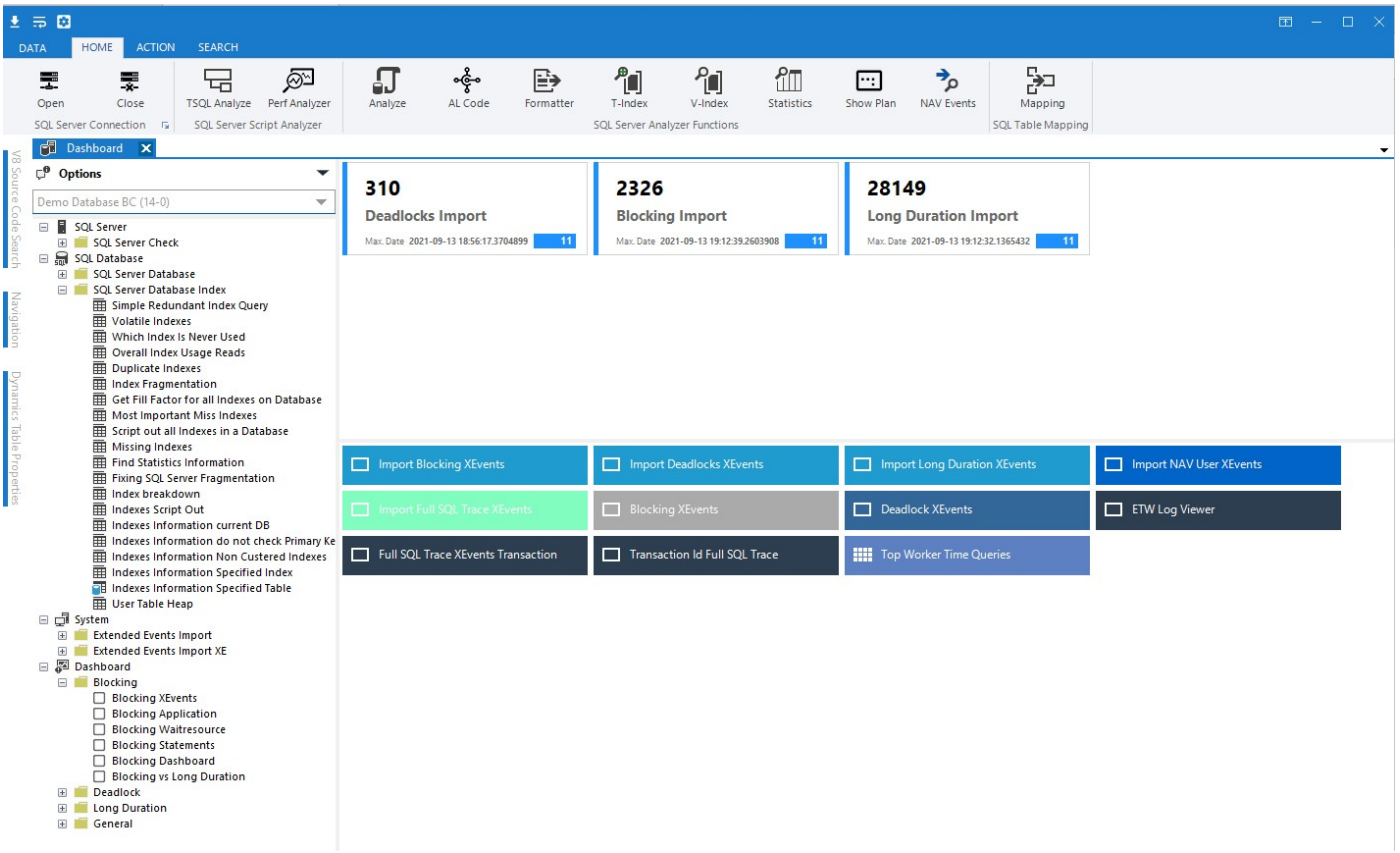
V8 Search XE

Performance Management for Dynamics 365 Business Central / NAV



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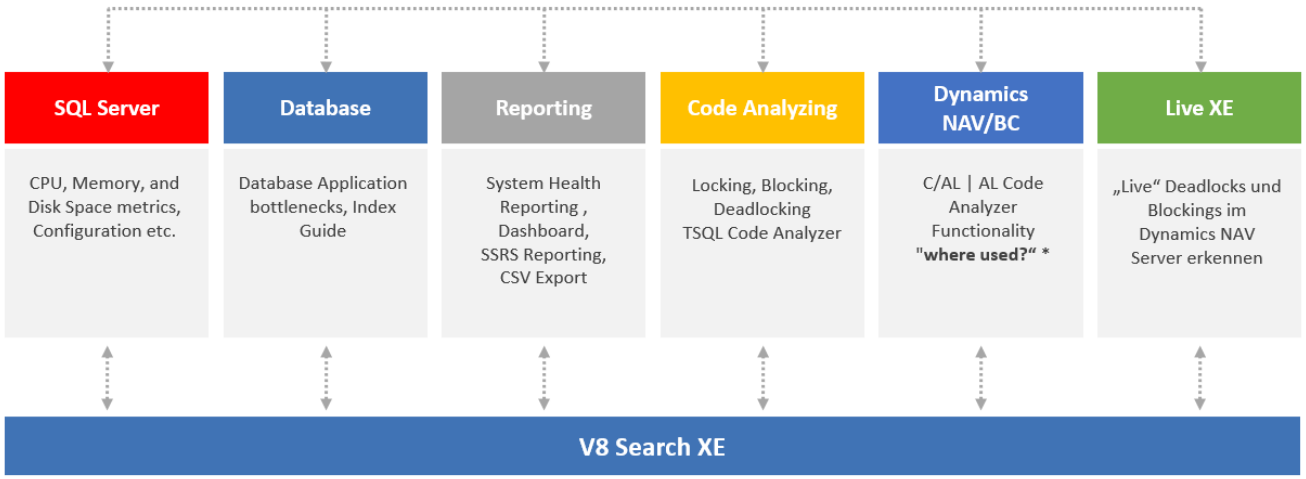
Introduction

This white paper addresses the performance optimization challenges for Dynamics NAV or 365 Business Central applications and SQL Server databases. With **V8 Search XE,** you have the only portfolio of intelligent performance tools that any system administrator can use to minimize table locks and slow actions in Dynamics 365 Business Central or NAV.

Vision 8 - V8 Search XE Function overview



* only for customers with a Dynamics NAV Application Builder or Solution Developer license.

V8 Search XE enables the performance monitoring IT team to shift from "firefighting" reported issues to adjusting and fine-tuning Dynamics SQL databases based on business priorities. V8 Search XE will help you predict when stressful conditions on the server will escalate to a performance issue that impacts the business and will intuitively guide system administrators to the root cause.

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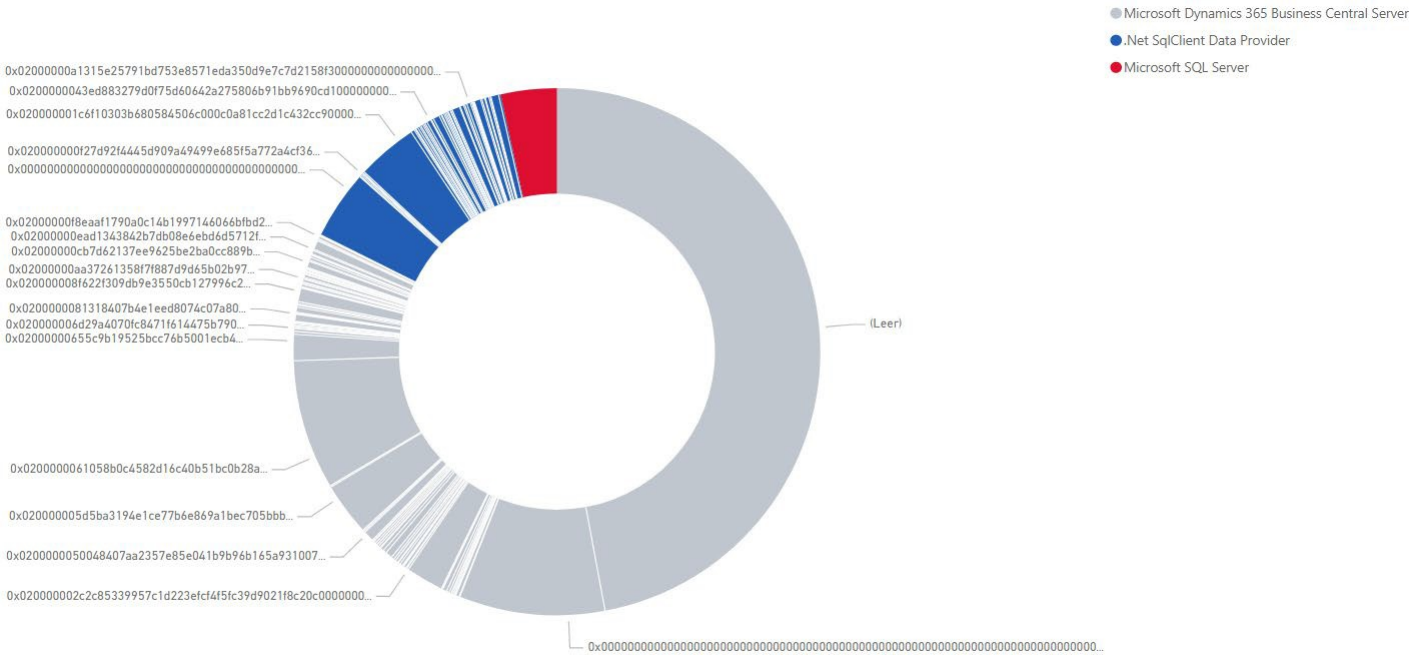
Identify problems, determine causes and measure success!

With V8 Search XE, you turn your SQL data into knowledge that enables you to troubleshoot performance issues and measure improvements so you can demonstrate cost savings over time.



Identify challenges that have a negative impact on the user experience, such as long query times for SQL statements.

Analyze the elements that contribute to high logical reads, such as table indexing and statistics. Benchmark and evaluate the extent to which Dynamics NAV changes help optimize your SQL Server performance, reduce costs, and increase productivity.

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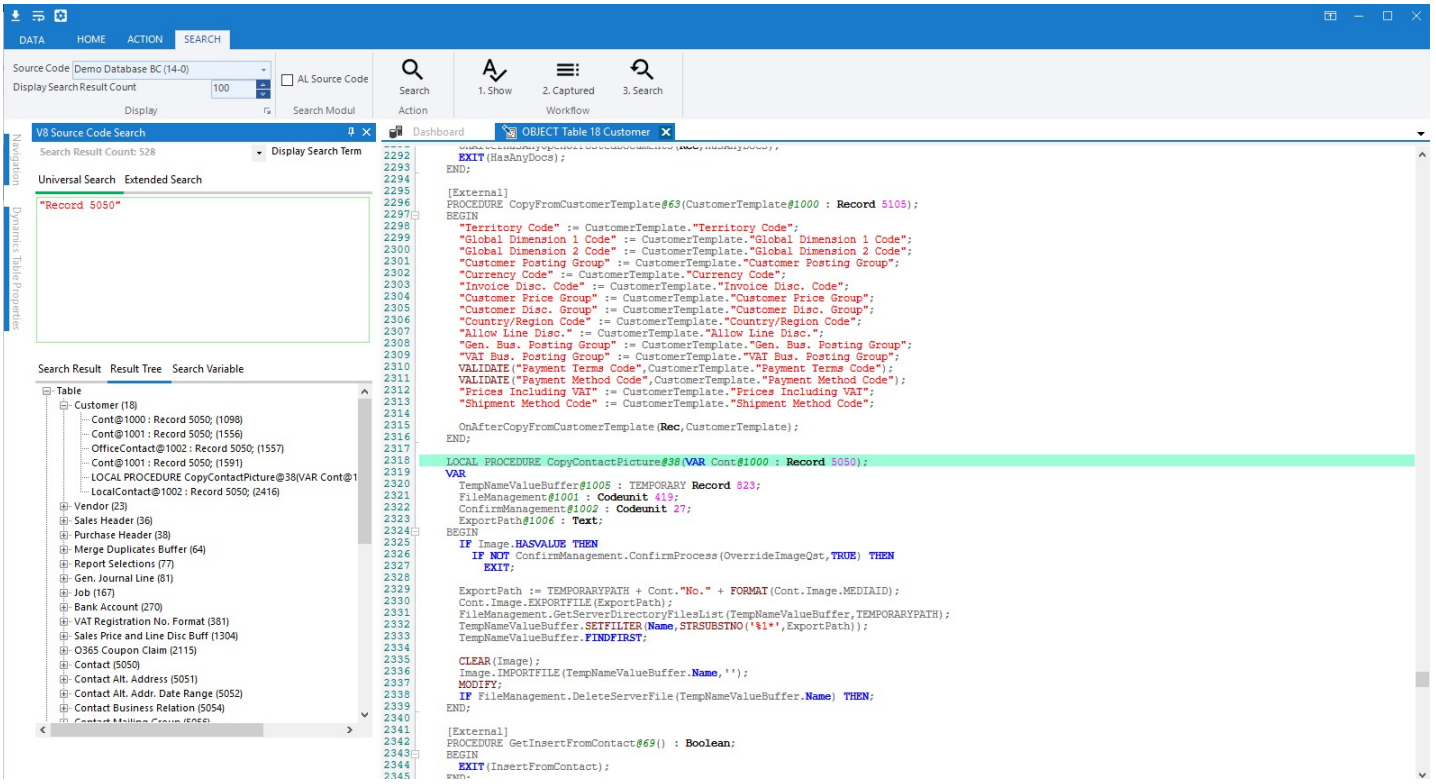
"Where Used Tool"

Search NAV / BC objects, definitions and references



A search string can contain several search terms, which must be separated by spaces. The search is not case sensitive. You can search for keywords in a symbol by using camel case within words and underscores to split the symbol into keywords. You can double-click a result to view the definition in C/AL or AL code.

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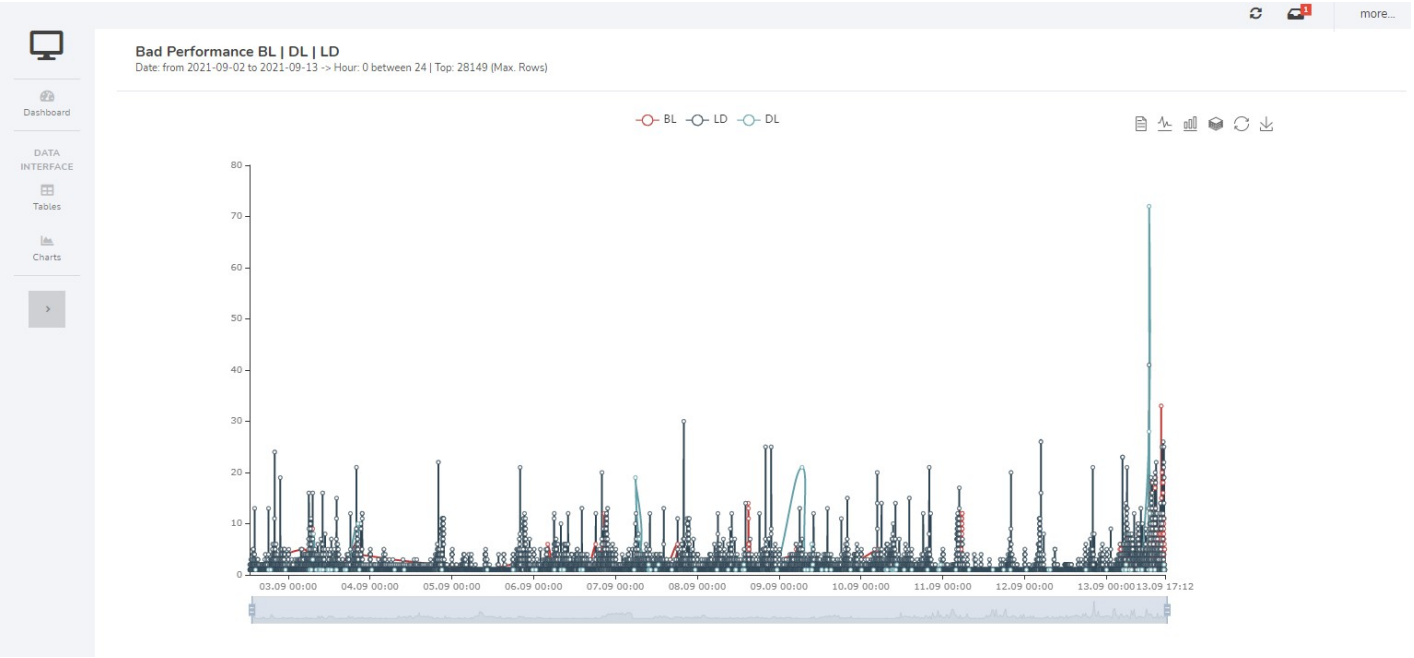
A complete rethink of how table locks are captured in Microsoft Dynamics NAV / Business Central and Microsoft SQL Servers!

The V8 SQL Performance Analysis provides the answers and shows not only SQL server IDs, but also more meaningful and clearly described Dynamics NAV / 365 BC table IDs and names. The performance analysis makes it clear where the focus should be.

Typical questions in the analysis process:

1. How many table locks (BL), time outs (LD) or deadlocks (DL) have occurred over a longer period of time? occurred?
2. which application areas / tables were affected?
3. which C/AL or AL code is responsible for this?



V8 Search XE performance analysis has proven that editing the top 20-50 indexes (high "logic reads") and VSIFT overheads (FlowFields) can lead to an increase in system performance of at least 20-30% - without changing a single line of C/AL | AL code.

V8 Search XE Performance Analysis gives your organization a 360-degree system review that focuses on performance, system efficiency and prevention. This information enables you to effectively fix problems before they occur.

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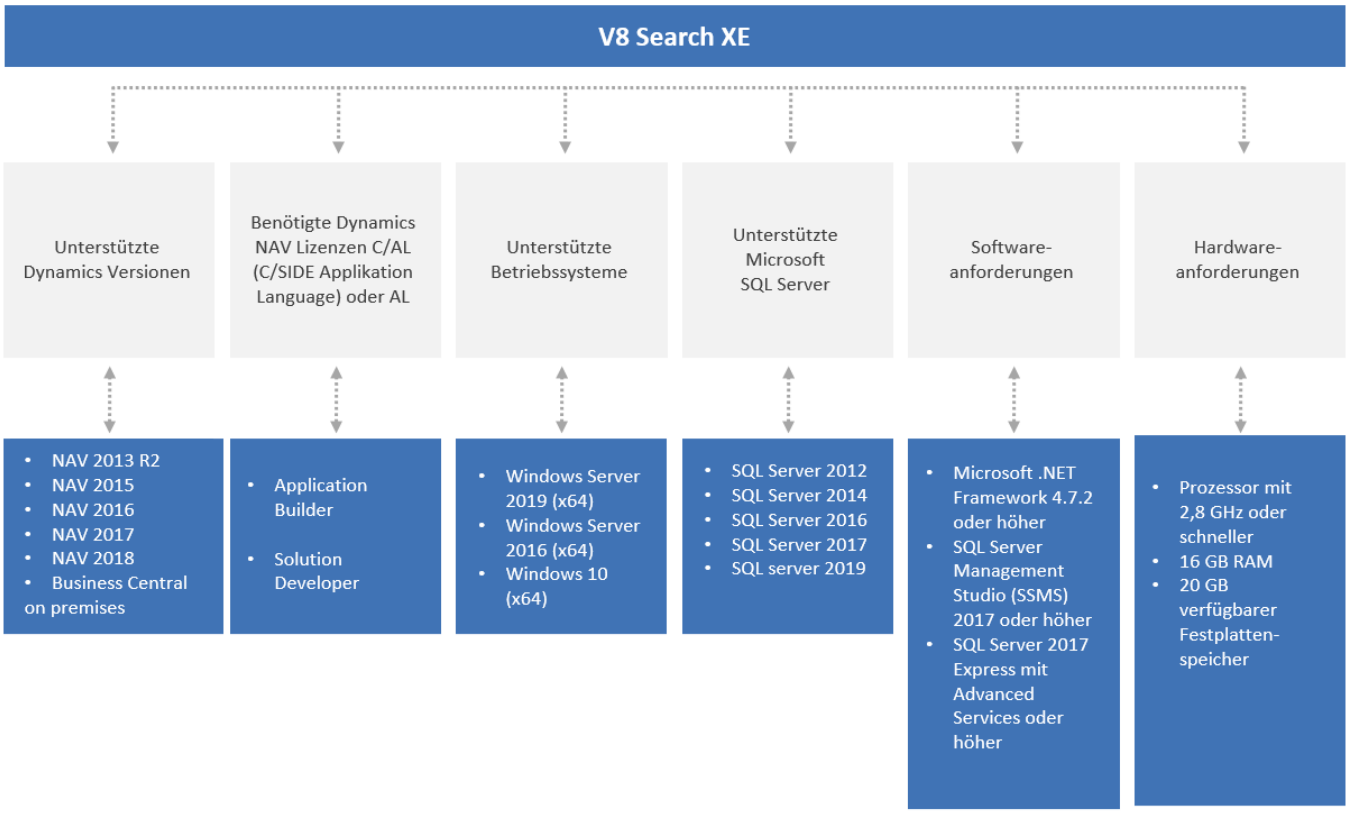
Using Vision 8 products

Dynamicsproject.com conducts coaching, consulting and training in its core business and designs or moderates' workshops in the area of Microsoft SQL Server and Dynamics NAV / Business Central. With the new V8 Performance Solutions the performance of your Microsoft SQL-Server and your Dynamics NAV / Business Central solution will be analyzed.

At Dyanmicsproject.com you can use our optimization tools / software only if we know you and your IT infrastructure. For an application as specialized as V8 Search XE, a briefing is mandatory. V8 Search XE are part of our V8 Performance solutions.



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Although you will of course receive the program package with a manual and online help, we believe that the basic knowledge and settings specific to your IT infrastructure (Dynamics NAV server, SQL server, firewall, etc.) can only take place in an individual on-site or remote installation.

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Why would you need a performance analysis?

Microsoft Dynamics NAV or Dynamics 365 Business Central are comprehensive enterprise resource planning (ERP) systems. For example, Dynamics NAV has over 1000 tables within a database that covers every single area of your business. Since Dynamics NAV is equally an OLTP and OLAP system, these tables have both transactional and analytical processing purposes. To manage this comprehensive system, you need a specialized set of tools that understand how Dynamics NAV works. V8 Search XE can help your Dynamics Business Central / NAV and SQL Server IT professionals optimize your system for optimal performance.

V8 Search XE forms a "bridge" between SQL Server and Dynamics NAV or Business Central. For example, your NAV developers will get important information about table and VSIFT indexes that cause the most overhead. They can focus their optimization efforts on the tables, indexes and application areas.

There is an 80-90% chance that your Microsoft Dynamics database is not configured to perform optimally.

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