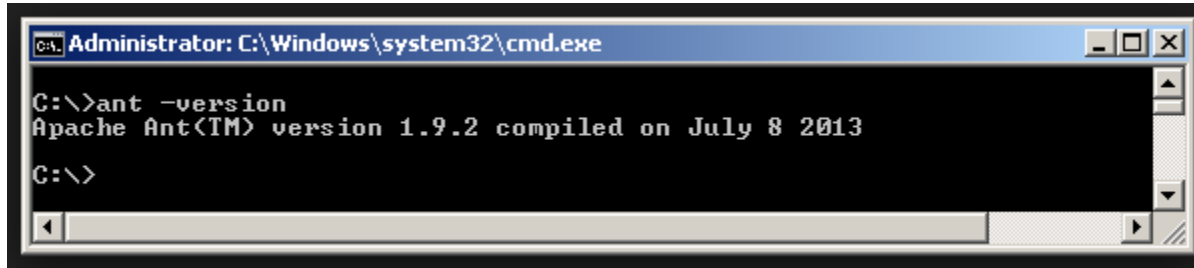


Add system variable- In this we need to edit existing system path click on edit, go till last and give the location till bin and save then semicolon.



Note- Please do not edit other path- it may crash your system.

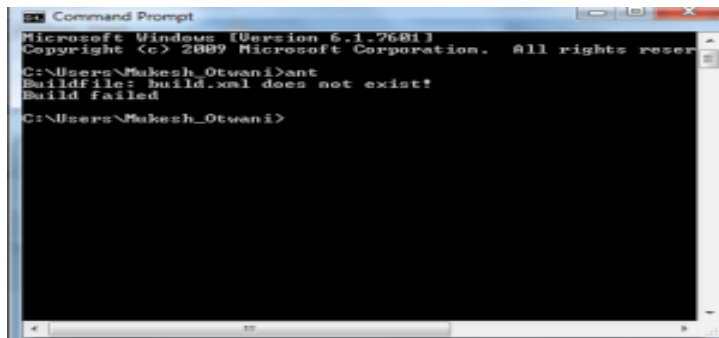
Steps 5- Now verify that Ant is installed properly- Open CMD and type run and hit enter.



```
Administrator: C:\Windows\system32\cmd.exe
C:\>ant -version
Apache Ant(TM) version 1.9.2 compiled on July 8 2013
C:\>
```

Ant is installed

Note- if it is not installed properly then in output console we will get build.xml not found-build failed the restart your system.



```
Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Makesh_Otwani>ant
Buildfile: build.xml does not exist!
Build failed

C:\Users\Makesh_Otwani>
```

Build failed

XSLT

Step 1- [Download XSLT from my Google driver account.](#)

Step 2- Unzip XSLT Folder and copy all the files and paste into project home directory.
Refer below screen-shot

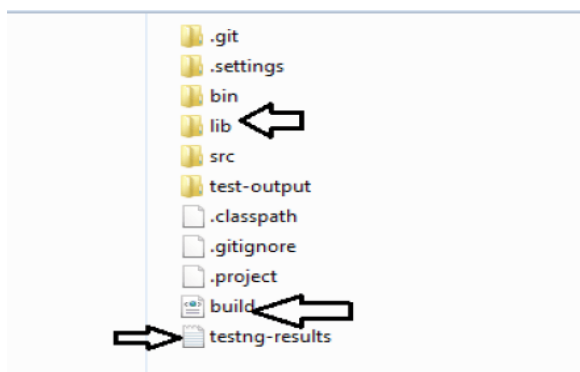
Name	Date modified	Type	Size
lib	10/3/2016 3:36 PM	File folder	
build	11/17/2013 12:53 ...	XML Document	2 KB
testng-results	5/8/2013 9:39 AM	XSL Stylesheet	58 KB

Download XSLT Folder

Name	Date modified	Type	Size
.settings	1/4/2017 11:16 AM	File folder	
src	1/4/2017 11:16 AM	File folder	
target	1/4/2017 11:53 AM	File folder	
test-output	1/4/2017 11:16 AM	File folder	
.classpath	1/4/2017 11:36 AM	CLASSPATH File	1 KB
.gitignore	1/4/2017 11:16 AM	GITIGNORE File	1 KB
.project	1/4/2017 11:16 AM	PROJECT File	1 KB
pom	1/4/2017 11:48 AM	XML Document	2 KB

Project home directory

Total 3 files (build.xml, testng-results and lib folder) added as below



Unzip and add the XSLT Folder

Step 4- Now execute build.xml file using Ant – for running build.xml file
Open command prompt and go till project home directory and type run and hit enter.

```
C:\Users\gamirtha>cd C:\Users\gamirtha\git\caphome\Test
C:\Users\gamirtha\git\caphome\Test>_
```

Home directory- specify path of project in a workspace

```
C:\Users\gamirtha\git\caphome\Test>ant

Buildfile: C:\Users\gamirtha\git\caphome\Test\build.xml

BUILD SUCCESSFUL
Total time: 0 seconds

C:\Users\gamirtha\git\caphome\Test>
```

Step 5- Open command Prompt and type ant generateReport

```
C:\Users\gamirtha\git\caphome\Test>ant generateReport
```

```
Buildfile: C:\Users\gamirtha\git\caphome\Test\build.xml

generateReport:
  [mkdir] Created dir: C:\Users\gamirtha\git\caphome\Test\testng-xslt
  [xslt] Processing C:\Users\gamirtha\git\caphome\Test\test-output\testng-results.xml to C:\Users\gamirtha\git\caphome\Test\testng-xslt\index.html
  [xslt] Loading stylesheet C:\Users\gamirtha\git\caphome\Test\testng-results.xsl

BUILD SUCCESSFUL
Total time: 0 seconds

C:\Users\gamirtha\git\caphome\Test>_
```

Step 6 - After build is successful navigate to project directory and you will get testng-xslt folder

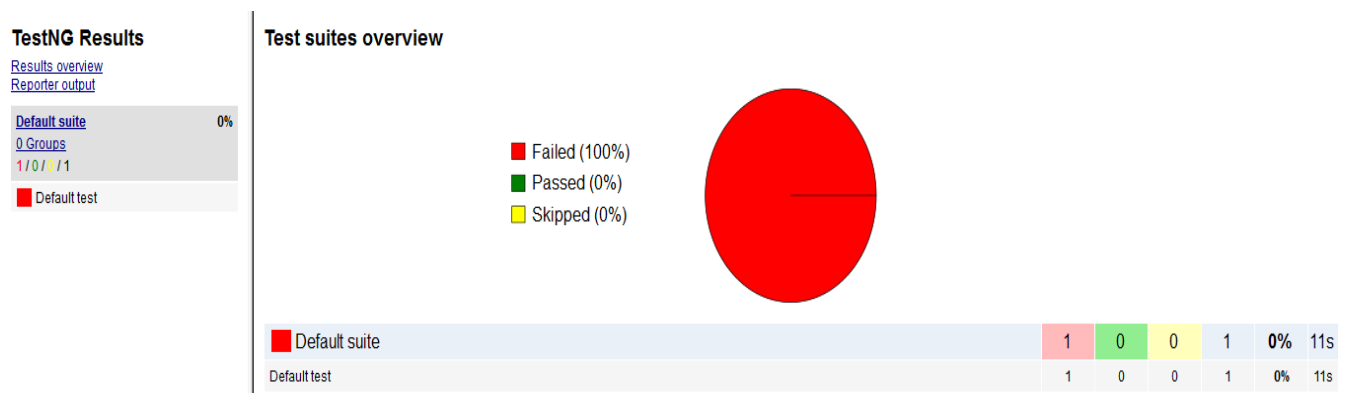
Name	Date modified	Type	Size
.settings	1/4/2017 11:16 AM	File folder	
lib	1/30/2017 12:30 PM	File folder	
src	1/4/2017 11:16 AM	File folder	
target	1/4/2017 11:53 AM	File folder	
testng-xslt	1/30/2017 12:30 PM	File folder	
test-output	1/30/2017 12:27 PM	File folder	
.classpath	1/30/2017 12:24 PM	CLASSPATH File	1 KB
.gitignore	1/4/2017 11:16 AM	GITIGNORE File	1 KB
.project	1/4/2017 11:16 AM	PROJECT File	1 KB
build	11/17/2013 12:53 ...	XML Document	2 KB
pom	1/30/2017 12:24 PM	XML Document	1 KB
testng-results	5/8/2013 9:39 AM	XSL Stylesheet	58 KB

Step 7 – Open index.html from testng-xslt

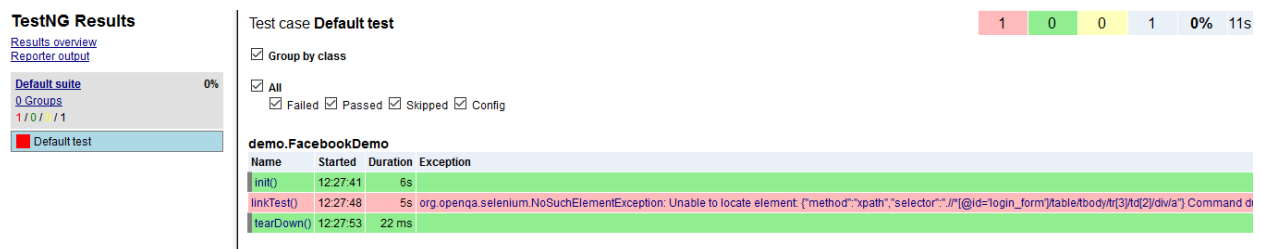
Inside testng-xslt you will get index.html (this is the main report) open in Firefox or in Chrome browser which support JavaScript

Name	Date modified	Type	Size
Default suite	1/30/2017 12:30 PM	Firefox Document	30 KB
Default suite_Default test	1/30/2017 12:30 PM	Firefox Document	30 KB
Default suite_groups	1/30/2017 12:30 PM	Firefox Document	2 KB
index	1/30/2017 12:30 PM	Firefox Document	1 KB
main	1/30/2017 12:30 PM	JavaScript File	7 KB
navigation	1/30/2017 12:30 PM	Firefox Document	3 KB
overview	1/30/2017 12:30 PM	Firefox Document	3 KB
overview-chart	1/30/2017 12:30 PM	SVG Document	2 KB
reporterOutput	1/30/2017 12:30 PM	Firefox Document	1 KB
style	1/30/2017 12:30 PM	Cascading Style S...	3 KB

XSLT Reports:-



Test Suite Overview



Test Case View