

# SeeTestAutomation- Project Folder

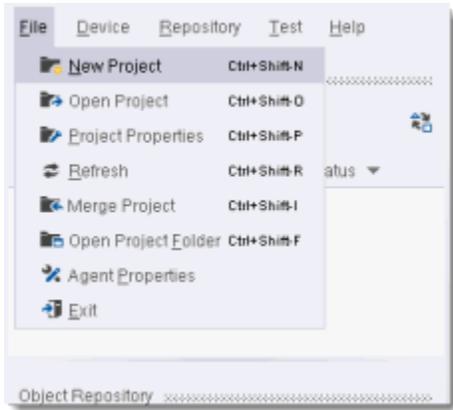
**Description:** A SeeTest Automation **project** is a folder where data related to the current state of SeeTest Automation is stored. It always requires a project to be loaded.

## Note

When starting SeeTest Automation for the first time, a project is automatically generated in the path `C:\Users\\workspace`.

## The Projects Menu

Clicking on **File** will open the menu related to SeeTest Automation projects.



- **NewProject** - Create a new SeeTest Automation project.
- **Open Project** - Open an existing project from local disk.
- **ProjectProperties** - Show the properties of the currently loaded project.
- **Merge Project** - Merge different projects into one.
- **OpenProjectFolder** - Open the project's folder.

## The Project Folder

A SeeTest Automation project folder contains several sub-folders with information regarding the current state of SeeTest Automation.

Name	Date modified	Type	Size
default	4/28/2014 12:53 PM	File folder	
events	3/12/2014 3:05 PM	File folder	
New Zone	4/28/2014 3:28 PM	File folder	
scenarios	3/21/2014 11:22 AM	File folder	
scenes	4/28/2014 3:27 PM	File folder	
.project	4/28/2014 3:27 PM	PROJECT File	1 KB
cache.tmp	4/28/2014 2:23 PM	TMP File	1 KB
default.xml	4/28/2014 12:53 PM	XML Document	7 KB
New Zone.xml	4/28/2014 3:28 PM	XML Document	2 KB
statistics.data	4/28/2014 2:23 PM	DATA File	1 KB

- **The Object Repository** - The entire SeeTest Automation repository is saved in the project directory. Each repository zone has its own `.xml` file (notice the `default.xml` and `New_Zone.xml` files in the above screenshot) that contains the properties of all objects in the zone, and a subfolder with separate image and properties files for each object.
- **Scenarios** - When creating a test and saving it in SeeTest Automation it is saved in this folder. Each scenario is saved in three different formats, `xml`, `java` and `cs`.
- **Scenes** - This folder contains all the devices screenshots taken by SeeTest Automation either during runtime (by using the [SeeTestAutomation-Capture](#) command) or from the `Debug` tab in the studio.
- **Events** - Events recorded using the [SeeTestAutomation - Event Recording](#) feature will be saved in this folder. The events are saved as files with `.event` extension.

## The setProjectBaseDirectory Method

When [exporting](#) the SeeTest Automation script to an external code environment, there is a designed command which specifies the project location. This should be a part of the pre-execution setup. The string entered into the `setProjectBaseDirectory` method should be the direct path to the project folder. Repository objects or recorded events that will be called for during the test will be properly identified and used as long as they are saved in the project folder set for this execution. For example in Java:

```
//package <set your test package>;
import com.experitest.client.*;
import org.junit.*;
/**
 *
 */
public class test1 {
    private String host = "localhost";
    private int port = 8889;
    private String projectBaseDirectory = "C:\\NewProject";
    protected Client client = null;

    @Before
    public void setUp(){
        client = new Client(host, port);
        client.setProjectBaseDirectory(projectBaseDirectory);
        client.setReporter("xml", "reports", "Untitled");
    }

    @Test
    public void testUntitled(){
        // it is recommended to start your script with SetDevice command:
        // client.setDevice( <Device Name>);
    }

    @After
    public void tearDown(){
        client.generateReport();
    }
}
```

## Shared Projects

When a team of testers is working on the same project, it is recommended to use a shared folder as the project directory.

This project will relate to the code project and source controlled.

This will allow all members of the team to access and edit the object repository of the project.

Copying a complete project manually from one PC to another is very simple, just copy the entire [project directory](#) to the recipient PC, and load that project folder into SeeTest Automation using the [File --> Open Project](#) option or the `setProjectBaseDirectory` method if you are working from a code environment.

Moving repository objects manually from one project to another also possible:

- In order to copy complete zones from one project to another, simply copy both the `.xml` file of the zone and the entire zone [sub-folder](#) into the recipient project folder.
- Moving specific objects from a repository zone to a zone in a different project is a more complicated process. It requires copying the object's own `.xml` and `.png` files into the recipient zone [sub-folder](#), as well as to manually modify the `.xml` file of the recipient zone, by adding to it the block relevant to the new object that is being added. The proper block is the one defined by `<obj text="object name">` and `</obj>`.

```
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
New Zone.xml
1 <?xml version="1.0" encoding="UTF-8" ?><domain fixed="false" fullWindow="true" name="New Zone">
2 <obj text="Hangouts" version="1">
3 <images enable="true">
4 <image file="New Zone\Hangouts.PNG" jump="1" mainColor="-ad54c9" max="0" min="0" scanner="Advance Similarity" similarity="97"/>
5 </images>
6 <text color="2147483647" enable="false" filter="false" ignoreCase="false" regexp="false" sensitivity="10" text="" />
7 <native allIOS="" allIOS="" class="android.widget.TextView" classBS="" classIOS="" classWF="" contentDescription="" contentWF="" enable="true" enableBS="false" enableIOS="false" enableWF="fal
8 <web enable="false" method="" value="" />
9 </obj>
10 <obj text="Chrome" version="1">
11 <images enable="true">
12 <image file="New Zone\Chrome.PNG" jump="1" mainColor="-204bd6" max="0" min="0" scanner="Advance Similarity" similarity="97"/>
13 </images>
14 <text color="2147483647" enable="false" filter="false" ignoreCase="false" regexp="false" sensitivity="10" text="" />
15 <native allIOS="" allIOS="" class="android.widget.TextView" classBS="" classIOS="" classWF="" contentDescription="" contentWF="" enable="true" enableBS="false" enableIOS="false" enableWF="fal
16 <web enable="false" method="" value="" />
17 </obj>
18 </domain>
19
```