

## Hyperion Financial Management Performance Tuning Lab

Ranzal is pleased to offer Hyperion Financial Management (HFM) performance measurement and improvement in our own-in-house Performance Lab. Our blended team of HFM and infrastructure experts will provide you with a comprehensive review of your HFM system.

Our analysis begins with application design, and explores data, system usage, hardware environment, and database. During the review, we'll compare your system against best practices based on years of experience and a database of hundreds of other HFM applications from around the world. We provide benchmarks and advice on how to employ best practices to achieve a better experience with HFM.

Ultimately, we'll find improvements you can make across the board that will add up to a faster and more stable experience with HFM, leading to faster close cycles and happier users.

### Single user versus multi-user analysis

This Performance Lab offering focuses exclusively on improving the baseline, single user experience for HFM. While this is focused heavily on consolidation times, the thorough review will have an impact on all aspects of the application usage including data loads, application and system maintenance, and reporting. It is the basis from which we can develop an optimal multi-user experience.

Ranzal offers load testing in addition to the Performance Lab. This offering leverages the single user improvements we recommend, and measures them under the stress of multiple concurrent users, using tools such as Mercury Load Runner. We provide not only the scripting expertise, but also a written analysis of the results and recommendations for optimizing your environment.

### Methodology

We begin with establishing a baseline in your environment for a single user consolidation. During this run we'll gather statistics from your environment, along with logs showing the historical statistics over a six month period. We then prepare our lab to match your Hyperion software and your RDBMS. By using your database export we can provide a much more accurate analysis than could be achieved by using application extracts.

Our lab is built using state of the art hardware consistent with servers we would prescribe you use in your own production environment. We feel that performance testing is done on real hardware rather than virtual environments to obtain the best results.

### Areas reviewed

The following is an example of areas covered. Each area includes a discussion of best practices, a comparison of your application against best practices, and an explanation for how to make changes in your environment to achieve better performance in each area.

### [Application design review](#)

Examination of the metadata structures and a comparison against application statistics from around the world. We look to see if the application design has any inherent performance implications.

### [Data Volume and growth analysis](#)

Measurement of the average data volume in each entity, and the growth of data over time. We also measure the volume of data generated by rules, and include an analysis of non-essential data in the application, whether loaded or generated by rules.

### [Rules Measurement & analysis](#)

Review the rules for overall structure and usage of best practices approaches including HS.ImpactStatus and HS.OpenDataUnit. We look for ways to reduce rules maintenance as well as achieve better performance.

Time permitting, we can actually alter the rules and measure the performance impact of each change.

We will measure the rules execution time for each entity in your application, and find out what's causing some to run far longer than others.

### [Log file review](#)

Our experts reveal what's been happening in your application over time "behind the scenes". By calling our particular events, we can identify inherent HFM issues, or environmental issues that may cause HFM to run slowly.

We explain how to read the logs, and how to properly maintain them.

### [Database analysis](#)

Measure the size and volume of the many tables comprising the application. This will show you and your database administrator where problem areas within your database may be occurring and how this will impact performance on the relational database tier.

As with the log file review, we explain what's in the various large tables, and how to maintain them going forward.

### [Benchmark comparison & hardware analysis](#)

We run an identical set of tests in your environment and then in ours, using your database. This reveals what performance changes may come from hardware change alone.

### [Registry tuning, where applicable](#)

The culmination of reviews of each area above may indicate that HFM registry changes are required. We can make these and measure any improvements.

### [Benchmark based on HFM version upgrade](#)

Finally, we can upgrade your application to the latest release and re-run the baseline benchmark to show what gains can come from an upgrade.

## Deliverables

At the end of our analysis, we'll provide you with a comprehensive 50-70 page report, along with maintenance scripts and any application changes that we've suggested and tested.

## Proof

We believe that simple advice doesn't go far enough. Our recommendations include our resulting benchmark times based on the changes as we've proven in our lab. These changes are real and actionable. Our consulting team can also assist you in implementing the changes in your own environment.

## The Packages

### Single user optimization

The HFM Performance Lab service covering the above topics is usually 21 consulting days, plus a \$50/hour bench fee for the lab itself.

### Multi-user load testing

The optional multi-user load testing is usually 15 consulting days for script development, and an additional 8 consulting days for script execution, analysis, and re-execution after our recommendations have been implemented. The customer will provide the HP Load Runner licenses for the duration of the tests, though we can facilitate this as needed. For more information on HP LoadRunner, see [www.loadrunner.com](http://www.loadrunner.com)

## Real Results

*We are very happy with the value you have provided. Not only by addressing our primary concern of consolidation times with a >50% improvement, but by providing a thorough review in many other areas. I would never do another HFM implementation without this type of review involved. I doubt most consulting "implementers" can put this type of quality review into an application build. The cost is peanuts compared to the value. I'd be happy to be a reference if you ever need one.*

*Tim Williams, Stryker*

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