



NonStop Performance Analysis & Tuning Service

TCM believes in getting the most out of your HP NonStop estate. Why go to the expense of purchasing additional hardware if you can drive more CPU cycles or improve your disk I/O through imaginative system tweaks?

TCM consultants have a wealth of experience in HP NonStop systems, gained from a myriad of installations including financial, manufacturing, telecoms, semiconductors, aviation and even police authorities. TCM consultants use this experience to push the boundaries of your Nonstop system's performance, deriving the optimum balance of speed and stability.

The TCM Analysis and Review team will utilize whichever performance tools you have available to interrogate the main elements of your system, focusing primarily on CPU, process, and database activity. At the end of the initial analysis period, an interim report will be provided, containing all conclusions and recommendations for performance improvements.

Since many establishments have strictly enforced change management regimes, you may choose to plan and implement changes yourself, overseen by the TCM consultants, or TCM can take the service to its logical conclusion and tune your system for you.

Since performance tuning has always been an iterative process, i.e. measure, change, repeat, the TCM team can schedule return visits to fit within your change schedule and continue a tuning regime that will optimize your day-to-day running.

TCM NonStop Performance Analysis & Tuning Deliverables

Database Design, Build, and Placement (Enscribe).

TCM will examine all aspects of your Enscribe database, including partitioning, index levels, key structures, and even cache buffer sizes. Standard tools and utilities such as PEEK, Measure, SCF, and FUP will be used and the data capture process will be non-invasive.

Database Design, Build, and Placement (SQL/MP/MX).

The design and deployment of your SQL/MP/MX database can have a dramatic effect on the overall performance of your system. TCM has experienced DBAs available who can optionally validate your database design from both a logical and physical perspective. This would include normalization, referential integrity, key structures, partitioning, etc. Again, standard system tools and utilities such as FUP and SQLCI will be used and the data collection procedures are non-service impacting.



Database Access and Performance (SQL/MP/MX).

Whether using SQLCI or embedded code (static and/or dynamic) the structure of your SQL commands can seriously affect your system and application response times. TCM's Performance Team will review all database statistics and access plans, suggesting improvements where applicable. These may include changes to command structures or addition/removal of alternate indices amongst other things.

Process Placement and Performance.

TCM's performance team will gather Measure data or optionally analyse your peak periods Measure data with a view to optimizing the CPU load balance.

Pathway Configuration and Performance.

Many HP NonStop applications run under the control of a Pathmon process. TCM will analyse your Pathway statistics including server and TCP figures with a view to optimizing the configuration settings if required.

CPU Failure Analysis

In conjunction with the process placement exercise, TCM consultants will also consider all major nonstop processes and their potential impact following a CPU failure. This will primarily, but not exclusively, involve DP2 processes.

SCF Configuration and Statistics

Items such as the Comms and storage subsystem, particularly disc cache, and QIO amongst other things will be included in the review.

Memory Usage

KMSF configuration and swap file usage/placement will be examined for best practice settings. Swap file relocation and resizing may be considered.

Third Party Product Performance.

TCM's consultants have years of experience in many of the major applications and packages available to run on the HP NonStop Server platforms. This includes Golden Gate, IBM WebSphere MQ Connect:Direct, Base24, and Atlas amongst others. We are also able to review performance of many of the aforementioned.

WHY TCM?

TCM is the UK's No.1 NonStop Services provider

TCM can provide complete management for your NonStop estate, which includes the hardware and operating system management

TCM has hardware and software system specialists each with over 20 years of proven NonStop experience working for them

Full portfolio of lifecycle services on NonStop

Proven Customer references across multiple market sectors

Never failed an SLA, never lost a customer!



*We are the **proven** experts – with 20 years experience in delivering NonStop services to the world's largest organisations
We are on **your** side – TCM is an independent, experienced provider, actively looking for solutions that benefit our clients*



HM Government
G-Cloud
Supplier

