

## Software & Data Optimisation

The Software & Data Optimisation Service from 24M Consulting helps you keep your software platforms secure, optimise system performance and minimise infrastructure costs. We work with you to understand your systems and investigate security risks, performance bottlenecks and potential cost savings that can be gained by taking advantage of the latest cloud services. We help you make the right decisions and get the most from your software systems.

### Optimise your software performance

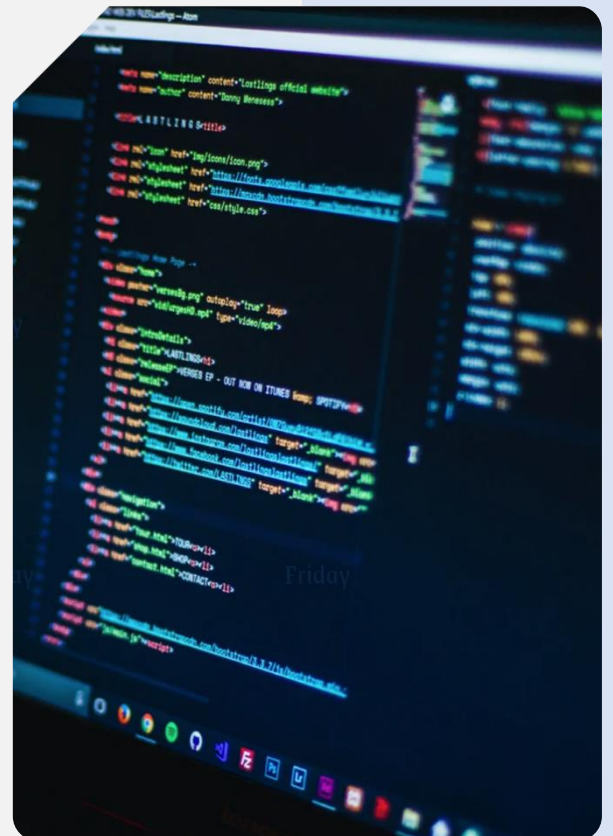
As software platforms mature and data volumes grow, system performance and page load times increase leading to frustrated and unproductive users. Organisations typically upgrade hardware or cloud resources to manage additional loads. These short-term solutions increase the cost of running your systems and inevitably the performance problems return. We analyse your systems to identify inefficient software components and refactor, tune or replace them to remove performance bottlenecks. We find and resolve the root cause of software issues so that your users can achieve more.

### Align your software platforms with your business

As your business evolves and adapts to a changing environment, your software platforms need to evolve too. Many organisations run ageing systems that no longer fit with current business processes or security standards. Our software specialists examine your workflows and data flows and work closely with you to identify the most efficient and cost-effective ways of bringing your software platforms up to date. We re-model your data structures and introduce automation tools to move, transform and cleanse your data.

### Reduce your infrastructure costs

In any business it is essential that production data, backups and archives are securely stored and this means that storage needs grow over time. Our review of infrastructure, storage and software usage patterns identify where cost savings can be made by moving your data to alternative storage platforms. Storage may be on-premises, cloud or a combination of both, depending on your business needs.



## How do we work with our clients?

Understanding the background of your organisation and how the software platforms have evolved is a key step in our initial discovery. We work with your teams to understand the history of your various systems, the data exchanges between them and any known issues that require investigation. The analysis phase then begins in which we identify the limitations and vulnerabilities in your systems and design a strategy for addressing them. We then customise, reconfigure, integrate and simplify your systems to address the issues. Our work typically covers the following areas.

- ✓ **Security.** We review storage, data exchange between systems, authentication and protocols to identify security risks. We also analyse any third-party software components and libraries that are out of date. Any observed vulnerabilities are addressed to ensure that your systems and data are secure.
- ✓ **Running costs.** Infrastructure and storage are analysed and we advise where cost savings can be made by moving data stores, backups and archives to alternative storage platforms. Significant savings can often be made by archiving old records to cold storage tiers. We analyse usage patterns and the potential for auto-scaling of your systems. For cloud-based systems, savings can often be made by scaling back system resources during periods of low user activity. We provide a breakdown of potential monthly costs savings.
- ✓ **Performance.** We investigate any known performance issues or software bugs. Slow response times can have a huge influence on customer experience and perceived quality. Slow performance, stability issues and timeouts can often be resolved without requiring major code changes. Inefficient database structures and queries are often at the root of performance issues. We use the right monitoring and profiling tools and make precise software and database upgrades to get the best performance from your systems. Targeted code refactoring, database tuning and query optimisation can reduce response times from minutes to milliseconds.
- ✓ **Stability.** We review your logs and monitoring data to investigate the cause of system downtime and crashes. With our experience and the right tooling, these issues can be identified and eliminated.
- ✓ **Backup & Disaster Recovery.** We review your overall strategy and implement measures to safeguard your data and give you the assurance that systems can be rapidly recovered or rebuilt in the event of systems being lost, corrupted or the target of a ransomware attack.
- ✓ **Architecture.** We analyse and document the system architecture of your systems and recommend ways to simplify, streamline and reduce costs. Following an in-depth analysis, we catalogue each software component and identify areas that should be updated, replaced or removed. This may include migrating applications to cloud services. All potential cost savings are qualified.

## Tailor the service to your needs

Every business has its own unique set of challenges. We investigate specific problem areas in your software platforms to give you the assurance that you are getting optimum performance while keeping control of your software and infrastructure costs. Contact us for more information.

### Contact

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