aws marketplace

Ansible on CentOS 10

Reviews, tips, and advice from real users








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Product Recap

Ansible on CentOS 10

Ansible on CentOS 10 Recap

Ansible on CentOS 10 streamlines IT automation by providing a comprehensive toolset for managing infrastructure. Its efficient architecture is suited for those seeking a robust, scalable automation solution.

Ansible on CentOS 10 serves as a powerful automation engine, allowing users to facilitate application deployment, configuration management, and task automation. It employs a simple, yet robust command-line interface, requiring no agents on remote machines, thus reducing overheads. Users appreciate its versatility in managing networks, servers, and applications, with its YAML-based playbooks contributing to its popularity due to their human-readable syntax. Its integration capabilities with numerous third-party systems make it adaptable to diverse IT environments.

What are its most important features?

- Agentless Architecture: Eliminates the need for installing agents, simplifying maintenance tasks.
- YAML Playbooks: Provides a human-readable coding style for creating automation tasks.
- Integration Capabilities: Easily interfaces with other systems and platforms, enhancing flexibility.
- Scalability: Supports managing thousands of machines simultaneously, ideal for large environments.

What benefits and ROI should users look for in reviews?

- Cost Efficiency: Reduces manual intervention, leading to significant time and cost savings.
- Improved Productivity: Automates repetitive tasks, freeing up resources for strategic activities.
- Flexibility: Adapts to different automation needs without requiring significant reengineering.
- Reliability: Consistent, repeatable processes that enhance system stability and uptime.

Industries using Ansible on CentOS 10 often leverage its automation capabilities to improve deployment frequencies and minimize downtime. Financial services utilize it for rapid deployment of secure applications, while manufacturing benefits from its ability to integrate IT operations with industrial systems, enhancing overall operational efficiency.

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Valuable Features

Excerpts from real customer reviews on PeerSpot:

- “Agentless automation and playbooks stand out for me because they enable me to manage remote servers over SSH without requiring an Ansible agent on each machine.”



Rahul Kakarla

Senior Software Engineer at J.B. Hunt Transport Services, Inc.

- “Automating routine provisioning tasks helps us save approximately 30 to 50 percent of the setup time, depending on the server and its configuration requirements.”



Vasu Bhaskar

Senior Manager, Engineering at Target

- “Ansible on CentOS 10 is a very powerful product for deploying configurations, product installations, or actions on different machines at the same time, and Ansible Tower complements it by adding the ability to create sequential action flows via Ansible on CentOS 10.”



Mehdi Elfi

SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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"The self-sufficient built-in modules are extremely beneficial."



Amol Dighe

Lead Site Reliability Engineering at Media Solutions

"Patching used to be an entire weekend activity before, and now it takes less than an hour to complete."



Arkajyoti Misra

Associate Director at Husk Power Systems

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What users had to say about valuable features:

"One of the best features Ansible on CentOS 10 offers is dynamic inventory, and I particularly appreciate that Ansible is an agentless system. It operates over SSH, so I can include a server in one of the host inventory files and deploy it without needing pre-installed agents, whether in data center or cloud environments. Additionally, it is idempotent, meaning it only applies changes when necessary, saving CPU resources, and the templating and roles are excellent features I have used quite often in deployments.

"I think the most important feature I use often is the module library in Ansible on CentOS 10, which has a very rich module library that has helped me significantly. I have not built any custom modules, but I frequently utilize roles for deploying sets of packages such as web servers, allowing minimized repetition when deploying across different environments.

"The self-sufficient built-in modules are extremely beneficial. One of the latest use cases for Ansible was setting up base infrastructure on my Proxmox base servers using the module library, providing an excellent experience for both virtualized and physical servers.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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"Ansible on CentOS 10 makes automating infrastructure very easy. Ansible has been around for a long time, making it a very stable product that is widely known. It is open source, so there is not a lot of cost associated with it.

"Any complicated configuration can be easily done, especially those with SSH. The fact that it is agentless means you do not need to install any software or daemons on the managed nodes, which is a major reason we use Ansible on CentOS 10.

"I rely on all of these features, though this server patching is not something we do every day. It happens whenever there is a major patch or update that needs to be installed.

"The major features most important for us are the declarative syntax, which makes it very easy to define the ideal system state we want, and the agentless architecture. Ansible on CentOS 10 handles achieving that state on its own. These two features are the standout features for us.."

Arkajyoti Misra
Associate Director at Husk Power Systems

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"The best features Ansible on CentOS 10 offers are its agentless architecture and idempotent execution.

"Another useful feature is Ansible check mode and diff mode, which helps us preview proposed changes before applying them. The user-friendly interface is very useful, and playbooks are helpful in my organization because I find them particularly useful for installing packages, managing systems and services, and applying security updates overall.

"Anisble on CentOS 10 has solid security capabilities through role-based access controls when used with Ansible Automation Platform, SSH-based authentication, and Ansible Vault for protecting sensitive information.

"Anisble on CentOS 10 works well with our AWS environment, particularly for automating configuration across EC2 instances.."

Vasu Bhaskar
Senior Manager, Engineering at Target

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The best features that this tool offers me include Infrastructure as Code as the first, environment stability through controlled configurations which allows me to have identical (ISO) environments as the second, and the ability to very quickly deploy the same configurations on 1, 10, or 100 machines as the third, which is very useful for saving time.

Infrastructure as Code with this tool has changed the way my team works by allowing us to have a sort of pseudo documentation in the code. Thanks to the code that is in Ansible on CentOS 10 in Git, it allows us to quickly understand and have a standard structure thanks to Ansible Galaxy. Even if a new team member joins our team, they are not lost thanks to the standard structure from Ansible Galaxy.

“The positive impact this tool has had on my organization is that when there are bugs in an environment, it is very easy to reproduce the bug in a test environment because the configuration is the same. This has been a huge time saver to have identical (ISO) configurations between environments and thus to have the same behaviors and to reproduce bugs and to understand and debug them. .”

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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"One of the best features Ansible on CentOS 10 offers is agentless automation. I particularly appreciate playbooks, which is one of my favorite features, along with configuration management and reusable roles.

"Agentless automation and playbooks stand out for me because they enable me to manage remote servers over SSH without requiring an Ansible agent on each machine. Playbooks use simple YAML files to automate tasks such as installing packages, configuring JINX, and managing services seamlessly.

"The error handling and reporting in Ansible on CentOS 10 help identify failed tasks and troubleshoot deployment issues more easily.

"Ansible on CentOS 10 has strong security capabilities for infrastructure automation, including SSH-based access, privilege escalation controls, and Ansible Vault for encrypting sensitive data, which I believe is excellent for AI-assisted automation.

"Ansible on CentOS 10 integrates well with AWS services, particularly EC2 for server provisioning and configuration.."

Rahul Kakarla
Senior Software Engineer at J.B. Hunt Transport Services, Inc.

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Other Solutions Considered

Before choosing Ansible on CentOS 10, I did not evaluate other similar solutions, as it was my experience with previous products that led us to use Ansible on CentOS 10.

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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"Before choosing Ansible on CentOS 10, I evaluated other options, primarily Puppet and Ansible, and while I have experimented with Nix, it is limited to NixOS and not applicable to CentOS, making Ansible the clear first choice during my transition from Puppet.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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"Before choosing Ansible on CentOS 10, we considered Terraform, but it does not provide the same functionality that Ansible on CentOS 10 does, so we see completely different use cases.."

Arkajyoti Misra
Associate Director at Husk Power Systems

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"I had used Puppet before switching to Ansible on CentOS 10, finding Puppet's agent-based system cumbersome due to the necessity for agent deployment, synchronization, and requiring a Puppet server, whereas Ansible allows straightforward deployment without needing a dedicated server.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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I did use another solution before, specifically Puppet, Salt, and Chef, and I find that the most straightforward one for configuration, speed, and everything is Ansible on CentOS 10.

What led me to choose Ansible on CentOS 10 over Salt, Puppet, or Chef is its ease of installation, its fast compatibility with the SSH protocol, its simplicity in setting up and creating playbooks, the standardization of structures via Ansible Galaxy, and the fast integration if I purchase Red Hat's Ansible Tower. ."

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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ROI

Real user quotes about their ROI:

"I definitely see a good return on investment with Ansible on CentOS 10, as it saves substantial time during deployments with minimal setup costs thanks to its agentless nature, only requiring Python and SSH for server connections.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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"I have seen a return on investment as the main return has been time saved through automation. Automating routine server setup and configuration has reduced the time required by approximately 30 to 50 percent depending on the task. It also reduced repetitive manual work and helps prevent configuration errors.."

Vasu Bhaskar
Senior Manager, Engineering at Target

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"I have seen a return on investment mainly through time savings and reduced manual configuration errors. For example, automating server setup reduced the estimated time per server from approximately 30 minutes to 5 to 10 minutes, saving approximately 60 to 80 percent of setup time.."

Rahul Kakarla
Senior Software Engineer at J.B. Hunt Transport Services, Inc.

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"I have definitely seen a return on investment. As I mentioned before, it has saved a lot of time.

"IT-side activities, especially patching servers or installing applications, used to take a lot of time, possibly an entire weekend. Now, we can schedule these tasks and leave them to run without spending significant time on them.."

Arkajyoti Misra
Associate Director at Husk Power Systems

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I have seen a return on investment with this tool. For the debugging part, when we have identical (ISO) behaviors, it is easy to reproduce a production behavior in a test environment, leading to time savings. Infrastructure as Code allows us to have good documentation of behaviors and operations, so documentation on SharePoint or Confluence is much smaller, which is another time saving aspect. Installing a product or a patch or anything via Ansible on CentOS 10 allows us to install it on 1, 10, 20, 100 machines, and the more machines we have, the more time we save.

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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Use Case

“My main use case for Ansible on CentOS 10 is automating the platform, managing applications, and deployment, mostly on the infrastructure side of things.

“For example, we have multiple servers that we want to patch. Traditionally, we would log into each server and patch each one individually.

“Through Ansible on CentOS 10, we can execute a single command that automatically patches all server groups..”

Arkajyoti Misra
Associate Director at Husk Power Systems

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My primary use for Ansible on CentOS 10 is to prioritize product testing, and thanks to Ansible on CentOS 10, I can automate deployments on multiple CentOS and Red Hat machines.

A concrete example of automation I have carried out with this tool is performing upgrades of different products on different environments, which allowed us to have the same configuration on all environments thanks to Ansible on CentOS 10, while minimizing the impact of human error on the configurations.

“Ansible on CentOS 10 is a very powerful product for deploying configurations, product installations, or actions on different machines at the same time, and Ansible Tower complements it by adding the ability to create sequential action flows via Ansible on CentOS 10. .”

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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"My main use case for Ansible on CentOS 10 is automating server configuration, software installation, and routine system administration. I use Ansible playbooks to install and configure JINX, manage firewall rules, create user accounts, and ensure consistent settings across multiple CentOS 10 servers. This has been very helpful in reducing manual work, minimizing configuration errors, and making server deployment faster and more repeatable.

"I typically use Ansible playbooks to automate server setup and configuration across CentOS 10 environments. My workflow involves defining the required settings in YAML and organizing tasks into reusable roles, storing the playbooks in GIT, and testing changes in a staging server before applying them to production.

"Another significant benefit is that Ansible makes server management more repeatable and easier to scale. This workflow saves me time, reduces configuration drift, and makes troubleshooting and server maintenance more efficient.."

Rahul Kakarla
Senior Software Engineer at J.B. Hunt Transport Services, Inc.

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"My main use case for Ansible on CentOS 10 is automating server configuration and routine system administration. A quick example of how I use Ansible playbooks involves installing required packages, configuring services, managing user permissions, and ensuring that multiple CentOS 10 servers maintain consistent settings. This has reduced repetitive manual work, minimized configuration errors, and made server provisioning easier to repeat across environments.

"Automating server provisioning with Ansible on CentOS 10 has changed our workflow by making it more predictable and less time-consuming. Instead of configuring each CentOS server manually, we use playbooks to handle package installation, user permissions, service configuration, and routine setup tasks. This has greatly reduced configuration differences between servers and makes it easier to bring new environments online.

"Automation has freed up time for troubleshooting and development rather than repetitive administration. The biggest benefit is that we can now repeat deployment with more confidence and maintain consistency as the environment grows.."

Vasu Bhaskar
Senior Manager, Engineering at Target

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"The main use case for Ansible on CentOS 10 is configuration management, as I have a fleet of servers, including web servers, backend Python servers, and Node.js servers, all configured using Ansible.

"I have used Ansible for configuration management on various front-end servers and back-end servers, specifically for one SaaS product that we were building, an email-related product with a frontend in Node.js, a couple of Java back-end servers, an Elasticsearch cluster for metric data, and a monitoring layer using Prometheus and Grafana. All these servers were managed with Ansible for configuration management using dynamic inventory, with a staging setup of four or five servers and a production environment with 12 to 14 servers, as well as a smaller deployment on DigitalOcean with six servers.

"I used roles in Ansible on CentOS 10, which helped me significantly by allowing me to carve out roles assigned to subsets of servers with similar use cases, along with templates such as Jinja for dynamically updating configurations on those servers. This approach improved my efficiency with Ansible in configuration management.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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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.

"Deploying Ansible on CentOS 10 in our AWS environment was very easy.

"I would describe my experience with the configuration process as straightforward. We never ran into any issues, and it was fairly smooth through every setup step.."

Vasu Bhaskar

Senior Manager, Engineering at Target

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"Deploying Ansible on CentOS 10 was relatively straightforward. The main tasks involved installing Ansible, configuring SSH access to managed servers, defining an inventory, and creating basic playbooks.

"The configuration process was relatively straightforward. I configured the inventory file to identify managed CentOS 10 servers, set up SSH key-based authentication, and organized automation tasks into reusable YAML playbooks and roles.."

Rahul Kakarla

Senior Software Engineer at J.B. Hunt Transport Services, Inc.

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Customer Service and Support

I rate the customer support for Ansible on CentOS 10 by saying that I have never needed to contact support as I go on Stack Overflow and I look into Ansible on CentOS 10's own documentation, finding it really powerful and extraordinary.

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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"I have not used customer support for Ansible on CentOS 10, but I believe it is good based on the resources available. I have resolved many issues through online blogs and community support instead of needing direct assistance.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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"Customer support has always been helpful, very responsive, and proactive overall. My experience has been very promising and positive.

"I would rate customer support an eight on a scale of one to ten.."

Vasu Bhaskar
Senior Manager, Engineering at Target

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Other Advice

"On a scale of one to five, I would rate Ansible on CentOS 10 a four out of five. I chose a four because it provides powerful automation, consistent configuration management, and reusable playbooks that reduce manual work. I did not give it a perfect score because of two or three minor improvements needed, such as clearer error messages, faster execution across larger server environments, and improved integration with monitoring systems. My experience has been very positive. Ansible on CentOS 10 is particularly valuable for teams managing multiple servers because it improves consistency, reduces manual effort, and makes infrastructure easier to maintain.."

Rahul Kakarla
Senior Software Engineer at J.B. Hunt Transport Services, Inc.

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My advice to others considering using Ansible on CentOS 10 is to first create a standard and put an initial setup in place, meaning to agree on the sudoers part and to properly secure the SSH part. Then create a standard for the structure of files and folders. I also advise creating a kind of reference bible so that everyone is on the same wavelength when they develop.

I would suggest an improvement for interview processes to allow more response time because when there is a pause in the conversation for a few seconds, it feels as if moving to the next question occurs, so being more patient before moving to the next question would be beneficial.

“I rate this product an 8 out of 10. .”

Mehdi Elfi
SysAdmin IBM/SoftwareAG Middleware techlead AI expert

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“I rate Ansible on CentOS 10 a perfect ten out of ten because it performs the job that it needs to do.

“I give it a ten because it is easy to work with and manage, especially because it is agentless and has a declarative syntax. You can ensure that a playbook can run multiple times with the same system state. Ansible on CentOS 10 does the job that we need it to do and is open source at a cost-effective rate, which gives it a ten out of ten.

“My advice to others looking into using Ansible on CentOS 10 is that if your use case involves IT asset management, server management, infrastructure management, application management, or installing applications at scale, Ansible on CentOS 10 is the product for you. It can simplify these processes and save you a lot of money and time..”

Arkajyoti Misra
Associate Director at Husk Power Systems

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"I would rate Ansible on CentOS 10 a four out of five.

"I rate it a four out of five because it provides reliable automation, consistent server configuration, and significant time savings, while debugging complex playbooks and managing environment-specific dependencies can be frustrating. Ansible on CentOS 10 is reliable for traditional automation, but its accuracy depends on how the playbooks are written and tested.

"For advice to others looking into using Ansible on CentOS 10, I would recommend starting with a few simple playbooks for tasks such as package installation, service configuration, and security updates before automating more complex workflows. It is essential to test changes in a staging environment first, keep credentials protected with Ansible Vault, and organize reusable tasks into roles as your setup grows.."

Vasu Bhaskar
Senior Manager, Engineering at Target

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"I would rate Ansible on CentOS 10 a nine out of ten, as there is always room for improvement.

"I rate it a nine because Ansible is a full-fledged configuration management tool, but I take off one point specifically for the need for larger integration, as existing metrics related to deployment times could be beneficial in increasing efficiency.

"In my organization, Ansible on CentOS 10 is deployed across private cloud, public cloud, and on-premises servers, proving to be fairly reliable from my experience.

"I have used Ansible on DigitalOcean and Google Cloud for public cloud deployments, but I have not used it much on AWS since I primarily employed Puppet there.

"My advice for others considering Ansible on CentOS 10 is to proceed with it. It is one of the best configuration management tools available, whether deploying on CentOS 10 or other Linux distributions.."

Amol Dighe
Lead Site Reliability Engineering at Media Solutions

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PeerSpot

244 5th Avenue, Suite R-230 • New York, NY 10001

reports@peerspot.com

+1 646.328.1944

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