

Smart Foundry – Solution Principles

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

To realise our vision on Smart Foundry and to deliver new-ways-of-working to organisations, in a future-proof manner, a set of forward-looking engineering and technology principles underpins the testing, test data and environment management aspects of Smart Foundry.

These four principles on the basis of which Smart Foundry was built are as below:

- Domain-centric approach
- Multi-premise technology
- Intelligent integration
- Tool agnostic platform

Domain-centric approach

Smart Foundry will address domain specific requirements for testing and test environments including automated delivery of test data. For insurance businesses for example, this would mean, Smart Foundry will be a one stop technology option to

Our vision is for Smart Foundry to be an end-to-end quality engineering ecosystem that will enable organisations to build and run applications that drives real business value.

address all the guidewire related quality assurance and engineering technology requirements. So is the case with temenos for core banking and other domain related applications that are the core to these organisations.

Multi-premise technology

Smart Foundry will aim to deliver non-production environments in a cloud-agnostic way. This means that organisations will no longer be tied to one single cloud provider but will be able to make informed decisions on compute to host their test and development software based on cost. This is delivered through some cutting-edge technology by various partner solutions involved. Organisations can now maximise the use of their existing data centre space for which they have already spent capital and look at on-demand cloud options all working seamlessly as one (or many) end to end integrated eco-systems using blueprints and container solutions.

Intelligent integration

Capgemini's intelligent integration framework is what brings Smart Foundry to life and differentiates its functioning with typical end to end tool integrations that currently exists in the market today. This means that simply by the integration of a set of tools will not replicate the functioning of Smart Foundry unless the domain specific use cases and intelligent combinations of functions come together to define the end to end ecosystem. This make Smart Foundry unique in the market and first of its kind.

Tool Agnostic Platform

Capgemini has selected Nutanix and Plutora as our primary partners to build the platform using our intelligent integration framework. This is because there are currently no other providers in the market that can replicate the smart combination of a value stream management capability and multi-cloud deployment capability. This forms the engine of the platform. However, all the surrounding ecosystems can be replaced by existing tools currently used in an organisation to provide the relevant functions. Smart Foundry is a truly tool agnostic platform that can be plugged into any tool that fits into the functional framework of the platform.



"Smart Foundry is designed to bring in intelligent integrations, more automation and self-provisioning capabilities to expedite 'efficient route to live' along with 'effective QA' in the Software Development Lifecycle,"

- **Ajay Walgude, Vice President
Capgemini's Financial Services**

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