

# Pre-empting capacity issues ▶▶

Using Sumerian Capacity Planner

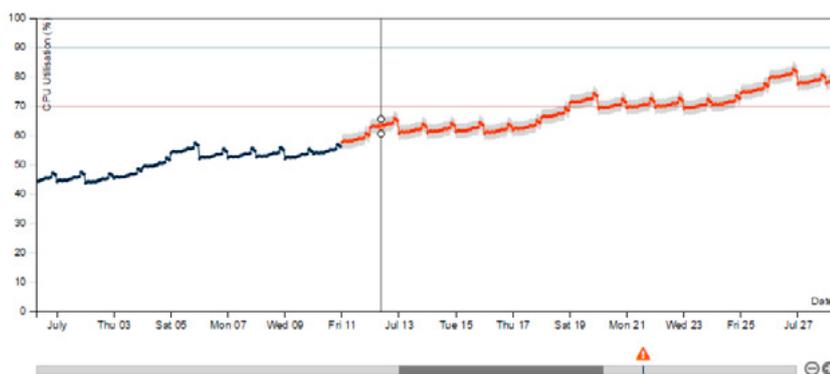
## The challenge

We can all remember recent news stories, where companies heavily dependent on IT systems to deliver core business have been significantly affected by outages and downtime as a result of capacity issues. These outages disrupt service delivery and business continuity, resulting in lost business, damaged reputation and frustrated customers. When assessing headroom for growth, the complexity of many IT environments makes it difficult to gain a precise understanding of capacity and, therefore, increases the risk of running into capacity-related performance problems.

## Sumerian solution

Using the Predictive Events capability of Sumerian's Capacity Planner software, those responsible for capacity planning can accurately anticipate and resolve potential capacity issues before they impact business performance. The insight provided—based on modeled CPU, memory and IO utilization data—is flagged to the user, allowing them to forecast when a server is likely to experience compute or storage capacity constraints.

Using sophisticated machine learning and pattern matching techniques, Sumerian Capacity Planner extrapolates utilization data from across your infrastructure and forecasts when server and storage capacity issues will occur, ensuring an accurate calculation of likely capacity scenarios. It projects growth trends in compute and storage metric behavior and determines when those trends will breach Warning, Major or Critical thresholds.



Time series chart

Time series charts give you a detailed view onto both the relevant historic data and the forecast utilization profile, and provide a confidence level in that forecast. This means you have days, sometimes weeks, of advance warning of potential problems — letting you take mitigating actions rather than rely on

urgent, and often disruptive, incident response. Regardless of the scenario, the user can then determine when resource constraints will occur, and proactively take action to prevent high profile outages or significant performance degradations.

### **Client results and value**

The results speak for themselves—with many of Sumerian's clients significantly minimizing business risk and avoiding costly outages. Using Sumerian Capacity Planner, they are empowered to anticipate and resolve potential capacity issues before operational performance is impacted. As a typical example, one global retail bank prevented over 300 outages on its most critical business systems during a recent twelve month period, while preventing regulatory and reputational risk issues.

▶▶ **More information**

To find out more about Sumerian Capacity Planner, just give us a call on 0131 226 9300, drop an email to [sarah@sumerian.com](mailto:sarah@sumerian.com) or visit our website at [www.sumerian.com](http://www.sumerian.com)