



# DOCUMENTATION

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*Capacity Forecasting Benefits and Features*

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The Capacity Forecaster provides you with the ability to:

- Conduct a trend analysis of transactions in an application, including a month-by-month growth trend at both cumulative and transaction-wise levels. This feature allows you to observe corresponding trends in breached metrics (in terms of anomaly count), enabling you to identify workload mixes or clusters causing maximum anomalies.
- Generate a trend forecast report over a specified duration, calculating the growth trend for transactions within that duration.
- Input transaction growth forecasts on a specific transaction mix and generate a detailed capacity forecast report on all relevant metrics.

## **Benefits of Capacity Forecasting**

Capacity forecasting provides several key advantages, including:

- Observing capacity trends that align with workload signatures. This insight allows you to pinpoint the precise workload mix causing maximum resource contention. For instance, a mix of high CPU Utilization, high memory utilization, and high I/O's. This feature assists you in planning for capacity based on the projected growth of this particular mix.
- Reducing the number of issues arising from capacity breaches and lowering the costs of running a data center by optimizing currently over-provisioned services, through the capacity forecast report.
- Generating a capacity forecast report to proactively plan infrastructure and configurations, thus helping prevent signals.