

What is Synchronization?

Synchronization point is the time interface between Tool and Application under test. Synchronization point is a feature to specify delay time between one step and another of the test script.

For Example, clicking on a link may load the page is 1 second, sometimes 5 seconds or even it might take 10 seconds to load it completely. It depends on various factors such as the application server response time, network bandwidth , client system capabilities etc.

If the time is varying then the script will fail unless the tester handles these time differences intelligently.

Ways to Insert Sync Point:

* WaitProperty
* Exist
* Wait
* Sync(only for web based apps)

### METHOD 1: WAITPROPERTY

WaitProperty is a method that takes the property name, Value and Timeout value as input to perform the sync. It is a dynamic wait and hence this option is encouraged

### METHOD 2: EXIST

Exist is a method that takes the Timeout value as input to perform the sync. Again it is a dynamic wait and hence this option is encouraged

### METHOD 3: WAIT

Wait is a hardcoded sync point which waits independent of the event happened or NOT. Hence usage of Wait is discouraged and can be used for shorter wait time such as 1 or 2 seconds.

### METHOD 4: SYNC METHOD

Sync Method can be used only for web applications where there is always a lag between page loads