





# Maximize Efficiency, Security, and Innovation with Docker's Latest Features


At Docker, we're committed to continuously evolving to meet the ever-changing demands of modern application development and deployment. Over the past year, we've introduced must-have products and features designed to accelerate development, fortify security, and streamline your workflows. By choosing Docker, you're investing in a future of efficiency, scalability, and innovation. Here's how:


## Increased Productivity


Docker accelerates application development by streamlining workflows and enhancing collaboration, helping your team deliver high-quality, consistent results faster. With tools that seamlessly integrate local and cloud development, Docker empowers your team to boost productivity, reduce costs, and get modern applications to production more quickly.

 **Accelerated Builds with Docker Build Cloud:** [Docker Build Cloud](#) enhances team productivity by accelerating builds for multi-container apps and large repos, using shared cloud compute time and cache across local and CI/CD builds.

 **Scale Testing with Testcontainers Cloud:** [Testcontainers Cloud](#) makes testing scalable and efficient for growing teams. By offloading test dependencies to the cloud, Testcontainers Cloud ensures consistent performance across environments. Developers can run tests from desktops or CI systems without affecting machine performance, while Turbo Mode speeds up CI runs with parallel execution.


 **Optimized Development and CI/CD Workflows:** Tools like Docker Build Checks accelerate Dockerfile optimization, reducing build times and enhancing security. Docker Compose Watch enables faster iteration with native hot reloading, while Docker Debug simplifies troubleshooting by allowing developers to inspect and fix issues directly in running containers. Additionally, GitHub Actions integrations allow developers to inspect Build Cloud builds directly in Docker Desktop, offering performance metrics, cache usage, and error reports for quicker debugging and more efficient CI/CD workflows.


 **Seamless Productivity Enhancements:** The integrated Terminal lets developers switch effortlessly between CLI and GUI, minimizing context switching to boost productivity. Additionally, [Synchronized File Shares](#) improve filer operations by up to 10x, making managing large codebases easier and further streamlining development processes.


 **Blazing Fast Performance:** Significant improvements to Docker Desktop have reduced startup times by up to 75%, increased network performance by 85x, and improved file-sharing speeds. [Resource Saver Mode](#) reduces idle memory usage by 10x, allowing for efficient multi-tasking and performance optimization.


## Enhanced Security


With robust security measures and compliance practices built into every tool, Docker safeguards your applications at every stage, ensuring compliance and mitigating risks without slowing development.

 **Secure Software Supply Chain with Docker Scout:** [Docker Scout](#) gives developers increased transparency and context into their components, libraries, tools, and processes. It offers vulnerability analysis for an unlimited number of Scout-enabled repositories, with health scores that simplify maintaining security and compliance. By delivering actionable insights empowers developers to make smarter decisions with context-aware recommendations that enhance reliability and strengthen application security.

 **Air-Gapped Containers for Secure Deployments:** [Air-gapped containers](#) allow admins to block internet access while permitting internal network access. Custom proxy rules enhance security by controlling TCP ports and routing traffic through proxies, making it an ideal solution for organizations with strict security needs. This setup ensures both secure and scalable deployments.

 **Secure Development Environments:** [Enhanced Container Isolation](#) (ECI) is now extended to Docker build and buildx commands, ensuring all builds run in rootless mode for better security. This protects the host from threats during the build process, not just during runtime. Additionally, Docker Socket Mount permissions in ECI blocks unauthorized access. Admins can selectively grant permissions to specific containers, ensuring only trusted images can access the socket.






 **Security Certifications SOC 2 Type 2 and ISO 27001:** Docker is proud to have achieved [SOC 2 Type 2 attestation and ISO 27001 certification](#). These certifications reinforce our commitment to delivering secure, compliant products. SOC 2 evaluates our controls for security, availability, confidentiality, processing integrity, and privacy, while ISO 27001 ensures strict data management practices.

 **Enhanced Authentication & Proxy Support:** [NTLM and Kerberos authentication](#) protocols provide secure access in Windows environments, while SOCKS5 proxy support ensures safe HTTP/HTTPS traffic routing, improving network flexibility and security.



## Faster Innovation

Docker accelerates innovation by simplifying enterprise administration and providing transparent insights, enabling teams to focus on driving application development forward. By offering access to a robust ecosystem and the flexibility to choose the right tools, languages, and frameworks for each project, Docker empowers organizations to stay ahead of the competition.

-  **Expanding Ecosystems for AI & Cloud Development:** Docker continues to support AI and cloud-native development with integrations like [NVIDIA AI Workbench](#) and [Microsoft Dev Box](#). Develop AI models and cloud-native applications with the same simplicity and flexibility that Docker brings to all containerized environments.
-  **Seamless Integration with GitHub Copilot:** The [Docker Extension for GitHub Copilot](#) helps developers containerize applications faster, automatically generating Dockerfiles and Compose files. Users can easily ask questions about containerization through this extension, generate Docker assets tailored to their projects, and even open pull requests directly from the chat interface.
-  **Streamlined Enterprise Setup:** Simplify and automate Docker deployment across your organization with tools like the [MSI Installer](#), which enables fast and seamless setup on Windows. Additionally, admins can centrally manage permissions, configure settings, and control file-sharing options through a unified control point, reducing the need for manual adjustments on individual machines.
-  **Secure and Customizable Extensions:** The [private extensions marketplace](#) ensures secure and compliant development by allowing admins to curate a set of approved third-party extensions. This ensures your developers have easy access to secure extensions.
-  **Improved insights:** From [Builds View](#) to [inspecting GitHub Actions builds to Build Checks to Scout health scores](#), we're giving teams more visibility into their usage and insights to improve their development outcomes. We have additional Docker Desktop insights coming later this year.

By choosing Docker, you unlock cutting-edge tools, features, and innovations that enhance security, boost productivity, and accelerate development. With additions like Docker Scout and Docker Build Cloud, along with significant performance and security improvements, Docker ensures your team stays ahead in today's fast-paced software development landscape.

**Want to learn more? [Speak to your sales representative](#)**

