**Volume Testing** is a type of Software Testing, where the software is subjected to a huge volume of data. It is also referred to as **flood testing.** Volume testing is done to analyze the system performance by increasing the volume of data in the database.

## **How to do Volume Testing | Checklist**

In volume testing, following things need to be tested

* Test to check if there is any data loss
* Check the system’s response time
* Check if the data is stored correctly or not
* Verify if the data is overwritten without any notification
* Check for warning and error messages, whether it comes at all for volume problems
* Check whether high volume data affects the speed of processing
* Does system have the necessary memory resources
* Does volume test executed on the whole system
* Is there any risk if data volume is greater than specified
* Is there any guarantee that no larger date volume will occur than specified

Volume testing can help you to understand how to fit your system for the real world and it also helps to save your money which will later be spent on maintenance purposes.

**Let’s see a few sample test cases that you can use in execution:**

Verify this for all the selected data volumes for Volume testing:

* Verify if adding data can be done successfully and if it reflects in the app or website.
* Verify if deleting data can be done successfully and if it reflects in the app or website.
* Verify if updating data can be done successfully and if it reflects in the app or website.
* Verify that there is no data loss and that all the information is displayed as expected in the app or website.
* Verify that the app or web pages are not timing out due to high data volume.
* Verify that crashing errors are not shown due to high data volume.
* Verify that data is not overwritten and proper warnings are shown.
* Verify that other modules of your website or app are not crashing or timing out with high data volume.
* Verify that the response time of the DB is within the acceptable range.