

# **The Server Labs G-Cloud 10 Service Description**

## **G-Cloud 10 Service Definition - Cloud Services**

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For: **G-Cloud**

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# 1 Introduction

This document provides you with a description of each of The Server Labs' Cloud Services .

If you wish to receive further information please contact [sales@theserverlabs.com](mailto:sales@theserverlabs.com)

## 2 Service Definition

### Cloud Assessment & Adoption Strategy

- Application Assessment - Application Health Check
  - Are you ready to move to the Cloud?
  - Not all scenarios are apt for the cloud. We can assess the case and analyse its technical and economic viability.
  - Our architects can re-engineer the software application in order for it to be migrated to the Cloud. We will analyze questions such as:
    - Loose coupling** – Cloud architecture must be loosely coupled
    - Security** – Security in the Cloud is more complex and must be managed adequately
    - Load balancing** and **auto scaling**
    - Availability** – what happens if the server (or the entire data centre) are not available?
- System & Infrastructure Assessment
  - We will analyse your needs and work out what systems and infrastructure you need, whether it is for public or private cloud.
- Security Assessment
  - See Cloud Security Services
- Cloud Architecture design
  - We will design your cloud architecture to be robust and scalable, using auto-scaling and self-healing techniques where-ever possible
- Cloud Adoption Strategy
  - TCO evaluation when using the Cloud infrastructure
  - Consulting services in order to identify the most suitable solution and technologies in the Cloud, based on the elasticity parameters of the project

### **Cloud Deployment & Migration**

- Cloud Infrastructure configuration and deployment
- Private Cloud Deployment
  - This is a comprehensive service to analyze, design and implement a Hybrid Cloud solution within your organisation.
- Consultancy for architecture evolutions
- Cloud Interoperation
- Application refactoring for the Cloud
- Application Migration to the Cloud
- Rapid Cloud Transition
  - Standardised service
  - Fixed scope and price
  - Hands-on support to transition your application to the Cloud
- Cloud Fast Track Framework
  - web-based solution
  - Customized and fully functioning environments in the Cloud in minutes
  - Off-the-shelf service
  - Deploy test and development environments that match production

### **Cloud Management**

- Cloud Infrastructure Administration and Support
- Cloud Incident Management
- Cloud system & Application Management and Support
- Cloud Cost & Use Management

### **Cloud provisioning & Reselling Services**

- Reselling of Cloud infrastructure
- On Demand Cloud Disaster recovery Platforms
- Big Data Analytics solution
- Cloud Backup
- Development Environment on the Cloud
- HPC on Cloud
- Cloud Outsourcing

## Cloud Security Services

- Cloud Security Assessment

We can advise on many aspects of Cloud Security , including Intrusion detection, firewall management, identity management, key management, encryption and tokenisation
- Cloud Security Compliance Assessment

We can advise on many legal aspects of Cloud Security and provide recommendations as to actions to take to protect yourself.
- Cloud Security implementation

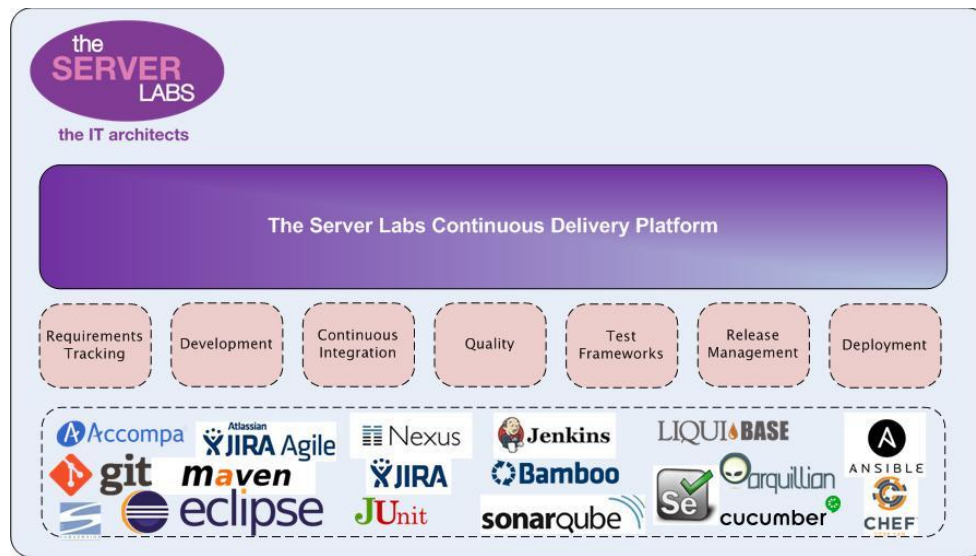
As well as designing your Cloud security, we can help you implement it as we have extensive experience in public and private cloud security implementations
- Cloud Security as a Service

We offer a number of security services from our partners in a cloud model including

  - DDoS protection
  - Web Security Gateway
  - IDS/IPS
  - Identity Management
  - Firewall Management
  - Auditing
  - Vulnerability & patch management
  - Encryption and Tokenisation
  - Penetration testing

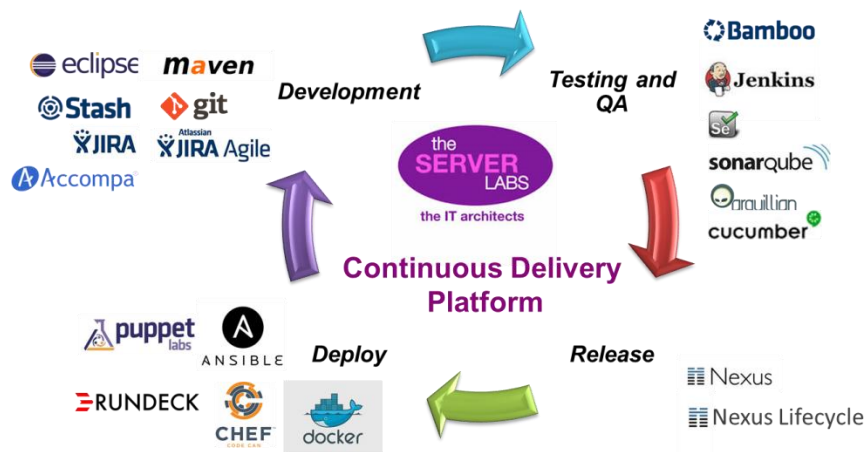
## DevOps - The Server Labs Continuous Delivery Platform

Atlassian products form part of The Server Lab's Continuous Delivery Platform, a key tool in the road towards DevOps and achieving continuous delivery.



#### Benefits for your business

- Formalised development process through entire software lifecycle.
- Mapping software development to business objectives.
- High level of automated testing.
- Objective software quality metrics.
- Efficient integration with process for outsourced software development.
- Highly flexible software release process to respond to changing business needs.
- Integration with existing development methodologies.



### 3 The Server Labs

The Server Labs (TSL) is a 100% privately founded IT Consultancy and Software Development Company with headquarters in the UK and offices in Germany and Spain and now established as a leader in Cloud Computing services. The Server Labs focuses on the design and implementation of IT architectures and advanced software engineering projects working with the most advanced technologies to provide its clients cost-effective, scalable and high performance solutions. The Server Labs has been using the Cloud since 2006 and working with its customers in the cloud since 2008 and was one of the first European partner's of Amazon Web Services.

The Server Labs has clients in many different industry areas such as space, finance and telecoms. We collaborate with our clients to obtain success, committed to innovation, enjoying what we do every day and growing with every challenge.

The Company's mission is:

- To provide **expert services** in the field of IT architectures and advanced software engineering
- To **improve radically the software development process**
- **To help organisations achieve better business results through the correct use of latest technologies**
- To have **100% satisfied clients**
- To create high quality **innovative software solutions**, providing added value to our customers

The specific value, experience and expertise that The Server Labs can provide for e-LfH are:

1. **Technical excellence** and capability to act as lead on architectural decisions and as technology expert in software and system subjects.
2. **Architecture experience at software and system level.**
3. **Proven experience in HPC and Big Data Projects**
4. **Real cloud computing experience, at IaaS, PaaS and SaaS levels, and for both compute power as well as storage solutions in different clouds.**
5. **Quality control based on ISO9001 for all software systems developed**
6. **Technological excellence**, especially in the main technologies required for the project, including HPC, web services and security technologies.

All our architects and engineers are experts with an average of 10 years' experience in the planning, design and development of complex software systems. Our multinational team has been a pioneer in Java technologies, Object Oriented Analysis and Design and distributed architectures, and has the required hands-on experience in many state of the art technologies. In the last few years, The Server Labs has positioned itself as a leader in Cloud computing services, helping organisations move to the Cloud at all levels. For more information on current projects being undertaken by The Server Labs in Cloud computing, please see Appendix B.

Our experience working across several industries has given us a good understanding of the different requirements so we are able to provide the solution that best suits each particular business and reuse the lessons learnt in the other industry sectors when applicable. Our clients span organisations such as Banks (BNP Paribas, BBVA, Caja Madrid) , the European Space Agency (ESA), Madrid Underground (Metro de Madrid), ICCAT, Amadeus, TRAGSA, TIBCO (a leader in Messaging and Service Bus architecture systems), O2 and Telefonica, Vodafone, ORACLE, several, Sun Microsystems, TUI and Marsans travel, etc.