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# Windows UFT Tutorial

The Applitools Eyes UFT/QTP SDK allows you to easily add visual checkpoints to your UFT/QTP tests. It takes care of getting screenshots of your application from the underlying UFT, sending them to the Eyes server for validation and failing the test in case differences are found.

## Install the SDK

1. Download the [latest SDK of Applitools Eyes for UFT](#)  and extract it into a folder of your choice.
2. Associate the `Eyes.qfl` function library located in the extracted folder with your test in `File > Settings > Resources > +`.
3. If you want Eyes to be included in all tests, make sure to check `'Set As Default'`

## Run your first test

Applitools Eyes reports differences by comparing screenshots of your application with baseline images that define the expected appearance of the application at each step of the test. By default, the Eyes SDK detects the environment in which the application is running (namely, the operating system, the executable name and its window size) and compares the screenshots against baseline images that are specific

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automatically saved as its baseline. Starting from the second run onward, you always have a baseline to compare against.

The test below is a simple UFT/QTP program that visually validates the default notepad program, before and after it types some text into it. It consists of two visual checkpoints, each validating the entire application window. The first time you run this test a new baseline will be created, and subsequent test runs will be compared to this baseline. If any screenshot mismatch its baseline image in a perceptible way, `eyes.Close()` will throw a `DiffsFoundException` which includes a URL that points to a detailed report where you can see the detected differences and take appropriate actions such as reporting bugs, updating the baseline and more.

Before running the test, make sure to set the API key that identifies your account in the environment variable `APPLITOOLS_API_KEY` or directly assign it to the `eyes.api_key` property. You can find your API key under the user menu located at the right hand side of the test manager toolbar. If you don't yet have an account [create it now](#)  to obtain your key.

```
1 ' Make sure to include 'Eyes.qfl' via Fi
2
3 ' This is your api key, make sure you us
4 eyes.ApiKey = "YOUR_API_KEY"
5
6 ' Test setup – You should have 'Notepad'
7 Set testApp = Window("Notepad")
8 eyes.SetBaselineInfoFromWindow(testApp)
9
10 ' Start visual UI testing – Open eyes te
```

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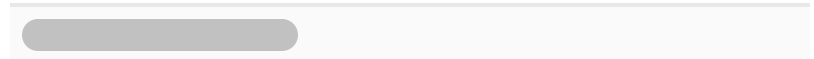
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```
13 ' Visual checkpoint #1
14 eyes.CheckObject testApp, "Hello!"
15
16 ' Write something
17 testApp.WinEditor("Edit").Type("Applitoo
18
19 ' Visual checkpoint #2
20 eyes.CheckObject testApp, "Write!"
21
22 ' End visual UI testing. Validate visual
23 eyes.Close()
24
25 ' Report
26 If Not eyesReport.IsPassed Then
27     If eyesReport.IsNew Then
28         Reporter.ReportEvent micFail, ey
29     else
30         Reporter.ReportEvent micFail, ey
31     End If
32 End If
```

## Analyze your test results

Congratulations! You've successfully run your first visual UI test with Applitools Eyes! A detailed report is ready for your inspection at the Applitools Eyes test manager. Watch this 5 minute video to get acquainted with the test manager and to learn the basics of



[Login to Applitools](#) and analyze the results.

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have this video archived.




## Learn more

Applitools Eyes is a powerful platform for automated visual UI testing that supports full page screenshots, page layout matching, cross-device and browser testing, test batching, baseline branching and merging, automated baseline maintenance, collaboration features, and much more. Applitools has over [40 SDKs](#)  supporting a broad range of testing environments.



### Reference documentation

To learn more, check out the Applitools Eyes [documentation](#)  and tutorials for other testing environments.

### Request a demo

If you want to see a demo of all our other features, you do [request a demo](#) .

### Knowledge base and Support

You can search our [Knowledge base](#)  for more information. You can also file a contact our support team and [file a Ticket](#) .

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