



Performance Services

AppLabs' Performance Services are designed to support the delivery of all types of IT software and hardware change, ensuring they fully meet the performance requirements for all key stakeholders.

Performance issues are traditionally difficult to identify prior to live operation of a new system but, when detected after launch, often involve costly remedial work. By using advanced testing services and tools, AppLabs can undertake realistic proving of your new systems in the development stages and provide important feedback to ensure problems are rectified at an earlier stage.

Once a new system is in live operation, performance continues to become a critical factor. We provide a bespoke

solution using our remote web load testing infrastructure, enabling you to select your performance test and quickly verify changes prior to implementation.

We also recognize that identifying problems only provides part of the solution. AppLabs' in-depth experience in technology development and testing ensures we can always identify the source of the problem and recommend a remedial course of action.

No matter what stage you are at in the lifecycle of your IT systems, AppLabs can provide performance services that optimize your systems' performance.



Performance Analysis

AppLabs' Performance Analysis Service is designed to help you get the best application or system performance that adds the most value to your business. Application or system tuning can be a difficult, time consuming and risky procedure. Effective performance tuning is dependent on good planning and excellent analysis of both the performance requirements demanded of the system and the ultimate performance capability that the system can deliver. AppLabs uses a well tried and proven five step approach to our Performance Analysis engagements:

Setup

At the earliest stage, we will work with you to define and agree the scope of the engagement. AppLabs has a highly dedicated and skilled set of performance engineers who have extensive experience of all major technology platforms across a range of industries. Your commitment is also crucial to the success of the engagement and we ask you to make an assessment of the resources you can make available to assist us in the completion of the tasks we identify.

Discovery

During the discovery process we aim to understand the performance requirements of the system to be analyzed. We conduct in-depth reviews of the system implementation and the business environment to gain an insight into viable tuning opportunities. We also identify essential support tasks and tools required to deliver the performance analysis.

Solution Definition

During Solution Definition, we complete the planning process. At this stage we would measure the existing system to gain a set of initial baseline performance metrics. The options available for performance analysis and system tuning are highly dependent on the chosen system implementation. Infrastructure and network design, software architecture

and operational policies all have a part to play in both the available scope for tuning and the constraints that will limit the practical changes that can be applied.

Modern, heterogeneous infrastructures can require detailed technical knowledge of a wide range of hardware and software platforms such as mainframes, Microsoft technologies, Unix and Linux, Oracle, SAP, Citrix, .NET and Java. AppLabs has over 100 performance engineers who have worked on some of the largest corporate infrastructures. They are well versed in the constraints that affect the scope of change and also in a wide range of software and hardware technologies that offer almost limitless capabilities for configuration and tuning opportunities.

Solution Implementation

Having defined the analysis process, we now execute to that plan and gather performance metrics from all components of the system that are deemed to be major contributors to the overall system performance. Tuning recommendations are made and we reappraise the performance to measure improvements against the baseline.

Partner Sustenance

At the end of the engagement, the value of our performance is distilled into the final report. This document shows the results gathered, the depth of analysis undertaken, the recommendation made and the effects of their implementation. In many cases, for good operational reasons, not all recommendations will have been fully implemented at the end of our engagement. We would seek to prioritize the outstanding recommendations with a commentary on the efficacy of each so that the report remains a living document that continues to deliver value for future system changes and updates.