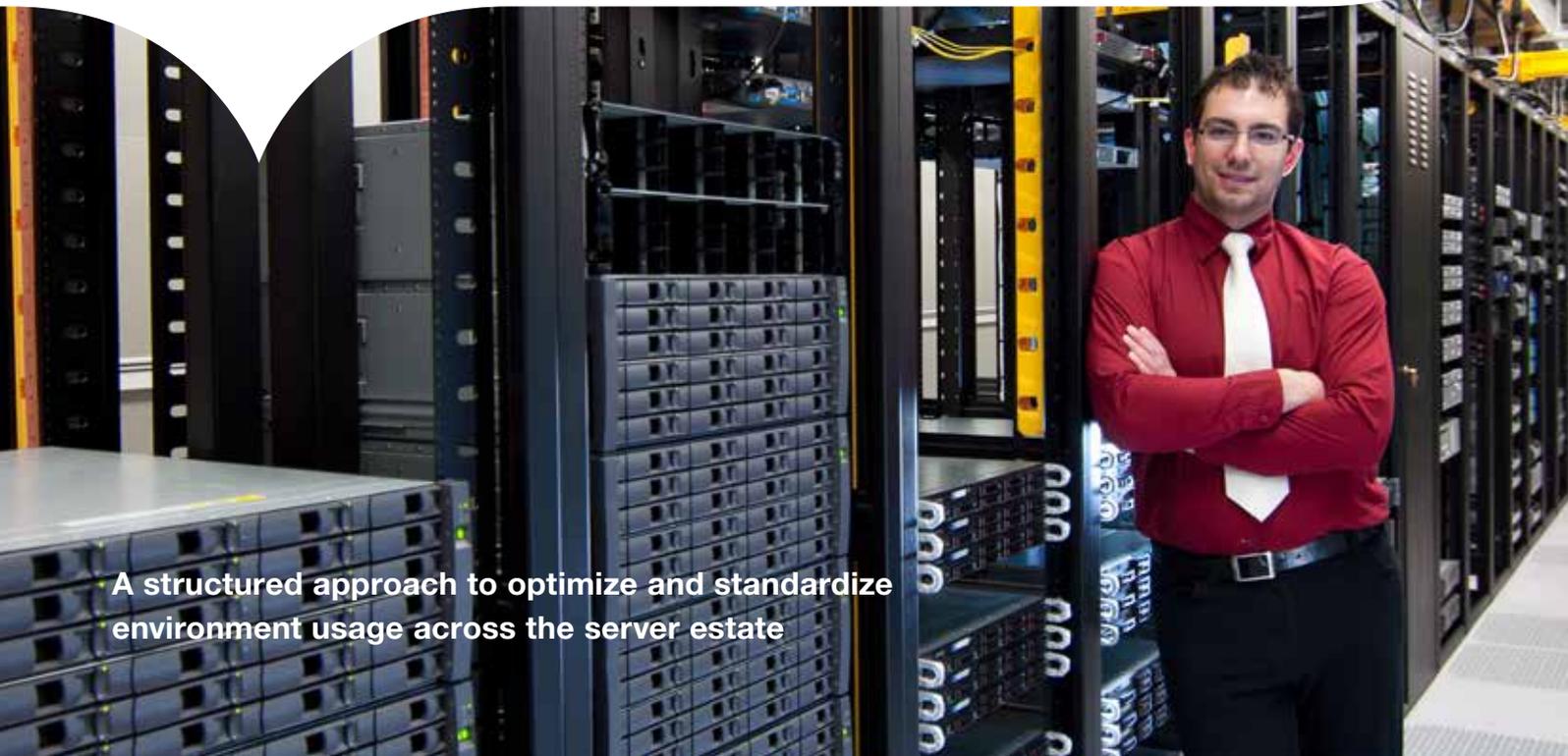


# Environment Rationalization Services for Financial Institutions



**A structured approach to optimize and standardize environment usage across the server estate**

Financial institutions require complex systems for their end-to-end testing. From trading to asset management to credit cards, financial services firms use multiple applications across geographies and divisions to keep track of their customer accounts. These applications are often housed in complex and separate environments for all phases of testing. Development and testing teams are responsible for maintaining these environments as they update and enhance applications, but as project delivery has moved towards an Agile model, there's been an increase in environment demands. This has led to challenges with environment sprawl, underutilization and maintainability.

Environment rationalization helps financial institutions look at all environments across the organization to catalog, consolidate and optimize servers. This process helps testing teams reduce management complexity and maximize server usage to save costs.

# 5 Steps to Environment Rationalization

Rationalizing environments across business units in an organization is easier said than done, especially for financial services companies. With experienced test professionals dedicated to banking, insurance and capital markets, Capgemini developed a five-step rationalization framework to bring together real-world best practices, proven methodologies, and repeatable processes.

## Step 1: Audit

Understanding and gaining control over the environment is a key step towards improving productivity, reducing costs and driving higher levels of IT performance. During this stage we identify the servers in the environment estate and their current owners and usage. Capgemini's Environment Audit supplies accurate information on the total number of environments contained in the estate, the software versions installed, the current environment owners and users, and any orphaned environments with no owners.

*Decrease environment-related defects up to*

**30%**

## Step 2: Create Environment Interaction Map

Next we document the interactions between the servers and environments in the environment estate to build an Environment Interaction Map. During this stage, we look at the number of the application instances in an environment, the database instances in a database server, and the message queues in a messaging server. The interactions among these instances together form the map and provide an overall picture of how these environments work together.

## Step 3: Standardize

Capgemini recommends that environments are standardized for various phases of testing as environment architecture blueprints for each of the applications and the various application releases. The environments are modeled based on the current production environment for various applications and are validated by application and infrastructure teams. The final blueprints for applications and their releases are signed off by key application and infrastructure architecture stakeholders.

## Step 4: Optimize

By now, we have documented the existing environment through the audit and environment interaction map and also created an environment architecture blueprint for the future. Next we perform a gap analysis to identify changes that are required to meet the blueprint and then drive optimization to move the environment estate to a standard configuration in a phased manner.

### Why rationalize your environment?

Rationalizing your environment can bring significant benefit to your financial services organization. Our clients have used our solution to:

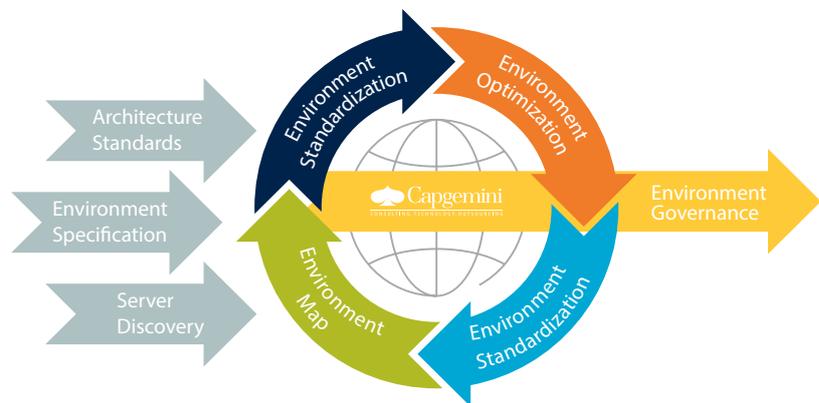
- Reduce the cost of hardware infrastructure by 15%
- Decrease environment-related defects up to 30%
- Increase environment utilization
- Create integrated solutions with infrastructure services and environment architectures
- Establish standard environment models which are a subset of the production configuration for all testing types
- Lower environment provisioning lead times
- Standardize environments to enable migration of dev and test environment to cloud

Decrease environment-related defects up to

30%

## Step 5: Create Environment Strategy

After the existing environments are optimized, we help our client define a strategy for environment provisioning and operations processes and procedures to ensure rationalization services are deployed going forward. We work with our client to establish an Environments Change Control Board which will ensure the new environments do not deviate from the environment blueprint and provide a framework of metrics to measure its effectiveness.



## Environment Rationalization Services for Financial institutions: Capgemini is Your Partner for Optimizing Test Environments

### Capgemini's financial services test professionals provide:

- A holistic approach to environment rationalization that incorporates technologies, processes, people, IT operations and governance
- Proven skills in environment management technologies to help you achieve your cost reduction and quality improvement objectives
- Integrated solutions with infrastructure services and environment architectures
- Server solutions that leverage our alliances with leading hardware and software vendors
- Deep knowledge of banking, insurance, cards and payments, risk and compliance and capital markets systems

Get started today by visiting us  
at [www.capgemini.com/financialservices](http://www.capgemini.com/financialservices) or  
contacting us at [financialservices@capgemini.com](mailto:financialservices@capgemini.com).



## About Capgemini

With almost 145,000 people in 40 countries, Capgemini is one of the world's foremost providers of consulting, technology and outsourcing services. The Group reported 2014 global revenues of EUR 10.57 billion.

Together with its clients, Capgemini creates and delivers business and technology solutions that fit their needs and drive the results they want.

A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

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