# Fine-tune your analysis

SQL Diagnostic Manager provides several options to fine-tune your prescriptive analysis results. You can apply filters that allow you to focus on a specific application or database. You can also reduce analysis "noise" by blocking recommendations and databases for changes that you do not plan to make in your environment.

## **Apply filters**

| Server Settings   | ?    | $\times$ |
|---|------|----------|
|   |      |          |
| Filters Settings Block Recommendations Block Databases          |      |          |
| Would you like to analyze workload from a specific application? |      |          |
| Application name (% wildcard):                                  | ]    |          |
| Which Database should be used to filter?                        |      |          |
| Database Name: Select Database to filter. $\checkmark$          |      |          |
|   |      |          |
|   |      |          |
|   |      |          |
|   |      |          |
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To apply filters in your analysis results:

- 1. Right-click the appropriate SQL Server instance from the Servers sidebar and select Properties.
- 2. Select Analysis Configuration when SQL Diagnostic Manager displays the Monitored SQL Server Properties window.
- 3. Click Advanced Settings to access the Server Settings window.
- 4. Select the Filter Settings tab.
- 5. Enter the filter information in the provided fields, using (%) as a wildcard.
- 6. Click OK.

### **Block your recommendations**

| DESKTOP-IF6DH7B                                | <u> </u>  |                                       |
|--|---|---------------------------------------|
| Block Export Copy Email Undo Run S             | Show Problem Undo Script Optimize Script 😋 🚻  | History Browser                       |
| Finding Text                                   | Priority  | ∇ ▲                                   |
| The integrity of database (SQLdmRepository     | Block Objects   | ×                                     |
| Backups for database [SQLdmRepository] are     | Discourse the ship to the table of the block of                                     |                                       |
| The integrity of database [IderaDashboardRe    | Please select the objects that should be blocked:                                   |                                       |
| The integrity of database [ReportServer] has   | Recommendation Type   |                                       |
| The integrity of database [ReportServerTemp]   | Database integrity should be checked  |                                       |
| The integrity of database [SQLsafeRepositor]   |   |                                       |
| The integrity of database [master] has not be  |   |                                       |
| The integrity of database [model] has not be   |   |                                       |
| The integrity of database [msdb] has not bee   |   |                                       |
| The SQL Server user right "Lock Pages in Men   | Database  |                                       |
| Deadlock information is not being captured     | SQI dm Repository   |                                       |
| The collation of database SQLdmRepository,     |   |                                       |
| The compatibility mode of database SQLdm       |   |                                       |
| The collation of database IderaDashboard Re    |   |                                       |
| The collation of database ReportServer, Latin  |   | · · · · · · · · · · · · · · · · · · · |
| The integrity of database ISOI dmR             |   |                                       |
|  |   |                                       |
| The physical integrity of a database [SQLdmRep | Block Selected Cancel   | and data loss can be minimized.       |
| Recommendation:                                |   |                                       |
| Is is recommended that you run DBCC CHECKD     | B against database [SQLdmRepository] to ensure there are no data integrity problems |                                       |
| Database: SOLdmRepository                      |   |                                       |
|  |   |                                       |
| Learn more about:<br>DBCC CHECKDB              |   |                                       |
| and an and                                     |   |                                       |
|  |   |                                       |
|  |   |                                       |
| SDR-R3 Database integrity should be checked    |   |                                       |

#### To block recommendations from appearing in your analysis:

- 1. Select one or more recommendations returned from the analysis.
- 2. Click Block in the Actions group of the Analyze tab and the Block Objects screen displays.
- 3. Select the recommendation check box or boxes under Recommendation type.
- 4. Click Block Selected.

#### To block recommendations from the Server Settings window:

- Right-click the appropriate SQL Server instance from the Servers sidebar and select Properties.
  Select Analysis Configuration when SQL Diagnostic Manager displays the Monitored SQL Server Properties window.
- 3. Click Advanced Settings to access the Server Settings window.
- 4. Select the Block Recommendations tab.
- 5. Select the **Block** check-box next to each of the recommendations you want to block from future analyses.
- 6. Click OK.

| Filters | Settinas                     | Block | Recommendations | Block   | Databases              |                 |              |              |          |         |   |
|---------|------------------------------|-------|-----------------|---|------------------------|-----------------|--------------|--------------|----------|---------|---|
| 0       | ID                           |       | Category        |   | Descriptio             | n               |              |              |          |         | ^ |
|         | SDR-D                        | )1    | Disk            |   | High aver              | age disk que    | ue lengti    | n: Drive hol | ds swaj  | p files |   |
|         | SDR-D2 Di                    |       | Disk            |   | High disk queue length |                 |              |              |          |         |   |
| 0       | SDR-D                        | 23    | Disk            | Disk  |                        | Governor is     | being us     | ed to limit  | resourc  | es of   |   |
| 0       | SDR-D                        | )3    | Disk            |   | I/O subsy              | stem has bee    | en under     | stress       |          |         |   |
| 0       | SDR-D                        | )4    | Disk            |   | High ave               | age disk que    | eue lengt    | th and fragr | mentatio | on: D   |   |
|         | SDR-D                        | )5    | Disk            |   | Incorrect              | unit allocation | n disc: D    | rive holds t | transact | tion I  |   |
|         | SDR-D6 Disk                  |       |                 | High average disk queue length: Drive holds transacti             |                        |                 |              |              | sacti    |         |   |
|         | SDR-D7 Disk                  |       | Disk            | High average disk queue length: Drive is SAN, SSD,                |                        |                 |              | SD,          |          |         |   |
|         | SDR-D8 Disk                  |       |                 | Instant initialization is not enabled                             |                        |                 |              |              |          |         |   |
|         | SDR-D9 Disk                  |       |                 | tempdb data files are not all the same size                       |                        |                 |              |              |          |         |   |
|         | SDR-D10 Disk                 |       |                 | Tempdb is not pre-sized appropriately                             |                        |                 |              |              |          |         |   |
|         | SDR-D11 Disk                 |       |                 | tempdb is   | experiencing           | ; metada        | ta contentio | on and v     | vaits    |         |   |
|         | SDR-D12 Disk                 |       |                 | Tempdb could use additional data files                            |                        |                 |              |              |          |         |   |
|         | SDR-D13 Disk<br>SDR-D14 Disk |       |                 | tempdb has too many data files<br>Page compression is recommended |                        |                 |              |              |          |         |   |
|         |                              |       |                 |   |                        |                 |              |              |          |         |   |
|         | SDR-D                        | )15   | Disk            |   | Tempdb i               | not in simpl    | e recove     | ery mode     |          |         |   |
|         | SDR-D                        | )17   | Disk            |   | Low fill fa            | ctor for large  | tables       |              |          |         |   |
|         | SDR-D                        | 19    | Disk            |   | Auto-shri              | k enabled       |              |              |          |         | ~ |

Blocking a recommendation removes it from all future analyses results for this registered instance.

## **Block databases**

To block databases from appearing in your analysis:

- 1. Access the Block Objects screen by selecting one or more recommendations and clicking Actions > Block in the Analyze tab.
- 2. Select the database check box or boxes under Database.
- 3. Click Block Selected.

#### To block databases from the Server Settings window:

- 1. Right-click the appropriate SQL Server instance from the **Servers** sidebar and select **Properties**.
- 2. Select Analysis Configuration when SQL Diagnostic Manager displays the Monitored SQL Server Properties window.
- 3. Click Advanced Settings to access the Server Settings window.
- 4. Select the Block Databases tab.
- 5. Select the Block check box next to each of the databases you want to block from future analyses.
- 6. Click **OK**.

| Server Se | ttings    |                         |                 |      | ?     | Х |
|-----------|-----------|-------------------------|-----------------|------|-------|---|
|           |           |                         |                 |      |       |   |
| Dilk and  | Callinas  | Diada Dagamente detigna | Block Databases |      |       |   |
| Filters   | Detelor   | BIOCK Recommendations   | DIOCK Databases | <br> |       |   |
| -         | Databas   | e                       |                 |      | 1     | î |
|           | AG syn    | c test                  |                 | <br> |       |   |
|           | AGTES     |                         |                 |      |       |   |
|           | AGTES     | T2                      |                 |      |       |   |
|           | DevAG     |                         |                 | <br> |       |   |
| 0         | distribut | tion                    |                 |      |       |   |
|           | Facilitie | s                       |                 |      |       |   |
|           | IsoTest   |                         |                 |      |       |   |
|           | JLBTes    | tAG1                    |                 |      |       |   |
|           | master    |                         |                 |      |       |   |
|           | model     |                         |                 |      |       |   |
|           | msdb      |                         |                 |      |       |   |
|           | ReportS   | erver\$SQL2014          |                 |      |       |   |
|           | ReportS   | erver\$SQL2014TempDB    |                 |      |       |   |
|           | salesdb   | I                       |                 |      |       |   |
|           | SIM2      |                         |                 |      | <br>  |   |
|           | SQLDM     | 29392                   |                 |      |       |   |
|           | SQLdm     | Repository              |                 |      |       |   |
|           | SQLInv    | entoryManagerRepository |                 |      |       | ~ |
|           |           |                         |                 | OK   | Cance | 1 |

Blocking a database removes it from all future analyses results for this registered instance.

## Unblock your recommendations or databases

To unblock recommendations or databases to include them in your analysis:

- 1. Right-click the appropriate SQL Server instance from the Servers sidebar and select Properties.
- 2. Select Analysis Configuration when SQL Diagnostic Manager displays the Monitored SQL Server Properties window.
- 3. Click Advanced Settings to access the Server Settings window.
- 4. Select the Block Recommendations tab or the Block databases tab of the Server Settings window.
- 5. Scroll down the list of blocked recommendations or databases and find the recommendation or database you want to unblock.
- 6. Clear the **Block** box next to the appropriate recommendation or the **Block** box next to the appropriate database.
- 7. Click OK.

SQL Diagnostic Manager for SQL Server performance monitoring, alerting, and diagnostics for SQL Server.

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