**TEM:-**

**Test Environment Management is the function of understanding your Test Environments\* and applying that knowledge, with appropriate governance and services to ensure that each testing environment is available for IT Projects, the DevTest community, and the overall software development lifecycle.**

**Key areas to set up in Test Environment**

For the test environment, a key area to set up includes

* System and applications
* Test data
* Database server
* Front-end running environment
* Client operating system
* Browser
* Hardware includes Server Operating system
* Network
* Documentation required like reference documents/configuration guides/installation guides/ user manuals.

**What’s a staging environment?**

Your [staging environment](https://www.plesk.com/wp-toolkit/) is a setup that replicates your production environment. In short, it’s an **identical replica of your product.**

A staging environment (stage) is **a nearly exact replica of a production environment for** software **testing**. Staging environments are made to test codes, builds, and updates to ensure quality under a production-like environment before application deployment.

The following are some of the most frequent tools (or functions) you'd need in order to establish a Test Environment Management capability:

1. Environment Knowledge Base (CMDB)
2. Test Environment Booking Systems
3. Environment (Infrastructure) Orchestration Tool
4. Build & Deployment Tools / Continuous Integration Tools
5. Infrastructure Configuration Tools
6. Service Virtualization
7. Environment Shakedown Tools
8. Service Support Tools (Incident & Change)
9. Environment Health Dashboards