SQL Server CPU Usage (Percent) alert

The SQL Server CPU Usage (Percent) alert indicates an unusually high amount of CPU usage by SQL Server. The percentage of SQL Server processor usage is listed under the control. A high SQL Server percentage could indicate a large number of active client sessions.

Reduce your SQL Server CPU usage

Consistently high SQL Server processor usage could indicate the need to:

- Reduce the number of SQL re-compilations as they are CPU intensive. There are many reasons that an object such as a stored procedure is recompiled and you can remove most of these reasons by careful coding.
- Make sure that all T-SQL statements (whether in a stored procedure, trigger or ad hoc statement) that reference objects fully qualify the object referenced.

For example: `SELECT * FROM Northwind.dbo Employees` is a fully-qualified object reference whereas `SELECT * FROM Employees` is a poorly-qualified object. You can reuse the execution plans of fully-qualified objects "as is," whereas plans where you either cannot reuse the not fully-qualified objects or, if they are reused, then they are subject to a highly restrictive `COMPILE` lock while SQL Server determines if all of the objects referenced in the T-SQL code have the same owners as the execution plan currently in cache. Both of these situations consume a significant amount of CPU time.

> To enable alerting when this metric is outside its established baseline, click the **Baseline Thresholds Enabled (as percentage of baseline)** check box in the Alert Configuration window.

SQL Diagnostic Manager identifies and resolves SQL Server performance problems before they happen. Learn more > >

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