

Performance Engineering

Flintfox provides the skills, toolset, and experience to help optimise the performance of your Dynamics® AX, NAV, and CRM solutions.

Flintfox has extensive experience providing system performance optimisation, support, and monitoring of SQL Server and Microsoft Dynamics® environments to a range of customers including some of the largest and most complex implementations of Dynamics® AX, NAV, and CRM.

We offer a deep knowledge of diagnostics, best practices, benchmarks, code optimisation, and database performance tuning techniques. A Flintfox System Performance Health Check is often where our engagement begins. We help you to identify performance and application risks, and ensure compliance with industry best practices, detecting problems before they arise and adversely affect your business.

For full details contact your local Flintfox Services Professional.

 www.flintfox.com/performance



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We provide a wide range of Performance Engineering Services including:

- **Our Expertise** – Flintfox works with monitoring tools developed by Microsoft as well as several proprietary tools for monitoring and optimising Dynamics®. Our team has extensive experience in working with some of the largest and most complex customers running Dynamics® AX, NAV, and CRM. Our consultants bring a deep knowledge of code optimisation, database performance, and overall system tuning.
- **System Health Check** – Our comprehensive Health Check involves a thorough review of your system to identify performance and application risks. It includes a scorecard showing the state of each key area, and a prioritised list of recommendations to improve the stability, reliability, and overall performance of your system. It is used to provide a clear picture of the health of your system, areas for improvement, and to uncover potential performance risks.
- **System Monitoring and Servicing** – Much like the engine of your car requires regular servicing to maintain high performance and reliability, Flintfox can provide regular servicing of your SQL Server database including continuous system monitoring and periodic health checks. With continuous monitoring and assessment of your ERP, CRM, and/or SQL Server environment(s), the Flintfox team can identify and resolve issues before they cause system degradation or downtime. The Flintfox Performance Engineering team can identify and fix problems before you even know there is one.
- **Load Testing and Benchmarking** – The Flintfox Load Testing program puts your system through its paces and stresses it to identify bottle necks. The goal is to remove restrictions that are limiting the system potential. Typically, significantly higher than expected loads are simulated to test the limits and to gauge the current headroom for growth and expansion. Common restrictions that are identified include code inefficiency, database configuration (indexes, storage sub-systems, settings), and sometimes, hardware sizing.
- **Pre Go-Live Load Testing** – A pre go-live load test allows problems to be identified and resolved before bringing your system online and potentially adversely affecting your business. A Flintfox load testing program significantly improves the chance of a successful go-live, validates your system, and provides you with a view of the performance you should expect when you flip the switch.
- **Code Analysis and Optimisation** – The Flintfox Performance Engineering team are expert Microsoft developers armed with state of the art, custom-built code analysers enabling the quick identification of code inefficiencies. Building on our significant experience with Best Practices and the AX Customisation Analysis Tool (CAT), Flintfox can recommend and apply code changes for compliance with Microsoft and industry standards.
- **Performance Diagnostics, Analysis & Tuning** – With the database lying at the heart of any complex system, the state of your SQL Server environment can have a large impact on the performance of your applications as a whole. Flintfox often sees a significant improvement in application responsiveness and general user experience after we have optimised the database configuration, storage structures, indexes, maintenance plans, and the occasional SQL code.

Flintfox provides the skills and toolset to help optimise the performance of Dynamics® AX, NAV, and CRM systems.

What are the key benefits to your organisation?

- ✓ **World-class Industry and Dynamics® consulting expertise** – Our experienced team of professionals will work with you to support your business objectives. In addition to our team's training and certifications with Dynamics, they also have extensive experience in working with customers of various sizes and industries and their related enterprise business systems.
- ✓ **Comprehensive Performance Optimisation toolset** – We leverage our performance engineering services to help our customers receive the best possible performance from their systems. Flintfox provides the skills and toolset to help optimise the performance of Flintfox solutions as well as Dynamics® AX, NAV, and CRM systems.

If you'd like to review your performance optimisation requirements, we'd be happy to help. Please contact us to discuss how we can deliver the ideal services solution to suit your unique project or enterprise environment and meet your long-term goals.

Flintfox provides an integrated suite of consulting services structured to help clients efficiently: analyse their entire value chain and current capabilities; develop, deploy, and manage technology and business relationship infrastructures; and implement strategic solutions that create the most appropriate technical infrastructure to meet their business objectives as well as help employees, business partners, and customers interact more efficiently.