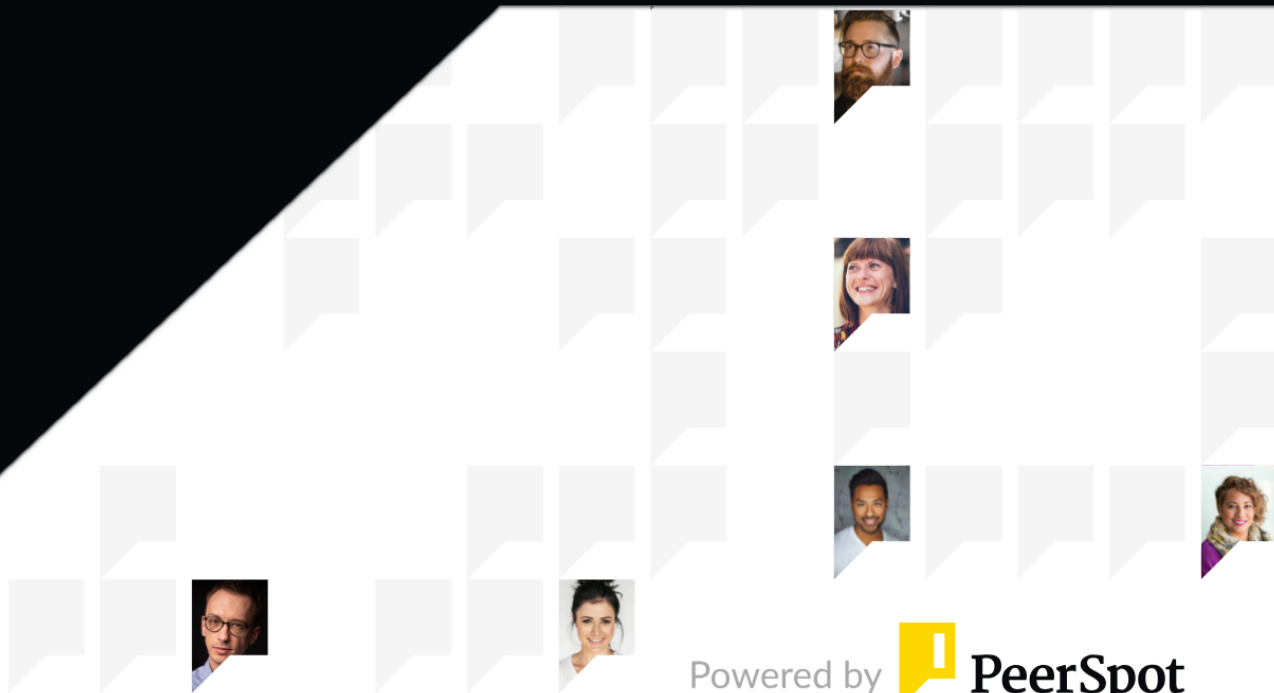




Jenkins on CentOS 10

Reviews, tips, and advice from real users



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Product Recap



Jenkins on CentOS 10

Jenkins on CentOS 10 Recap

Jenkins on CentOS 10 provides a robust continuous integration and continuous delivery platform, ideal for automating software builds and deployments with high efficiency and reliability.

With Jenkins on CentOS 10, developers enjoy a powerful and flexible platform that automates the software development process. It offers seamless integration with various tools and frameworks, making it suitable for managing complex projects. The stability of CentOS 10 as a host operating system ensures long-term support and security, crucial for enterprise environments. Jenkins facilitates fast feedback on code changes, enhancing team productivity and reducing errors in production environments.

What are the key features of Jenkins on CentOS 10?

- **Extensibility:** Supports numerous plugins that extend its capabilities to meet unique project needs.
- **Distributed Builds:** Speeds up the process by distributing build tasks across multiple nodes.
- **Pipeline as Code:** Enables writing pipelines in Groovy through a simple DSL, supporting continuous delivery.
- **Rich Ecosystem:** Compatible with a wide range of developer tools for integration and deployment.
- **Automated Testing:** Integrates testing frameworks to automatically verify build stability.

What benefits can users expect from Jenkins on CentOS 10?

- **Scalability:** Easily scales to accommodate larger teams and more complex projects.
- **Cost Savings:** Free and open-source, reducing licensing costs compared to proprietary software.
- **Efficiency:** Streamlines workflows, improving developer productivity and software quality.
- **Security:** Strong security features protect against vulnerabilities, safeguarding assets.
- **Community Support:** Strong community and documentation provide resources for troubleshooting and optimization.

In industries such as finance, healthcare, and technology, Jenkins on CentOS 10 is implemented to automate workflows, enhancing collaboration and ensuring reliability in high-stakes environments. Its integration capability allows businesses to continually innovate without compromising on security or performance, making it an ideal choice for projects where consistency and long-term support are priorities.

Valuable Features

Excerpts from real customer reviews on PeerSpot:



“Previously, a feature would take one month to reach from ideation to production deployment, but now we do that within a week.”



Arkajyoti Misra

Associate Director at Husk Power Systems



“Deployments are at least eighty to ninety percent faster using Jenkins on CentOS 10 compared to scripting your way and developing your own tools, so the time saved is enormous as well as all the cost that comes with it, which otherwise equals additional cost in engineering time spent.”



FilipGrasheski

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



“Jenkins on CentOS 10 has impacted us positively, mainly because of the open-source nature, and we can customize it to run parallel jobs to reduce the amount of time taken for deployments, reducing it by approximately 40%.”



Rafath Noor

Lead DevOps Engineer at a tech services company with 1-10 employees

What users had to say about valuable features:

“The best feature is the build capability, which we can optimize and customize. Customization of Jenkins on CentOS 10 is straightforward since it is open source, allowing us to easily build those components. Automations are available, and we can integrate it with Git. Docker integration is enabled, and the ecosystem is robust. Jenkins on CentOS 10 has multiple plugins available, so we can use and customize them based on security requirements. Parallel executions run effectively, and we can enable the runners and control them accordingly.

“For our needs, we customize Jenkins on CentOS 10 for our builds. When we need to customize it for our own build pipelines, we write our own code and use those solutions. Plugins and integrations are valuable, particularly Docker integration and observability and monitoring integrations, which are very helpful for us..”

Rafath Noor

Lead DevOps Engineer at a tech services company with 1-10 employees

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“The best features that Jenkins on CentOS 10 offers are that it is easy to install and configure. Jenkins has always been a tool that is easy to install and configure. Out of the box, you are able to run a lot of different CI/CD pipelines because the configuration part is also quite simple. It does specific things, but it does it very well.

“The difference for our team with Jenkins on CentOS 10 is that we do not really need to install it again and again. The fact that whenever we started doing this and started figuring things out, we can run Jenkins on Docker and test it out and do work on it helps our team a lot, especially since it comes with so many different plugins.

“The accuracy and reliability of output for Jenkins on CentOS 10's AI capabilities is pretty good. The AI agents are already trained with good data, so they explain errors in the console output very well and analyze errors in the pipeline, log filtering, and basic functionality that is very useful. It is smart and quite accurate, and I am pretty satisfied with what it has on offer..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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“The best features Jenkins on CentOS 10 offers include many plugins that you can get from the community, so it's highly adjustable to the environment, supports multi-branch pipelines, has an architecture of primary and secondary servers for scaling up Jenkins that works really well when you have larger teams using it, and also has many native integrations with Git, Bitbucket and so on, making it excellent overall.

The plugin ecosystem and scalability of Jenkins on CentOS 10 have specifically helped my team because it's really beneficial when you can use additional secondary servers, and it scales well because of that; I use dozens of plugins for authentication, building role-based access control in larger teams and so on, as well as a bunch of pipeline improvements.

The plugins related to the integrations in Jenkins on CentOS 10 are crucial because many of them allow integrations with different systems.

Jenkins on CentOS 10 has positively impacted my organization by allowing our teams to build and deploy applications really fast, and because it has been around for many years, it's easy to find people with good knowledge in Jenkins who can immediately start contributing to the team without having to learn some new tool.

Deployments are at least eighty to ninety percent faster using Jenkins on CentOS 10 compared to scripting your way and developing your own tools, so the time saved is enormous as well as all the cost that comes with it, which otherwise equals additional cost in engineering time spent..”

FilipGrasheski

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

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Other Solutions Considered

“We previously used GitHub Actions before switching to Jenkins on CentOS 10, and that solution was easier, but we switched because it became costly. Running a lot of different CI/CD pipelines and various test cases on GitHub Actions often exceeded the limited number of minutes per month, resulting in significant costs. Therefore, we found ourselves switching to Jenkins on CentOS 10..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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“Before choosing Jenkins on CentOS 10, we evaluated other options, including Azure DevOps, but setting that up was not easy and posed challenges. Additionally, Azure DevOps incurs costs. Therefore, Jenkins on CentOS 10 was the only other viable option we considered due to its open-source nature..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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ROI

Real user quotes about their ROI:

“Since we use Jenkins on CentOS 10 in a startup environment, it provided us with return on investment. We saved approximately 20% of the time we spent on manual deployments..”

Rafath Noor

Lead DevOps Engineer at a tech services company with 1-10 employees

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“I have seen a return on investment in terms of time saved and money saved because of the time saved for engineers, but I don't have any specific data that I would be able to share..”

FilipGrasheski

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

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“I have seen a return on investment with Jenkins on CentOS 10, as it has saved us and reduced our time to market. Previously, a feature would take one month to reach from ideation to production deployment, but now we do that within a week. We employ a lot of AI as well, and Jenkins on CentOS 10 integration supports that achievement, making it clear that time saved translates to money saved. We are now three times more productive with Jenkins on CentOS 10..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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Use Case

“I have been using Jenkins on CentOS 10 for approximately seven to eight years.

My main use case for Jenkins on CentOS 10 is to run CI/CD pipelines.

To run my pipelines using Jenkins on CentOS 10, we have different applications where the whole build, test, deploy phase is run through pipelines, as well as other configuration that are applied to the applications.

I haven't observed anything truly unique in how we interact with Jenkins on CentOS 10 as I've seen more or less the same use case in other companies..”

FilipGrasheski

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

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“Our main use case for Jenkins on CentOS 10 is to run our CI/CD pipelines, so whenever code gets checked in, Jenkins triggers the integration pipelines, the build pipelines, and PR reviews. Jenkins is also handling the deployment of those codes.

“Whenever a new feature is being developed by the developers, they check in code, for example in a PR branch, and create a pull request with Jenkins for our CI pipelines or deployments. The moment a pull request is created, Jenkins webhooks are called and they trigger a check of the PR, especially checking for code smells, the mergeability of the PR, and security vulnerabilities in the code. Once that runs and there is an approval comment on the PR that somebody merges, it triggers another build pipeline which builds the package with a Docker image. Once the image is available, the deployment pipeline gets triggered and called, and finally the application or the changes that are part of the feature get deployed. Once it deploys, there are also some post-deployment sanity scans that run on the application from Jenkins.

“Jenkins on CentOS 10 is deployed in our organization on the public cloud, specifically using Azure, where we deploy it on virtual machines..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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Other Advice

“My advice for others looking into using Jenkins on CentOS 10 is that it costs nothing, so give it a try; I'm pretty sure you will find it easy to use. I don't believe there are any improvements needed for Jenkins on CentOS 10 that we haven't discussed yet. .”

FilipGrasheski

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

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“I choose eight out of ten for Jenkins on CentOS 10 because it has significantly helped us reduce time to market, along with enhancing our CI/CD setup, addressing different requirements, and supporting continuous testing, along with continuous quality and code checks. However, there are still some limitations, particularly the resource-intensive nature of Jenkins on CentOS 10 and the complexity of the setup. If those two aspects improve, I think it could be a ten out of ten. I would advise others looking into using Jenkins on CentOS 10 that they should use it if they or their team have the capability or experience to use it. Jenkins on CentOS 10 natively is a bit complex to set up and maintain, but it provides a lot of useful returns on investment and is very cost-effective, so those skill sets are essential to make it work effectively..”

Arkajyoti Misra

Associate Director at Husk Power Systems

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“I would rate Jenkins on CentOS 10 overall as an eight on a scale of one to ten.

“From my perspective, Jenkins on CentOS 10 has both advantages and disadvantages. Based on that consideration, I chose an eight. There are areas for improvement regarding security, plugins, parallel executions, and monitoring. However, it maintains strong customizability with plugin availability and the pipeline as code function. It has valuable features that support its rating of eight.

“Regarding governance and security, we have significant control. Since we customize Jenkins on CentOS 10 on our own, we must take care of governance and security. We ensure that everything remains up to date and protect against outside vulnerabilities.

“Regarding accuracy, I would say more than 80% of the outputs are accurate, so we can rely on that.

“We deploy Jenkins on CentOS 10 in our organization using both public cloud and on-premise solutions. For our public cloud deployments, we use [Azure](#) and [AWS](#).

“I would recommend trying Jenkins on CentOS 10 before making a commitment, as it is open source. If you want a reliable solution, Jenkins on CentOS 10 will be very useful for your deployments..”

Rafath Noor

Lead DevOps Engineer at a tech services company with 1-10 employees

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