

What is Parameter zing Tests?

When you test your application, you may want to check how it performs the same operations with multiple sets of data. For example, suppose you want to check how your application responds to ten separate sets of data. You could record ten separate tests, each with its own set of data. Alternatively, you can create a parameterized test that runs ten times: each time the test runs, it uses a different set of data.

There are four types of parameters:

* **Test, action or component paramete**rs enable you to use values passed

from your test or component, or values from other actions in your test.

* **Data Table parameters** enable you to create a *data-driven* test (or action)

that runs several times using the data you supply. In each repetition, or *iteration*, QuickTest uses a different value from the Data Table.

* **Environment variable parameters** enable you to use variable values from

other sources during the run session. These may be values you supply, or values that QuickTest generates for you based on conditions and options you choose.

* **Random number parameters** enable you to insert random numbers as values in your test or component. For example, to check how your application handles small and large ticket orders, you can have QuickTest generate a random number and insert it in a **number of tickets** edit field.