ttc

the testing consultancy

Transforming non-production environment management

TTC's practical, proven approach to managing non-production environments enables our clients to maximise their testing efforts. We are passionate about improving environment management to enable our clients to achieve effective and repeatable success stories.
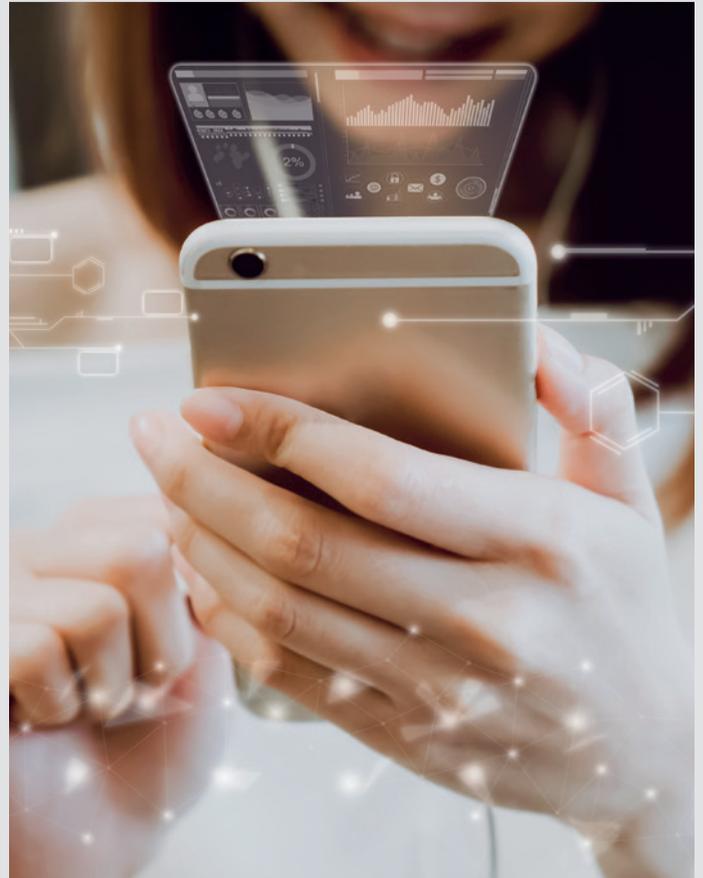
The role of non-production environments

The world is experiencing the fourth industrial revolution where the forces of digital disruption deeply affect businesses of every size and industry.

In software development, the expectations on speed to market are ever-increasing, which means it is important to reduce environment downtimes and gain efficiencies in managing test environments so they are stable and optimised. Non-production environment issues such as bottlenecks not only impact test coverage and the ability to execute tests, but also risk delivery timelines.

Non-production environments are used to safeguard the user experience. They therefore must keep pace with the demands of rapid service delivery cycles and increasing systems complexity.

In non-production environments, testers are able to rigorously tweak and experiment with the software without fear of repercussions. This is a dynamic environment that constantly changes so that the outer limits of software performance can be explored.

PEOPLE　　　**PROCESS**　　　**TECHNOLOGY**

Transforming the delivery of environment management

TTC's highly experienced team has extensive expertise in establishing and managing non-production environments.

We work with organisations globally to assess current state and identify opportunities to optimise the provisioning and running of these environments.

The service we provide is based on an industry best-practice assessment, outlining a roadmap to ensure environments are built to suit unique organisational requirements. Our robust process takes you through three stages to transform the delivery of your non-production environment. Through this process we have helped many organisations reduce costs and gain simplicity across their environment capabilities.

Assess > Transform > Run

Assess

In this first stage, we review the current state of your non-production environment practice against the Environment Management Maturity Index (EMMI). This provides an insight into the maturity of the nine key areas of practice in your organisation:

- Knowledge Management
- Service Management
- Infrastructure Operations
- Demand Management
- Applications Operations
- Status Accounting & Reporting
- Planning & Coordination
- Data Operations
- Release Management

Transform

Our transformation methodology has proven to successfully drive down environment management costs for both provisioning and ongoing operations. As technologies and service provisioning has moved forward to higher levels of automation and platform services based in the cloud, we have refined this methodology to keep up with the demands of today.

By leveraging a range of industry and open source tools and increasing automation (infrastructure, applications and data), TTC's transformation methodology will deliver fit-for-purpose environments when they're needed, whilst reducing ongoing operational costs.

During this stage we will recommend tools that will move you to an "environment on demand" model, allowing greater management of costs for provisioning, and increased speed for testing activities.

Run

We partner with leading cloud-services providers to offer an end-to-end Environment as a Service (EaaS). This covers all project testing needs, from environment provisioning and test data creation through to test execution and automation.

Standardising and managing non-production environments

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We assist in establishing the management of non-production environments. Our highly skilled consultants will work with you to:

- Review your existing practice
- Establish appropriate governance across all non-production environments
- Provide specialist troubleshooting for areas of concern
- Perform targeted end-to-end test environment support to reduce the burden from production-focused teams
- Establish a comprehensive roadmap for a robust non-production environment

Optimal test environments for greater accountability:
- Infrastructure configuration
- Test data management
- Security management
- Release management
- Incident management
- Environment monitoring

Environment booking dashboards

We establish environment booking services to provide information on when environments are booked or available.

This includes:

- Management of demand and the supply of environments
- Identification of booking contention
- Showing environment stability
- Identifying test resource hotspots
- Stakeholder environment reporting to show views of each environment

Cloud test environments

We provide expert advice on cloud-based services for managing your non-production environment. We ensure our recommendations align with your unique business requirements and we'll provide training on how to use the services. For most organisations, this supports standardising your test environments to enable virtualisation to be used for creating test assets.

- On time test environment provisioning – setting up the test environment on time and on budget
- Costs well understood for the duration an environment has been provisioned
- Test environment support that enables smooth execution and on-time project delivery
- Standardisation of environments based on best practices
- Effective utilisation of environment assets and reduced infrastructure costs
- Faster to-market through greater environmental stability

Data flexibility

We ensure your environments have the right test data available every time.

- Provision of optimised test data to the environment

- Reduction in time and effort to move data between environments

- Protection of test data for continual re-use, even after destructive test phases

- Automation of provisioning and refresh of databases, regardless of data size

Why TTC?

TTC is a global specialist testing company with a focus on helping organisations transform the way they deliver quality software.

We have broad capabilities across a wide range of testing areas that enable our clients to increase the speed and quality of software development while reducing risk and cost.

Our goal is to help you optimise your non-production environments, reducing environment downtime and increasing efficiencies. There are many benefits to working with TTC:

- Establish clearly defined operating models that enable your organisation to optimise test environments

- Seamless access to networks at the right time to support development and testing

- Analytical reporting to enable you to understand the dependencies between applications and services, where versions of code changes across projects and BAU

- Realise the optimal use and re-use of applications and services within your non-production environments

- Monitor end-to-end data running through your non-production environment so tracing can occur form the main source to ensure nodes can be tracked back to their source

- Establish layered governance across your platform and services in the non-production environment

Talk to us today

Our approach is independent, detailed and pragmatic. We're here to support you in the application of environment management within your organisation to reduce risk and increase stability. Talk to one of our team today.

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