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The Three Keys to Big Data Performance Management Checklist

When IT doesn't have visibility into the performance of their big data system, overspending is almost certain. This problem is particularly acute for cloud-based users. A lack of insight into infrastructure requirements can lead to overprovisioning, at times ultimately resulting in a capacity wastage of up to 50%. When IT is flying blind, they struggle to pinpoint why an application is running slow, who the expensive users are, and how to guarantee SLAs for applications. Not to mention that without recommendations or alarms, it can take days or weeks for IT to resolve a problem. Fortunately, these problems can be prevented by ensuring you have three key things:
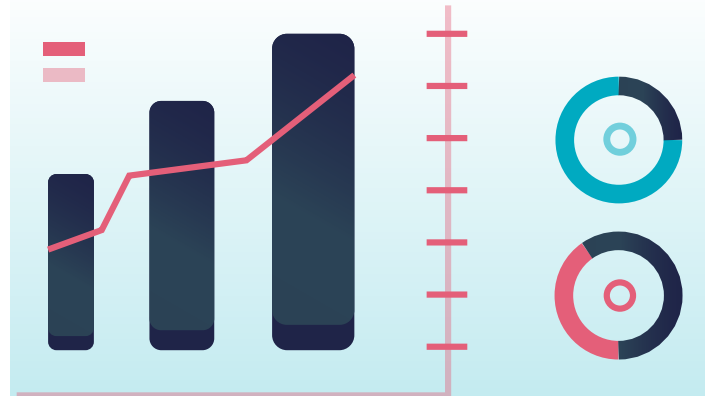
1. Capacity Management
IT operators need a clear view of their big data platform resources to make informed capacity planning decisions quickly. Because capacity needs fluctuate, a clear view of supply and demand is required.

2. Real-Time Visibility
Operators and developers rely on real-time visibility to rapidly identify performance issues and quickly troubleshoot. A comprehensive and intuitive dashboard capable of collecting and presenting data in near real time and at scale is critical to providing real-time visibility. This dashboard should also include recommendations, auto detection, and waste reports.

3. Automation and Optimization
Achieving the right level of automation and optimization empowers IT to understand system performance and take prompt action. We recommend a system that can analyze, correlate, and interpret events in near real time—with recommendations and alerts that notify of problems in advance.

Having a tool that monitors, reports on, automates, and optimizes the big data stack allows you to efficiently manage your big data performance. In the data center and in the cloud, Pepperdata provides unmatched automated optimization and observability to help IT maintain business continuity, ensure that applications and workloads meet SLAs, and track resource usage and spend.

To get a more detailed look at the three keys listed here and how Pepperdata helps you achieve them, download the guide:
The Three Keys to Big Data Performance Management.