Capgemini

Smart Foundry – Solution Features

An intelligent, multi-functional, domain-centric DevTest environment management platform

In a world of opportunities, organisations wonder how best to leverage the finest option available to them in a cost-effective manner to meet their test environment, test data and testing needs.

Capgemini has leveraged its intelligent integration framework to seamlessly fit in the best of the value stream management capabilities from Plutora and the multi-premise deployment capabilities of Nutanix's automated application management framework, to create an intelligent, multi-functional, domain-centric platform – Smart Foundry.

In Summary, Capgemini's Smart Foundry provides a powerful, domain-centric, multi-premise, cloud agnostic and a secure environment for efficient, scalable testing. It is your one stop shop for all your testing, test environment and test data needs.

Value Stream Management & Multi-Premise Workloads

This automated solution enables its users to design environment maps, raise change requests, view environment conflicts, run health checks, provide a visual CMDB and create insights driven dashboards.

The users can also book and schedule environments and view environment calendars to manage the use of environments between parallel releases, efficiently. If there is a conflict in booking environments, Smart Foundry will effortlessly call upon blueprints, containers and virtual instances as required from the various integrated components to make the relevant environments available to the users.

In addition, Smart Foundry provides a cost driven decision making option to deploy application environment blueprints to the cloud of your choice or to on-premise locations in such a combination that allows the availability of end to end test environments in a multi-premise, cloud-agnostic setup.

Test Data Management

Smart Foundry helps organisations to save costs by spreading workloads between multiple cloud providers whilst keeping the end to end architecture intact. Test Data generation is a key functional module that allows the provisioning of synthetic data on-demand.

Smart Foundry

Synthetic data generation keeps your data secure and safe. This function is seamlessly integrated with the value stream management workflow and the Service Management module of Smart Foundry.

Chaos Engineering & Observability

The Service Management module of Smart Foundry works with the observability component and the value stream management module to provide analytics driven dashboards to key stakeholders. Continuous monitoring is key to the Smart Foundry solution.

Smart Foundry brings in chaos engineering capabilities from AWS, effortlessly integrated with environment management health checks to test the stability of the deployments across various cloud platforms.

Domain Specific Solutions

Smart Foundry is designed to also provide domain centric solutions to address application test environment related challenges faced in various industry sectors for example, Guidewire in the insurance sector and Temenos eco-systems in the core banking sector.

This provides organisations to tap into Smart Foundry to provide domain specific test environment, data and testing solutions.

Continuous Quality

Test Environments and Test Data are key to providing effective testing outcomes. This is where Smart Foundry graduates from being an engineering solution to be an end to end quality engineering platform.

The test environments and data capabilities seamlessly integrate with Capgemini's Smart QA and other industry tools to provide AI assisted testing for rapid release of applications, ensure business continuity through testing and monitoring.

Smart Foundry provides an eco-system that integrates end to end continuous testing capabilities across all types of testing practically in a touchless workflow.

"Managing a complex set of requirements related to infrastructure, data and applications - to create the perfect set of eco-systems to ensure the quality of software, thus developed — upholds the reputation of your business in terms of time, cost and quality is essentially termed as "Test Environment Management" and Smart Foundry addresses just that"

- **Anish Behanan, Senior Director**
Capgemini's Financial Services

About Capgemini

Capgemini is a global leader in consulting, digital transformation, technology and engineering services. The Group is at the forefront of innovation to address the entire breadth of clients' opportunities in the evolving world of cloud, digital and platforms. Building on its strong 50-year+ heritage and deep industry-specific expertise, Capgemini enables organizations to realize their business ambitions through an array of services from strategy to operations. Capgemini is driven by the conviction that the business value of technology comes from and through people. Today, it is a multicultural company of 270,000 team members in almost 50 countries. With Altran, the Group reported 2019 combined revenues of €17billion.

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