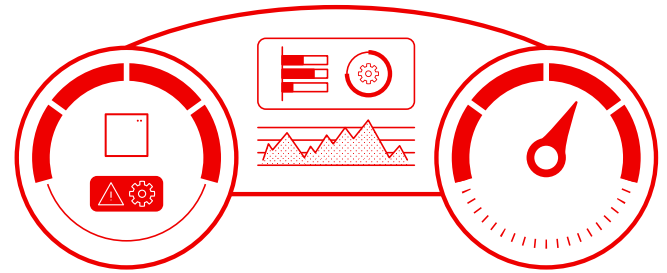





Get reliable performance for your workloads




Experience performance tooling that helps you identify performance issues, analyze data, and tune your system to improve how hardware and workloads work together.

-
-  **Optimize your workload performance with TuneD**
[Try it >](#)

TuneD is a Linux® service that uses profiles to optimize your systems for different workloads and use cases. Built-in TuneD performance profiles can tune a broad range of workloads in a single command. TuneD profiles allow you to apply performance settings and get the best performance from your system—without getting bogged down in the technical details of the system.
 -  **Analyze your performance with lightweight bcc-tools**
[Try it >](#)

Do you want to observe performance metrics without adding system overhead? BPF Compiler Collection (BCC) tools help you gather kernel information and analyze the performance of your Linux operating system. Based on extended Berkeley Packet Filter (eBPF) technology, the bcc-tools package delivers a variety of lightweight and high-performance Python-based programs to profile specific, programmable performance metrics.
 -  **Get a snapshot of what's going on right now with the web console**
[Try it >](#)

When it comes to understanding complex system metrics, you need a single, easy-to-use dashboard. A web-based graphical interface helps you visualize central processing unit (CPU), memory, storage, and network performance metrics and deploy configured performance profiles. Whether you're managing systems in a datacenter, public cloud, or on edge devices, you can see live statistics and historical data of what's happening, making it easy to put all the pieces together and get a complete picture of your environment.
 -  **Make historic data capture and troubleshooting easy with Performance Co-Pilot**
[Try it >](#)

Performance Co-Pilot (PCP) is a lightweight tool that gives you a 360-degree view into performance metrics across your environment. With the historic data capture enabled, you can see usage, saturation, and error metrics for CPU, memory, storage, and network, all graphed in a historical table in the Web Console. You can see what those usage and saturation metrics look like at any given point across the different resources, without waiting for them to happen again. To shorten your time-to-issue resolution, access the historical metrics data and share it directly with the Red Hat® support team.



Deliver powerful data visualizations by integrating with Grafana

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Grafana is an open source analytics software that can be integrated with PCP to build rich visualizations on top of your performance data. By combining the preloaded Grafana dashboards with the remote logging capabilities of PCP, you can aggregate real-time and historic data from a variety of hosts into a single view for analysis and troubleshooting. To monitor your ecosystem applications, such as SQL Server, you can choose from a variety of plug-ins.



Apply the latest performance improvements as soon as they are available

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Throughout the 10-year life cycle of Red Hat Enterprise Linux, you get access to performance-related patches. Installing these patches will help ensure that you are benefiting from performance improvements and making the most out of your investment. If downtime isn't an option while applying patches, use the live patching tool. If you aren't sure what patches have been applied, the patch services in Red Hat Insights (included in your subscription) can help you stay up to date with the latest product advisories.



Benchmark your workload performance prior to production

[Learn more >](#)

Creating a baseline is one of the first steps when it comes to measuring system performance. If you don't understand the baseline performance or face inconsistencies in data collection, you won't know what to improve, such as processing speeds or data storage. That deeper level of understanding helps you plan and troubleshoot any future performance issues. Although there are several do-it-yourself tools available, engaging with Red Hat Consulting can save you time and resources when putting together a winning benchmark strategy.



Learn to optimize performance with efficient hardware capacity planning

[Try it >](#)

A number of complex performance issues that are reported turn out to be related to hardware capacity. If you're not getting the performance you need, you should evaluate whether or not your applications are saturating underlying hardware. You might be overworking your existing hardware resources. In most cases, adding more resources may help you get the performance you need.