



SQL Server Assessment  
Routine Health Report  
**Customer ABC**

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## 1 - About this Report

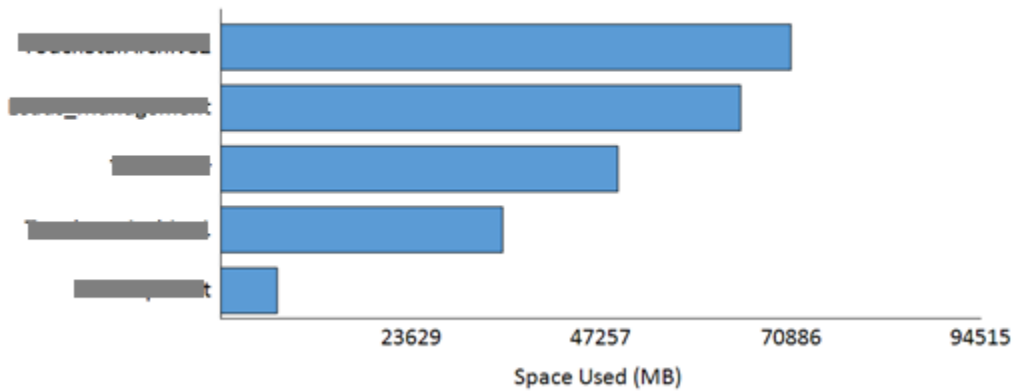
This report assesses the health of the SQL Server using three major categories. These include settings, file, and resources. Setting health looks for configuration issues that may go against prescribed best practices. File health looks at how the database interacts with the file system, looking for adequate space and compares the current configuration versus best practices. Resource health looks to ensure adequate resources are available to operate the SQL Server optimally and looks for indicators pointing to performance issues. Resource health comprises of three sub-categories – wait health, task health, and memory health. Wait health deals with issues with database processing waits and delays. Task health validates that scheduled tasks and jobs are working optimally. Memory health looks to ensure adequate memory is available to run the SQL Server properly.

The assessed health is based on published best practices from Microsoft and other resources. They are only generalizations and there can be instances where violating a best practice may be necessary and even desirable. Please consult a SQL Server DBA for further analysis and evaluation.

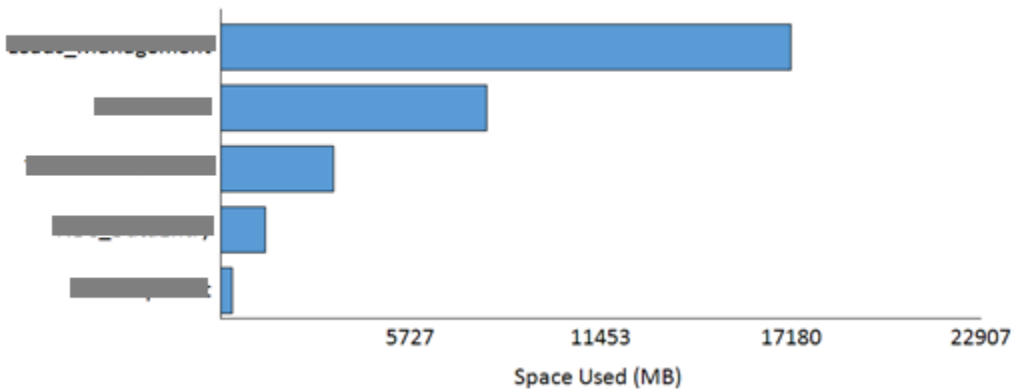
## 2 - SQL Server System Summary

SQL Server: Customer ABC	
Version	9.00.3080.00
User Databases	17
System Databases	21
Total Databases	21
Total Jobs	30

### Top 5 Databases by Data File Size

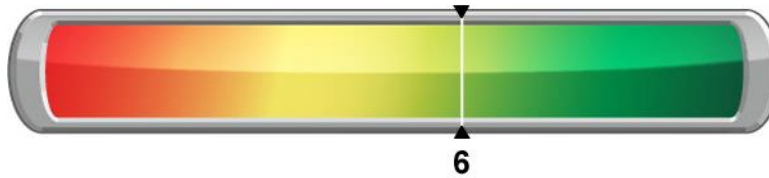


### Top 5 Databases by Log File Size



### 3 - SQL Server Health Summary

#### Overall Health










Category	
Settings Health	
File Health	
Resource Health	
SQL Server Agent Health	

## 4 - SQL Server Health Detail

The following sections break down the individual health scores and shows what factors contributed to raising or lowering the health score.







### 4.1 - Settings Health



Settings Health Factors			
<b>Backup Compression Default</b>	Not Enabled		Backup compression helps save size on the target drives by compressing backups and reduces the time of the backup window. In most cases, enabling this feature is desired.
<b>CLR</b>	Enabled		Disabling CLR will reduce memory footprint and increase security. In most cases, disabling this feature is desired.
<b>Lightweight Pooling</b>	Not Enabled		
<b>Priority Boost</b>	Enabled		Priority boost can interfere with smooth server functioning. In all but the most unusual cases, disabling this feature is desired.
<b>Optimize for Ad-Hoc Workloads</b>	Not Enabled		
<b>Auto Shrink</b>	Not Enabled		
<b>Auto Close</b>	Not Enabled		




## 4.2 - File Health



File Health Factors			
<b>Data and Log File Placement</b>	On same drive		Data and Log files should be placed on separate drives to reduce I/O congestion.
<b>File Placement</b>	Not on OS Drive		
<b>TempDb Placement</b>	On Isolated Drive		
<b>Available Disk Space</b>	Unable to determine. Space assumed to be sufficient.		
<b>Available Disk Space Trend (90 Days Projection)</b>	Sufficient ( > 10 GB)		
<b>I/O Stalls</b>	High		Average I/O Stalls over 100 ms can indicate inadequate I/O throughput.

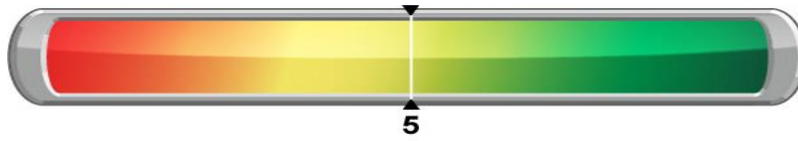
**4.3 - Resource Health**





Resource Health Factors			
Signal Waits	Below 10%		
Average Current Tasks	< 10		
Physical Memory Available	Low		Inadequate available physical memory will degrade the performance of the SQL Server



#### 4.4 - SQL Server Agent Health



SQL Server Agent Health Factors			
<b>Running</b>	Yes		
<b>Failed Jobs ( past 30 days)</b>	> 0 (3 failed jobs)		Failed jobs may include critical maintenance tasks and should be reviewed.