

# Database Growth Forecast

The Database Growth Forecast report lets you predict how large selected databases may grow based on current and historical growth rate trends. For more accurate forecasting, select the largest possible period of historical data and the shortest possible projection into the future.

## When to run this report

You should run the Database Growth Forecast report to help anticipate your needs and plan for future database expansion.

## Available forecast types

You can choose Linear or Exponential (Aggressive) forecasting types when you run this report.

Linear forecasting follows the trend of the available data and extends the forecast out in a straight line by the number of forecast units.

Exponential forecasting tends to exaggerate the trend that exists in the data. This allows you to more easily see if your data (database growth) is trending toward or away from a critical threshold. If the rate of growth is not constant, the exponential forecast type gives a more accurate forecast of future growth.

## How SQL Diagnostic Manager calculates metric values on this report

Most values on the Database Growth Forecast report correlate with the related SQL Server metric.

However, some metric values represent averages over time. Likewise, a few metric values are based on performance algorithms that use multiple statistics to calculate a more accurate metric.

You can access our [Customer Support Portal](#) for more information about the algorithm used to calculate a specific metric.

- How is the Worst Performing and Most Frequent Queries information gathered? - Solution #00000412
- How does SQL Diagnostic Manager gather statistics from monitored SQL Servers? - Solution #00000055
- How does SQL Diagnostic Manager calculate the reorganization percentage for database tables? - Solution #00000301
- What does the 'Memory Usage' metric in the console and reports represent? - Solution #00002237