

# Typical Test Environment Management (TEM) Life Cycle.



➤ Provide the budget estimate capturing the cost of provisioning or building a new environment: includes hardware resources, effort, data provisioning and environment support etc . Captured as part of the projects business case.

➤ Review PID, TOR and working with the architects, the application support teams, ensure that any new environments to be built, conform to the enterprise wide and application build strategy of the organisation.

➤ Create logical & physical environments profiles and an environments usage plan across development, functional or non functional testing. Capture logical sizes, data requirements, application type/tiers, connectivity, technical spec.

➤ Sign off this stage with the development Lead, Test Manager, Project Manager etc. Confirmation that the requirements has been captured accurately.

➤ Provision and book out existing environments in a test environments booking and management system such as [Omnium Light](#)

➤ If building new environments, depending on the agreed strategy either virtualised or some flavour of cloud computing etc, procure the required resources to include the specified memory processor, disk storage etc and then build. Name environments to comply with the company naming convention, book out new environment etc.

➤ Involve the test/development teams, in the process of carrying out a smoke/shakedown test and pipe cleaning of the environment. Populate with data, if included in the requirement, if data is extracted from production, it will need to be cleansed using a data masking tool .

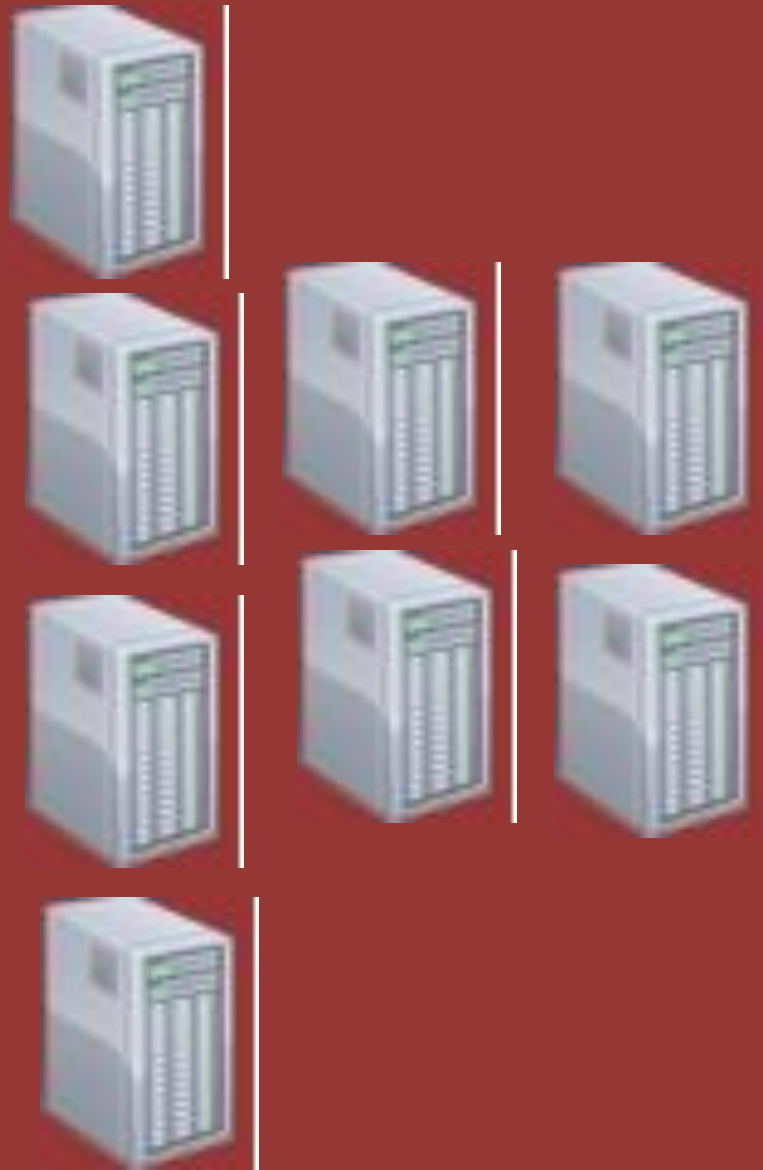
➤ Hand over environment to project team, co-ordinate and provide technical support for the environments, either through matrix managing the support teams or provide direct support from the Environments Management team. The environment will be recovered and cleared down, environment variables/settings will now be reset after each iteration of usage by the different projects.

➤ Only authorised access at this stage is allowed to the environment, controlled by the Project. Technical support here also incorporates regularly deploying code deployments as required.

➤ Any changes to the environments must be captured in the environments booking and management system.

# Physical Server

# Virtual hosts to 8 Different test and dev environments



Deployed Appv1.5 to three test environments so far, 5 to go.





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