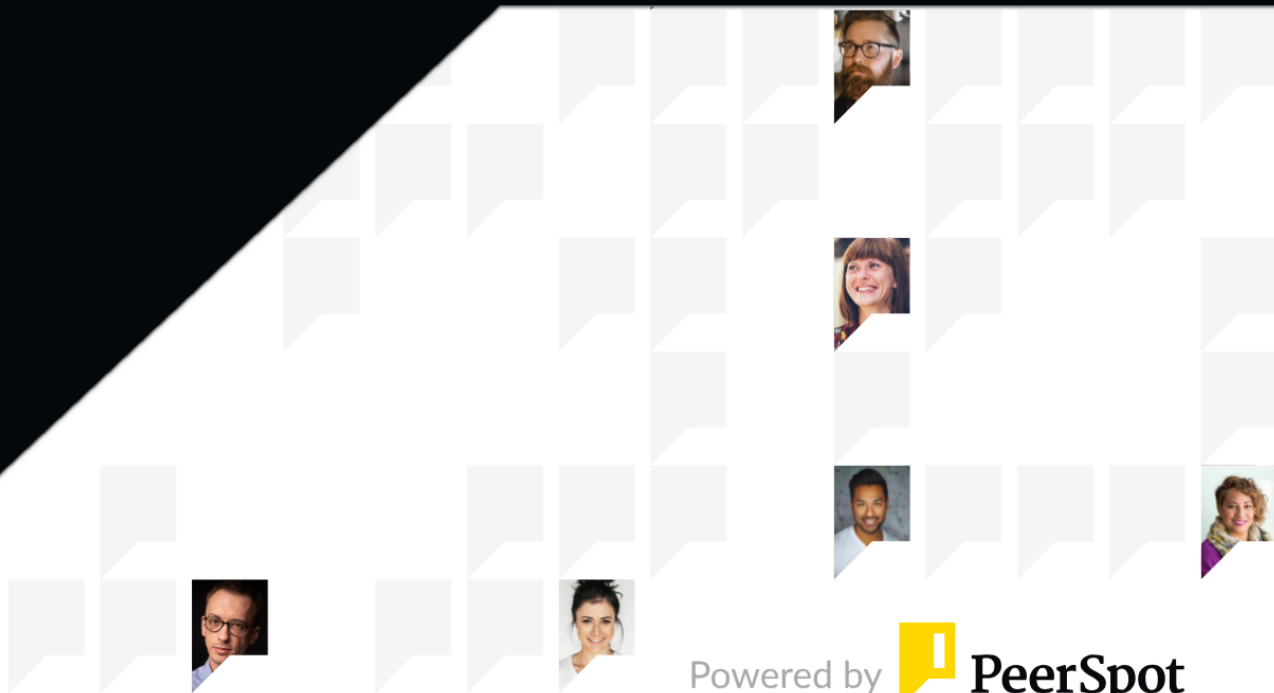




Jenkins on Hardened Ubuntu

Reviews, tips, and advice from real users



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Contents

Product Recap..... 3 - 4

Valuable Features..... 5 - 12

Other Solutions Considered..... 13

ROI..... 14

Use Case..... 15 - 19

Setup..... 20

Customer Service and Support..... 21 - 22

Other Advice..... 23 - 26

Trends..... 27 - 28

About PeerSpot..... 29 - 30

Product Recap



Jenkins on Hardened Ubuntu

Jenkins on Hardened Ubuntu Recap

Jenkins on Hardened Ubuntu is a powerful integration tool designed for secure continuous delivery and deployment. It offers enhanced security and performance for DevOps environments, making it ideal for teams focused on efficient, safe software development pipelines.

Jenkins on Hardened Ubuntu provides a robust platform for continuous integration and continuous deployment (CI/CD), tailored specifically for secure environments. It integrates security features with Jenkins to minimize vulnerabilities and streamline development processes. This combination enables consistent and efficient software builds, testing, and deployment cycles, ensuring software integrity and reducing risks associated with code delivery.

What are the key features of Jenkins on Hardened Ubuntu?

- **Security Hardening:** Enhanced measures ensure a fortified environment, protecting against threats.
- **CI/CD Integration:** Seamless integration for continuous integration and deployment.
- **Scalability:** Easily adaptable, supporting diverse team sizes and project scopes.
- **Resource Efficiency:** Optimized resource management for improved performance.
- **Open-source Flexibility:** Leverages community support and customizability.

What benefits should users consider when evaluating Jenkins on Hardened Ubuntu?

- **Enhanced Security:** Incorporates strict security protocols to ensure data protection.
- **Improved Efficiency:** Streamlined processes lead to faster delivery times.
- **Cost-effective Scalability:** Growth supported without significant additional costs.
- **Community Support:** Access to a vast knowledge base from an active user community.

In industries like finance, banking, or healthcare, where security is paramount, Jenkins on Hardened Ubuntu is frequently implemented to maintain robust and automated software development environments. This platform's security-oriented approach caters to sectors where data protection and compliance are critical, supporting development operations while protecting sensitive information.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

- ✓ “Jenkins on Hardened Ubuntu has extremely benefited our CI/CD pipelines; the whole of our build systems are completely running on Jenkins on Hardened Ubuntu and it is a day-to-day activity.”



Kasiraja Thangapandian

Software Engineering Manager at Visteon Corporation

- ✓ “We have set up a very critical infrastructure with both Jenkins and the Ubuntu hardening steps without any need for specific challenges.”



Oguzhan

Solutions Architect at Nsource Limited

- ✓ “I have seen a return on investment with Jenkins on Hardened Ubuntu as it saves on licensing costs, runs efficiently on various hardware, and long-term support releases reduce the frequency of major upgrades.”



Gudla Dineshkumar

Analyst 1 infrastructure Services at a tech vendor with 10,001+ employees

- ✓ “Jenkins on Hardened Ubuntu has positively impacted my organization by increasing deployment times, with the number of deployments increasing from around twenty a day to more than double that, and it was easier to retry on failure because if anything failed within the automated pipelines, it was easy to retry.”



Tuyo Adedolapo

Dev Ops Platform And Infrastructure Engineer at T&M Smart Solutions LTD

- ✓ “I have definitely noticed a reduction in incidents and time saved since switching to Jenkins on Hardened Ubuntu, which saves at least between ten to twenty hours in configuration time, translating to potential savings of hundreds or even thousands of dollars.”



Validated user

Cloud Ops Lead at a tech vendor with 10,001+ employees

- ✓ “Jenkins on Hardened Ubuntu is valuable for us from a continuous deployment perspective.”



Ritesh Purbey

Senior Analyst at ESRI INDIA



“Regarding Jenkins on Hardened Ubuntu's AI capabilities, I find its governance and security to be quite secure.”



Ria Gupta

Linux Engineer 2 at Applied Medical

What users had to say about valuable features:

“The best features Jenkins on Hardened Ubuntu offers include pipelines.

“What stands out to me about the pipelines feature is that there are multiple pipelines, and the flexibility is great. It is easy to use; we have timelines, we can see the logs, and everything functions well.

“Jenkins on Hardened Ubuntu has positively impacted my organization because it works fast and has helped us improve our CI/CD pipelines..”

Nirmit Dagli

Research Assistant at a university with 1,001-5,000 employees

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“The best features Jenkins on Hardened Ubuntu offers include its strong emphasis on security. It allows you to receive your security updates as quickly as possible, and that is the major thing.

“Besides the security and quick updates, I found that it was easier to run parallel jobs on Jenkins on Hardened Ubuntu. The way it handles parallel jobs is much smoother than what you would normally have. That stood out to me as a particularly valuable feature.

“Jenkins on Hardened Ubuntu has positively impacted my organization by increasing deployment times. The number of deployments that we had increased from around twenty deployments a day to more than double that. It was easier to retry on failure; if anything failed within the automated pipelines, it was easy to retry..”

Tuyo Adedolapo

Dev Ops Platform And Infrastructure Engineer at T&M Smart Solutions LTD

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“The best features Jenkins on Hardened Ubuntu offers include performance, where I can access the Jenkins on Hardened Ubuntu UI with no load time and no latency.

“Good performance and no latency positively impact my day-to-day work as the Jenkins on Hardened Ubuntu application can be accessed quickly.

“Additionally, we have security features in Jenkins on Hardened Ubuntu where I use the credentials feature to keep secure credentials or passwords instead of hardcoding them in the pipeline.

“Jenkins on Hardened Ubuntu positively impacts my organization by helping in automating the CI/CD workflows.

“With Jenkins on Hardened Ubuntu automating the CI/CD process, it eliminates issues encountered with manual deployment, saving time and reducing errors..”

Gudla Dineshkumar

Analyst 1 infrastructure Services at a tech vendor with 10,001+ employees

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“The best features Jenkins on Hardened Ubuntu offers are the ability to add specific steps. This is important for us and also important for the entire sector. When performing a CI/CD process, we sometimes need specific steps and specific tasks, such as running Ansible or performing checks beforehand that require specific access. Jenkins operates on our own infrastructure privately, which is more secure for us. When Jenkins finishes its job, we can securely upload to our image gallery, which is the best feature for us.

The use of Jenkins on Hardened Ubuntu impacts my team's efficiency positively because it is more reliable since other options block us at specific points. We need specific, unique image tags. In our infrastructure, which we have been managing for over seven years, we need specific requirements. We chose Jenkins because it is more flexible and more reliable for specific tasks. We can accomplish everything when we need unique tasks and are not blocked by tool-related problems.

Jenkins on Hardened Ubuntu has positively impacted my organization because we need to maintain current security in sensitive areas. We run our hardened Ubuntu process every week because new security issues emerge weekly. We must check for vulnerabilities and harden our Ubuntu images because all our products use Ubuntu. The most important point for us is keeping our Ubuntu images up-to-date and hardened at all times. Additionally, this hardening process must be an automatic process, which Jenkins provides for us..”

Oguzhan

Solutions Architect at Nsource Limited

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“Jenkins on Hardened Ubuntu is valuable for us from a continuous deployment perspective. We have created a job that allows end-users to start and stop AWS or Azure machines without requiring access to the portal. We give Jenkins access to them, and they can manage their tasks as needed.

“We have some jobs to copy files and perform other automated actions on Jenkins. Users can build the job, and their tasks are completed.

“Jenkins on Hardened Ubuntu provides privileges to a few users, such as the infrastructure team, who have administrator roles, while others have access only to particular jobs with the appropriate ACL privileges.

“We have integrated Jenkins on Hardened Ubuntu with our Active Directory to measure security effectiveness..”

Ritesh Purbey

Senior Analyst at ESRI INDIA

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“The best features Jenkins on Hardened Ubuntu offers are primarily centered around the security aspect of it, including a security baseline, the ability to set it up as a reverse proxy, and ensuring that it does not allow access to the internet or any other unwanted networks in the company.

“The security baseline and reverse proxy setup of Jenkins on Hardened Ubuntu has helped my team by offering a reduced attack surface, meaning we can remove or disable any unnecessary packages. The agents are exposed only to the environments they need access to. Jenkins on Hardened Ubuntu node is built in the same hardened image. Troubleshooting is easier thanks to a more predictable OS behavior compared to a Jenkins server running on a regular server with access by different teams, and we have a better compliance posture.

“Jenkins on Hardened Ubuntu really helped me out in a specific deployment scenario by having a lot of different plugins and being a tool that has been around for a very long time. For continuous integration pipelines, it can be used in a number of different ways, whether it is deploying Kubernetes containers or deploying C# code in Azure Functions, as it can handle pretty much anything thanks to the number of extensions and the community around it..”

FilipGrasheski

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

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Other Solutions Considered

“The only other option I evaluated before choosing Jenkins on Hardened Ubuntu was just using a base Ubuntu OS rather than a secured version from the Amazon Marketplace..”

Validated user

Cloud Ops Lead at a tech vendor with 10,001+ employees

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“I did not evaluate other options before choosing Jenkins on Hardened Ubuntu because I have experience with both Jenkins and Ubuntu. We chose it directly based on our own experience without needing to reinvent the wheel..”

Oguzhan

Solutions Architect at Nsource Limited

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ROI

Real user quotes about their ROI:

“I have definitely noticed a reduction in incidents and time saved since switching to Jenkins on Hardened Ubuntu, which saves at least between ten to twenty hours in configuration time, translating to potential savings of hundreds or even thousands of dollars.

From a time saved perspective, this solution saves at least between ten to twenty hours, but likely more, and it could prevent potential losses of tens or hundreds of thousands if it stops a security incident..”

Validated user

Cloud Ops Lead at a tech vendor with 10,001+ employees

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“I have seen a return on investment with Jenkins on Hardened Ubuntu as it saves on licensing costs, runs efficiently on various hardware, and long-term support releases reduce the frequency of major upgrades. Automation tools help reduce administration efforts, and using cloud images enables fast provisioning, while standardized deployments decrease configuration time. In addition, large software repositories simplify application installations and long-term support releases provide a stable platform, thereby lowering maintenance effort. This results in reduced operational costs through lower licensing expenses..”

Gudla Dineshkumar

Analyst 1 infrastructure Services at a tech vendor with 10,001+ employees

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Use Case

“My main use case for Jenkins on Hardened Ubuntu is building pipelines for CI/CD and making sure that it has the proper security where the product that we deploy demands it..”

FilipGrasheski

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

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“We use Jenkins on Hardened Ubuntu within the company and do not recommend it to customers. I am currently using Jenkins on Hardened Ubuntu mainly to avoid giving users access over the cloud portal..”

Ritesh Purbey

Senior Analyst at ESRI INDIA

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“My main use case for Jenkins on Hardened Ubuntu is to run CI/CD pipelines.

“A quick specific example of how I use Jenkins on Hardened Ubuntu for my CI/CD pipelines includes having Jenkins pods installed on Hardened Ubuntu, and when we run our deployment, it runs through Jenkins with test cases to deploy on Ubuntu..”

Nirmit Dagli

Research Assistant at a university with 1,001-5,000 employees

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“My main use case for Jenkins on Hardened Ubuntu is to manage the CI/CD pipeline of my application where it will automate the complete CI and CD deployment.

“A specific example of how I use Jenkins on Hardened Ubuntu for my CI/CD pipeline is with an application where it needs some integration that we need to build the application using Docker and we need to deploy the same application onto the Kubernetes cluster. We have some Docker containers which are running with Jenkins on Hardened Ubuntu installed, and we have mounted that volume to the local Ubuntu server. If something happens to the container, there will be no issue with the data loss as we can recreate the container and attach the same volume to the container which has Jenkins on Hardened Ubuntu, ensuring no data loss. Once Jenkins on Hardened Ubuntu is installed on the container, I access it through the UI and manage the complete pipeline, which includes all stages, such as getting the code from the GitHub repository. We use Maven as my application is Java-based, allowing us to build the code and perform unit tests. Once we have the Maven artifact ready, we use the same WAR file to create an image using Docker. After creating the Docker image, we push it to the ECR repository on the AWS container registry. Once we have the container image available, it is pushed to the Kubernetes cluster using Argo CD deployment, and the same image runs on the Kubernetes clusters..”

Gudla Dineshkumar

[Read full review](#) 

Analyst 1 infrastructure Services at a tech vendor with 10,001+ employees

“Jenkins on Hardened Ubuntu is utilized for CI/CD processing, and we manage more than 50 different projects. Each project requires different pipeline procedures and different requirements. We organize our product project pipeline process in Jenkins for web applications, mobile applications, and security checks and testing procedures. We manage our whole infrastructure, continuous integration, and delivery process in Jenkins.

We need Ubuntu hardened images most of the time because we chose Ubuntu. The same process and procedure could be applied regardless of the distribution chosen. Our hardened Ubuntu step operates in AWS. In our images, we need to maintain current security at the kernel and app level. We also require fast opening time and fast build time. If we do not use a package, we do not include it. We run hardening steps every time as an automatic build process. We use Jenkins in the Ubuntu hardening process, which is very important for us. For example, we run Ubuntu hardening images automatically every week. Our pipeline downloads the latest Ubuntu image and runs required tools, then executes hardened steps with Ansible. We use Ansible for the hardening steps. When the tasks are finished, we verify that everything is functioning correctly. Then we upload the AMI to our library for use in new deployments.

Regarding governance and security for Jenkins on Hardened Ubuntu, I can share details about the Ubuntu hardening side. Requirements sometimes change, and we can close every unnecessary tool and service. In the security steps, we can close their ports, use bastion hosts, or if using the cloud, allow access to the server in different ways. For Jenkins, we can block root access. We can also use RBAC..”

Oguzhan

Solutions Architect at Nsource Limited

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“My main use case for Jenkins on Hardened Ubuntu is to build out some of our hardened Docker images used by the different product teams. For that contract, I worked as a platform engineer and essentially what we did was standardize the entire process by which teams or the product teams can leverage images and use it as a base image to build out their own application image to ensure that it is as secure as possible and is also fitted with all the things that are required for the application to run within our client's environments, which includes things like proxy, specific tools that the application might require, and different languages. I mostly also use it to create smoke tests for our re-roll process.

“Jenkins on Hardened Ubuntu helped me manage and automate those image builds by allowing us to set up a process to build out our hardened images used by our Elastic Container Service on AWS. In fact, towards the end of when I joined that program, we were having to migrate from that Jenkins environment to Harness, but while we were still working on Jenkins, we had set up a process where we built out our hardened images that get security updates every week. We try to rebuild them once a week and push out that image to all our Elastic Container instances across the different production. There was a process that Jenkins helped us handle, which we call the re-roll process, which essentially just rotates the images, updating the Amazon Machine Images behind the Elastic Container Service instances. We update those images and then try to restart the different product teams' clusters with those updated images to ensure that we have the latest security patch. Jenkins being on a hardened image itself allowed us to safely push out our own hardened images for our Elastic Container service automatically, and teams could easily be assured that whatever gets rolled out at the start of a new week contains the latest security updates and patches that get fixed almost immediately..”

Tuyo Adedolapo

Dev Ops Platform And Infrastructure Engineer at T&M Smart Solutions LTD

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Setup

The setup process involves configuring and preparing the product or service for use, which may include tasks such as installation, account creation, initial configuration, and troubleshooting any issues that may arise. Below you can find real user quotes about the setup process.

“I chose nine out of ten because it is very good for what it aims to do; it could be a little bit cheaper, but that is a minor thing, and I think it is reasonably priced..”

Validated user

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Cloud Ops Lead at a tech vendor with 10,001+ employees

Customer Service and Support

“Customer support for Jenkins on Hardened Ubuntu is not needed as we are using community versions. We find experiences on community sites, which is acceptable for us..”

Oguzhan

Solutions Architect at Nsource Limited

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“The customer support is part of AWS and Amazon support in general, which is always very good, with different tiers available offering quick response times and dedicated account managers for the highest tier..”

Validated user

Cloud Ops Lead at a tech vendor with 10,001+ employees

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“Customer support for Jenkins on Hardened Ubuntu is accessed through AWS support if issues arise with the server or EC2 instances, and my experience with them has been positive as they provide solutions when needed..”

Gudla Dineshkumar

[Read full review](#) 

Analyst 1 infrastructure Services at a tech vendor with 10,001+ employees

Other Advice

“My advice to others looking into using Jenkins on Hardened Ubuntu is that if you really have to use it, it is a good option to give it a try. I would rate this product a 7..”

FilipGrasheski

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

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“Jenkins on Hardened Ubuntu is a very good feature, supplying us with a continuous integration and continuous deployment process, allowing us to easily deploy frequent changes and test our features, so it is very helpful for us. There is nothing else about Jenkins on Hardened Ubuntu's features that I think is worth mentioning..”

PiyushTripathi

Senior Software Engineer at a consultancy with 10,001+ employees

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“The advice I would give to others looking into using Jenkins on Hardened Ubuntu is that configuration is easy in Jenkins, and it has extendibility and flexibility. On the hardened Ubuntu side, the community is very powerful and can provide very good hardening solutions. I chose the rating of ten for Jenkins on Hardened Ubuntu because I am still using Jenkins after seven years, and the hardened Ubuntu part includes our critical steps. Both Jenkins and Ubuntu fix our very major, critical problems. We have set up a very critical infrastructure with both Jenkins and the Ubuntu hardening steps without any need for specific challenges. We are satisfied working with Jenkins and Ubuntu..”

Oguzhan

Solutions Architect at Nsource Limited

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“I do not want to add anything about the features regarding integration or security.

“Regarding Jenkins on Hardened Ubuntu's AI capabilities, I do not know about its governance and security.

“Regarding Jenkins on Hardened Ubuntu's AI capabilities, I do not know about its accuracy and reliability of output.

“I give this product a rating of 10..”

Nirmit Dagli

Research Assistant at a university with 1,001-5,000 employees

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“We have Jenkins plugins and other things for Jenkins on Hardened Ubuntu. There are many security-related plugins that need to be maintained, so some additional

features could enhance Jenkins on Hardened Ubuntu's usability.

“Jenkins on Hardened Ubuntu is easy to use. Since it is open source, it was highly recommended a decade ago and many organizations used it, but times have changed, and now everyone is shifting to other tools.

“We are upgrading Jenkins on Hardened Ubuntu regularly. When a patch update comes, we apply it simultaneously with any available Jenkins updates, which helps us plan accordingly.

“I rated this product eight out of ten..”

Ritesh Purbey

Senior Analyst at ESRI INDIA

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“I do not have specific numbers or metrics on time saved, error reduction, or other improvements that I noticed after adopting Jenkins on Hardened Ubuntu..”

I do not have any feedback on how Jenkins on Hardened Ubuntu can be improved right now.

I have not worked with the AI capabilities of Jenkins on Hardened Ubuntu.

“I do not know if we purchased Jenkins on Hardened Ubuntu through the [AWS Marketplace](#).

“My advice for others looking into using Jenkins on Hardened Ubuntu is to consider if it meets their project requirements and cost requirements. If it does, then obviously go for it, as it offers all the capabilities needed to have a secure platform to run automated pipelines, CI/CD pipelines, and other related tools.

“I do not have any additional thoughts about Jenkins on Hardened Ubuntu before we wrap up.

“I would rate this product a seven out of ten..”

Tuyo Adedolapo

Dev Ops Platform And Infrastructure Engineer at T&M Smart Solutions LTD

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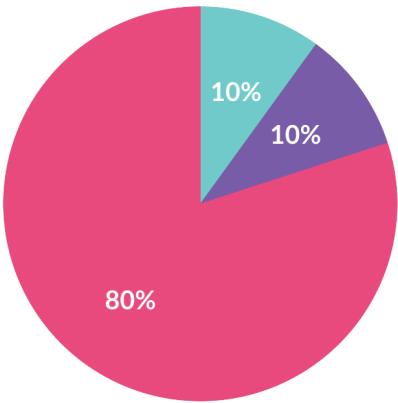
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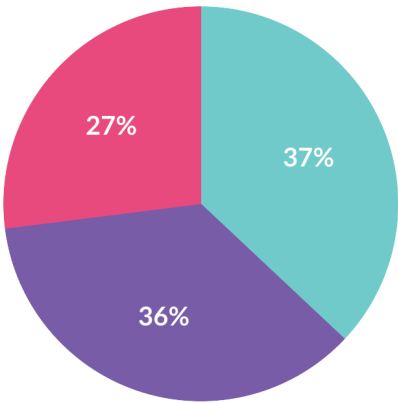


Company Size

by reviewers



by visitors reading reviews



Large Enterprise Midsize Enterprise Small Business

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