



Docker on Ubuntu 20.04 LTS

Reviews, tips, and advice from real users



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Contents

Product Recap..... 3 - 4

Valuable Features..... 5 - 8

Other Solutions Considered..... 9

ROI..... 10 - 11

Use Case..... 12 - 13

Customer Service and Support..... 14

Other Advice..... 15 - 18

About PeerSpot..... 19 - 20

Product Recap



Docker on Ubuntu 20.04 LTS

Docker on Ubuntu 20.04 LTS Recap

Docker on Ubuntu 20.04 LTS provides a robust platform to build, ship, and run applications using containerization technology. It enhances application deployment consistency and simplifies cloud scaling.

Running Docker on Ubuntu 20.04 LTS allows developers to leverage the stability and security of the Ubuntu LTS release while utilizing Docker's containerization capabilities. This combination supports efficient development practices, especially suitable for microservices architectures. With Docker, developers can package applications with all dependencies, ensuring that they run seamlessly in different environments. Ubuntu 20.04 LTS offers a great baseline for Docker with updated security patches and support for multiple years.

What features make Docker on Ubuntu 20.04 LTS valuable?

- **Containerization:** Isolation of applications for stability and security.
- **Portability:** Consistent operating across different platforms.
- **Efficiency:** Optimizes resource usage by deploying lightweight containers.
- **Continuous Deployment:** Automates and accelerates application updates.

What benefits should users look for in reviews?

- **Scalability:** Ease of expanding application services.
- **Security:** Frequent updates and patches enhance safety.
- **Cost-Effectiveness:** Reduces overhead associated with VM deployments.
- **Development Velocity:** Speeds up time-to-market for application features.

In industries such as finance and healthcare, Docker on Ubuntu 20.04 LTS is implemented to support critical workloads by ensuring secure and predictable deployments. E-commerce platforms benefit from its scalability, allowing for traffic management during peak seasons. Manufacturing sectors use it to streamline operations, integrating legacy systems with modern app ecosystems.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“Docker on Ubuntu 20.04 LTS has positively impacted my organization as it provides a good way to run our toolsets and applications.”



FilipGrasheski

Senior Manager - Platform Lead at a tech vendor with 10,001+ employees



“Docker provides comprehensive support for any deployment process, maintenance, or surveillance of any kind of project because it offers CLI and APIs, Docker Hub, and Docker Desktop client.”



Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech



“For us it is a small tool; it is not a big investment, so we are not tracking the ROI of the product directly, but I can tell you that it gives a lot of useful features and overall the ROI is worth it.”



Gur Sannikov

AI Leader at Nuvoton Technology Corp

What users had to say about valuable features:

“The best features Docker on Ubuntu 20.04 LTS offers are excellent for using official Docker repos.

“Docker on Ubuntu 20.04 LTS has positively impacted my organization as it provides a good way to run our toolsets and applications.

“The positive impact of Docker on Ubuntu 20.04 LTS definitely makes deployments easier and improves efficiency, which aligns with the main business case for the product..”

FilipGrasheski

Senior Manager - Platform Lead at a tech vendor with 10,001+ employees

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“Docker provides comprehensive support for any deployment process, maintenance, or surveillance of any kind of project because it offers CLI and APIs, Docker Hub, and Docker Desktop client. I upload my project and create an image, then I can directly deploy this image. It provides a full environment for a machine to deploy any kind of service, whether Java or Node.js projects. Surveillance is very easy through viewing logs, threads, and the running status and health of my service or project. The entire procedure is time-saving and seamless.

“Docker provides multiple kinds of support with well-detailed documentation and support available on Stack Overflow and Google. The support is seamless. If I am using Docker, I do not require any kind of support calls because all features and issues are publicly available on the internet. This provides a lot of resources to use and understand the service very well..”

Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech

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“First of all, since it is cross-OS, it is very easy for us to do small deployments on edge computers that are using Windows with Ubuntu, and then do the full production on Linux local servers. We use this frequently, and they have made a lot of progress lately with their cross-integrations and WSL integrations and Kubernetes.

“A second thing that we really appreciate is that it is very easy for people to understand because it reminds them of the Git workflow, so all the image management is so convenient that people feel they are working with Git. Here they are not managing code; they are managing images.

“Since we are doing a cross-compile, we want to decouple it and basically have a constant image for our environment. We are building OS inside OS, and we are using this feature. It allows us to create an independent cross-compile image that is basically decoupled from the host.

“For us it is a small tool; it is not a big investment, so we are not tracking the ROI of the product directly, but I can tell you that it gives a lot of useful features and overall the ROI is worth it. Especially, now they have this MCP integration and all management of all MCP servers is in this new feature, and it basically allows you to deploy MCP servers securely because each MCP server is running in a separate Docker. In combination with all those features, the ROI is good..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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Other Solutions Considered

“I am not sure of its competitors. I switched from working at Intel to a new company. At Intel, we had another solution; I don't remember the exact name, but it was more legacy, and everybody wanted to switch to Docker. It was something parallel to Docker, but eventually it was considered legacy..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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“I can compare Docker on Ubuntu 20.04 LTS directly with Kubernetes or any other deployment service provider. Kubernetes is a very good competitor of Docker. Both are very mature services, but Docker is lightweight while Kubernetes is very heavy to use and very expensive. Docker provides features that are very straightforward for deployment, image creation, image pulling, running, and logging. Kubernetes requires creating pods and pulling services, configuring them with the server, and installing components that require a heavy machine to handle Kubernetes itself. Docker is very lightweight and I can use it anywhere, including on small machines..”

Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech

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ROI

Real user quotes about their ROI:

“I cannot say I have seen a return on investment while using Docker on Ubuntu 20.04 LTS, as it is the usual use case for Docker and containerization, which is already a standard way of working..”

FilipGrasheski

Senior Manager - Platform Lead at a tech vendor with 10,001+ employees

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“Docker on Ubuntu 20.04 LTS provides absolute value for money. It saves a lot of time for a DevOps engineer and a simple developer. If a CI/CD pipeline is created by a DevOps engineer, a developer can directly use Docker and bring their service up in a couple of minutes. Without Docker, I would have to hire a DevOps engineer to deploy services. Docker makes the deployment process seamless and saves significant energy and time..”

Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech

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“For us it is a small tool; it is not a big investment, so we are not tracking the ROI of the product directly, but I can tell you that it gives a lot of useful features and overall the ROI is worth it. Especially, now they have this MCP integration and all management of all MCP servers is in this new feature, and it basically allows you to deploy MCP servers securely because each MCP server is running in a separate Docker. In combination with all those features, the ROI is good..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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Use Case

“For deploying projects, I can deploy multiple projects on Docker Hub which runs on Ubuntu machines or Linux servers. I can create images of Postgres database, Node.js projects, or Java projects, and deploy them directly from Docker via Docker YML file..”

Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech

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“We are working on two different deployments, one based on WSL, which is like Windows WSL, and the other one is Ubuntu. We have a local setup deployment that basically serves as a local AI inference agent based on NVIDIA GPUs, and we use Kubernetes with Docker..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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“My main use case for Docker on Ubuntu 20.04 LTS is to run Docker containers.

“A quick specific example of how I use Docker containers in my environment includes utilizing them for all kinds of applications, everything from Nginx to ForgeRock, and various tooling and monitoring solutions such as Prometheus and Grafana..”

FilipGrasheski

Senior Manager - Platform Lead at a tech vendor with 10,001+ employees

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Customer Service and Support

“I don't have something special to report, but I can tell you that it passed our internal CISO review. We are working with top secret data, and we have a Common Criteria regulation that we need to comply with. From a security specification standpoint, it was accepted..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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Other Advice

“We have a very high bar because we are developing a security product, so it is the highest bar that can be.

“Basically, we have here two types of environments. One environment is top secret data that cannot leave a special network that is only inside the organization; we cannot use any cloud provider for it, so all this setup is running locally. We have the same images from an infrastructure perspective that is handling other projects that do not have such secure data; their data is less secure. It is still secure, but it is at a level that allows us to use cloud. It is not external cloud; it can be [AWS](#) or [Azure](#), but still, it is allowed. The fact that we are using this hybrid environment means we are reusing the same infrastructure for different data type classifications.

“We never reached the point that we need to search in community forums for help. My overall rating for this product is 9 out of 10..”

Gur Sannikov

AI Leader at Nuvoton Technology Corp

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“I would rate Docker on Ubuntu 20.04 LTS a nine out of ten.

“I give it a nine because there is always room for improvement, so I would not give any product a perfect ten.

“Regarding Docker on Ubuntu 20.04 LTS's AI capabilities, I think its governance and security work quite well in terms of namespace isolation; the security is quite strong, but if you want something like image vulnerability scanning, it does not have anything built in, so you have to rely on third-party toolsets, and secret management is a bit of a downside.

“Docker on Ubuntu 20.04 LTS is pretty accurate regarding its AI capabilities and the accuracy and reliability of output.

“My advice to others looking into using Docker on Ubuntu 20.04 LTS is that if you are not using it, then try it. My overall review rating for Docker on Ubuntu 20.04 LTS is nine..”

FilipGrasheski

Senior Manager - Platform Lead at a tech vendor with 10,001+ employees

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“I can configure other kinds of services from [AWS](#), [Azure](#), and Google. I can directly connect a webhook to a system where [Ubuntu](#) is used with Docker on Ubuntu 20.04 LTS, and create CI/CD pipelines locally or on a server. I can push the code and automatically the webhook triggers, images are created, pulled, deployed, and running. Ubuntu has provided clear deployment processes since the early twenties. Everything is automated and I do not have to configure every time or update the environment variables. I only have to create deployment.yml files that directly pull my code, add the environment variables, and run automatic systematic commands. The image is built, the database is connected, and my service is up and running. The configuration of automatic CI/CD pipelines via Docker on Ubuntu 20.04 LTS in Ubuntu servers is very seamless.

“Regarding licensing, I have independently used Docker without needing any kind of license because a single developer can use Docker directly without requiring any licensing. However, in corporate deployment, Docker on Ubuntu 20.04 LTS does require a license, though I do not have much information about licensing for the organization level.

“In my organization's case, I purchased Ubuntu machines from marketplace providers such as Contabo or other service providers offering servers with Ubuntu operating systems. I installed software to make the deployment process seamless, including Docker on Ubuntu 20.04 LTS. I configured Docker, [NGINX](#), and local work time items within Docker itself. I can install [NGINX](#) in Docker and Node.js in Docker, create images of my project, and deploy them directly. Locally, I use Ubuntu as a primary machine because I want Linux commands. Ubuntu is a very good OS as it provides sudo commands and multiple other commands to directly view logs, bring up services, create images, and configure service networking. Ubuntu is a very terminal-friendly OS that directly supports Docker integration. I can directly install Docker on Ubuntu 20.04 LTS in the terminal and pull images from the local machine for any kind of service such as Microsoft or Ubuntu or Mac. I build my project and the service itself in Docker Hub, then I can go to Ubuntu and pull the images from the local machine and deploy them directly in Docker on Ubuntu 20.04 LTS.

“I provided a review rating of nine out of ten for Docker on Ubuntu 20.04 LTS..”

Vikash Kushwaha

Full-Stack Software Engineer at mindpathtech

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