

Enhance End-to-End Software Testing with Smart Foundry

Reduce time-to-market and cost of application deployments with a Test Environment Management solution powered by Capgemini, Nutanix and Plutora



KEY HIGHLIGHTS

- **Multicloud:** Cloud independent and capable of operating across private and public cloud environments to address diverse requirements
- **Domain Centric:** Addresses domain-specific needs such as those for insurance and core banking applications
- **Intelligent Integration:** Test environments carefully integrated with data management functions and development pipelines
- **Tool Agnostic:** API-driven solution works with the development tools you already use

In this digital age, business success hinges on the ability to deliver new software features and new applications faster—in a timely manner with higher quality and lower total cost.

But the development and test ecosystem needed to support faster development cycles has become much more complex. Setting up and maintaining ‘fit-for-purpose’ environments can be complex, time-consuming, and costly, putting your company at risk. Integration and data governance challenges complicate application testing, threatening delivery schedules and software quality. To successfully test business applications end-to-end—across multiple delivery channels and a multicloud landscape—your organization needs a better approach to quality engineering.

SMARTER APPROACH TO TEST ENVIRONMENT MANAGEMENT

Capgemini has partnered with Nutanix and Plutora to build a sophisticated Test Environment Management (TEM) platform, Smart Foundry, that addresses the testing needs for rapid development cycles. Smart Foundry reduces the burden of managing and testing software changes, delivering fit-for-purpose test environments and achieving higher utilization rates with better observability and cadence. The solution enables you to accelerate software releases by up to 25%, cut infrastructure costs by at least 5-10%, and increase your team’s productivity up to 30%.

As a global leader in consulting, digital transformation, technology, and engineering services, Capgemini provides the experience and expertise to deliver test environment management as a managed service tailored to your needs. Plutora, a leading [Value Stream Management Platform](#), bridges the gap between business goals and software development, reducing time-to-value. Nutanix’s innovative datacenter, hybrid, and multicloud infrastructure solutions provide the infrastructure management and automation that underpins the Smart Foundry architecture.

Capgemini is a trusted provider of testing services that have helped customers achieve substantial improvements in their software development efforts, including:



Accelerate Delivery

Decrease time to market up to 60%



Improve Quality

Increase test coverage up to 75%



Reduce Manual Effort

Drive test environment automation up to at least 90%



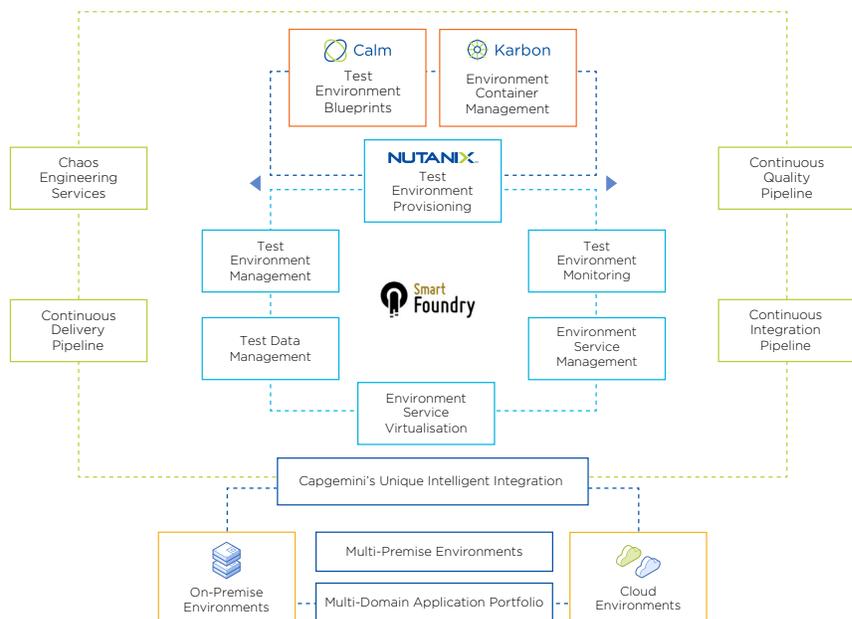
Test with up-to-date data

Decrease data provisioning delays up to 80%

THE NEED FOR “FIT-FOR-PURPOSE” TEST ENVIRONMENTS

Many enterprises struggle to achieve agility in their software development practices, including testing processes that are slow and expensive or that lack sufficient test coverage to ensure quality. In addition building the right test environments needed can be a time-consuming and labor intensive process. Outsourcing testing can be the ideal solution—whether you’re using traditional waterfall methods or agile development and DevOps. Smart Foundry can be customized to address your organization’s engineering needs and delivers domain-centric, custom testing environments whenever they are needed and for as long as needed.

The process starts with discovery to understand your requirements. Capgemini experts analyze your applications and dependencies and use the resulting inventory of components to develop test environments customized to the needs of your software and the changes under test. Your developers and testers can use the Smart Foundry portal to request new test environments as and when needed in a timely manner. Smart Foundry manages all test data, and it provisions, monitors, and manages active test environments, which can be fully integrated as part of your software delivery pipeline.



RESOURCES AND GETTING STARTED

- [Nutanix Acropolis](#)
- [Nutanix Calm](#)
- [Nutanix Karbon](#)
- [Nutanix Objects](#)
- [Plutora](#)

POWERED BY NUTANIX

Nutanix technologies unify Smart Foundry infrastructure operations across public and private cloud, enabling test environments for complex, multicloud applications. Nutanix hyperconverged infrastructure (HCI) solutions offer linear scaling and performance. HCI is used by the service in Capgemini datacenters or can be deployed in your on-premises datacenters. Additional Nutanix solution components include:

- **Nutanix Calm:** Calm encapsulates the specifics of the test environment for each application in a detailed blueprint. This blueprint orchestrates the deployment of new test environments in the appropriate datacenter and/or cloud environments, including all dependencies.
- **Nutanix Karbon:** For containerized applications, Nutanix Karbon provides a complete Kubernetes service with rapid deployment and simple management as part of the Smart Foundry platform.
- **Nutanix Data Services:** Nutanix HCI supports block, file, and object data services to accommodate the data storage and testing needs of diverse applications.

Together, Nutanix and Capgemini offer customers a powerful, domain-centric, cloud agnostic, and secure platform for efficient, scalable testing.

GETTING STARTED WITH SMART FOUNDRY

To find out more, please visit our website. To set up a meeting or a workshop to discuss the Smart Foundry solution contact us at capgemini@nutanix.com.



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