aws marketplace

EJBCA Enterprise

Reviews, tips, and advice from real users








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Product Recap

KEYFACTOR EJBCA Enterprise

EJBCA Enterprise Recap

Issue and manage trusted identities for every machine and human.

PKI shouldn't be complex. Simplify it, with EJBCA® Enterprise, the only PKI platform that deploys fast, runs anywhere, and scales on-demand — so you can issue and manage thousands, even billions of certificates, no problem.

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Valuable Features

Excerpts from real customer reviews on PeerSpot:

- "EJBCA Enterprise scales very well; autoscaling is part of the cloud EC2 setup without vendor reliance."



Validated user

Security at a tech vendor with 10,001+ employees

- "A notable feature is the extensive configuration possibilities regarding certificate templates and profiles, offering unparalleled flexibility compared to other PKI solutions on the market."



Validated user

Senior PKI Engineer at a financial services firm with 10,001+ employees

- "EJBCA Enterprise has positively impacted my organization by improving security, reducing operational risk, and enhancing production reliability."



Validated user

Senior Software Engineer at a tech vendor with 10,001+ employees

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"The automation and scalability of EJBCA Enterprise is definitely one of the biggest standout features."



Validated user

Ai Automation Engineer at a outsourcing company with 10,001+ employees

"The best features EJBCA Enterprise offers, in my opinion, are its superior security compared to some other MFAs which are not anti-phishing."



JyotiShukla

Associate Technical Manager at a computer software company with 201-500 employees

"The best features EJBCA Enterprise offers are that it is very easy to install, especially with the appliance or OVA version we are using, it integrates easily with HSM, it is easy to monitor because it has a good GUI and website interface, and it is more secure than other competitors."



Budi Muhamad

Public Key Infrastructure Engineer

"EJBCA Enterprise stands out in terms of flexibility and scalability."



Validated user

Specialist - Applied Cryptography at a tech vendor with 10,001+ employees

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What users had to say about valuable features:

"The best features EJBCA Enterprise offers include user-convenient management system, along with detailed profiles for certificate management.

Vault integrations and PQC enablement stand out for me.."

Validated user
Specialist - Applied Cryptography at a tech vendor with 10,001+ employees

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"The best features of EJBCA Enterprise include having a very good platform to use while utilizing it in Kubernetes.

"What I find especially valuable about using EJBCA Enterprise in Kubernetes is the scalability and to some extent the deployment process as well.

"Additionally, the user interface was quite good, and EJBCA Enterprise has the capability to include the RA, CA, root CA, and sub-CA in the single interface as well.."

Aryan Aryan
Security Consultant at NTT DATA

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“The best features EJBCA Enterprise offers, in my opinion, are its superior security compared to some other MFAs which are not anti-phishing.

“When I say it is better in terms of security, I mean that for a phone, if you are using a cell phone as MFA, it is not necessary that you always have your cell phone with you, but the certificates are always installed in your browser, and you just have to match the certificate when you are trying to log in. Multiple users can install the certificate in the same device or in the same browser.

“I have always used EJBCA Enterprise for security itself..”

JyotiShukla

Associate Technical Manager at a computer software company with 201-500 employees

Read full review

In my opinion, the most valuable feature EJBCA Enterprise offers is the certificate lifecycle automation, which has been discussed at a great scale. It is obviously scalable and flexible when trying to integrate with different teams and enterprise infrastructures, and this scalability is really important in an enterprise or bigger environment. The number of devices, applications, and services can grow exponentially, and if an organization has to manage this manually, it would be very difficult and would definitely result in some issues. The automation and scalability of EJBCA Enterprise is definitely one of the biggest standout features.

It is important when systems depend on secure communication and trusted identities that certificate management has a direct impact on both security and operational reliability. Even though the automation and scalability are important, they definitely impact security and how trusted communications are handled in an enterprise. .”

Validated user

Ai Automation Engineer at a outsourcing company with 10,001+ employees

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"The best features EJBCA Enterprise offers, in my opinion, include high availability and clustering, REST API and certificate automation, audit logging, role-based access control, and support for multiple CA and RA architectures.

"In my day-to-day work, high availability and certificates have made the biggest difference.

"EJBCA Enterprise has positively impacted my organization by improving security, reducing operational risk, and enhancing production reliability. This is particularly true in a large enterprise, where my application supports private wireless infrastructure and multiple interconnected services through secure connection establishment and certificate renewal.

"Before automation, when we deployed across multiple environments such as dev, SIT, prod, and UAT, manually creating certificates took considerable time. With EJBCA Enterprise, we save almost three hours on customer-related tasks, create certificates faster, and reduce manual work for the testing teams.."

Validated user

Senior Software Engineer at a tech vendor with 10,001+ employees

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"EJBCA Enterprise offers several best features, particularly when compared with Microsoft certificate authority, which has its native database that restricts the use of third-party databases. EJBCA Enterprise allows the use of third-party databases, such as Microsoft SQL, enabling additional benefits in creating and running SQL queries that help in reporting and dashboard creation.

"Using third-party databases with EJBCA Enterprise has significantly improved our reporting and dashboards. Most developers or operational engineers proficient in infrastructure are skilled with SQL and can run SQL queries effectively. When issues arise, I generally have read-only access or sometimes admin access, enabling me to remove stale entries or edit user details when necessary. For instance, I recall an occasion when a certificate name in Venafi was renamed, but the corresponding name in EJBCA Enterprise was unchanged. In such scenarios, I can rename the common name of the certificate, showcasing the advantages of using third-party databases, as 99% of users know how to execute SQL queries.

"I would add that EJBCA Enterprise works effectively with API calls, offering capabilities for certificate requests, renewals, and revocations. We can create customized dashboards depending on our use case, though this does require some development effort. Notably, EJBCA Enterprise now supports post-quantum algorithms, which I appreciate as they keep their product up-to-date. Additionally, being Linux-based contributes to its security, and as an admin proficient in Linux, I favor Linux-based deployments. Given that EJBCA Enterprise and Microsoft are the two main vendors in this space, EJBCA Enterprise stands out as the best choice for a Linux-based deployment.."

Validated user

Security at a tech vendor with 10,001+ employees

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Other Solutions Considered

"Before choosing EJBCA Enterprise, I evaluated Microsoft certificate authority. There are limited options in this area, mainly Microsoft and EJBCA Enterprise.."

Validated user
Security at a tech vendor with 10,001+ employees

Read full review

"I did evaluate other public infrastructure options before choosing EJBCA Enterprise; I think one was related to Microsoft, but I find EJBCA Enterprise better.."

JyotiShukla
Associate Technical Manager at a computer software company with 201-500 employees

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"I have used Microsoft certificate authority in a previous organization, but not in this one. The choice depends on the organization; EJBCA Enterprise's setup complexity requires someone with significant Linux experience, while Microsoft certificate authority is generally easier to deploy due to its UI-based setup, which many prefer.."

Validated user
Security at a tech vendor with 10,001+ employees

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"Before choosing EJBCA Enterprise, we evaluated other PKI and certificate authority solutions such as Microsoft AD CS, HashiCorp Vault PKI, and OpenSSL-based solutions. We evaluated them based on security, scalability, and certificate lifecycle management before deciding to go with EJBCA Enterprise.."

Validated user

Read full review

Senior Software Engineer at a tech vendor with 10,001+ employees

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ROI

Real user quotes about their ROI:

"We see potential operational benefits from EJBCA Enterprise through centralized certificate management, improved security, reduced manual handling activities, and increased operational reliability through fewer manual renewals needed.."

Validated user
Senior Software Engineer at a tech vendor with 10,001+ employees

Read full review

"I believe the time-saving aspect of using EJBCA Enterprise is valuable; I appreciate it in terms of MFA, and it does save money because using alternatives such as Twilio or other MFA options is more cost-efficient and handy.."

JyotiShukla
Associate Technical Manager at a computer software company with 201-500 employees

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"I have absolutely seen a return on investment with EJBCA Enterprise. I have managed around 500,000 certificates in my organization; users can request certificates easily. Licensing is not based on the number of certificates; once setup is complete, the majority of costs are just server-related, making it less expensive compared to Microsoft solutions. This has greatly saved me money.."

Validated user

Security at a tech vendor with 10,001+ employees

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Use Case

“My main use case for EJBCA Enterprise is to provide certificates to all the radio and network related devices and to enjoyment machines and all other devices.

“A specific example of a device where I used EJBCA Enterprise to provide certificates includes radios, switches, antennas, mobile devices, and domain-joined Windows machines.

“These were the cases where EJBCA Enterprise stood out, and I also sometimes used it for email signing certificates..”

Aryan Aryan
Security Consultant at NTT DATA

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"My main use case for EJBCA Enterprise is the creation, registering, and verification of certificates for MFA.

"I work for an IAM organization where I use EJBCA Enterprise for browser verification of a device or the device itself, and for that we use the certificates.

"I use EJBCA Enterprise to create self-signed certificates for multiple organizations, as many customers who are contracted want to create their self-signed certificates.."

JyotiShukla

Associate Technical Manager at a computer software company with 201-500 employees

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EJBCA Enterprise is particularly valuable for certificate lifecycles and can definitely be used for automating the certificate lifecycle. If an organization is in a large enterprise or a big telecom company, EJBCA Enterprise can help automate and centralize certificates. For example, if an organization has a large number of servers or networking devices, manually managing certificates becomes very difficult, and EJBCA Enterprise helps automate certificate issuance, renewal, and revocation, making it easier to maintain trust across the infrastructure.

One of the most important pain points in certificate life management is that certificates have defined validity periods, so they need to be issued correctly, renewed before their expiration time, and revoked in case of any compromise or when someone is no longer trusted. When these processes are handled manually, it becomes very difficult to maintain all these different certificates together. From my exposure, I understand that this matters in an enterprise and telecom environment where systems need to communicate securely and reliably, and certificate trust is an important part of EJBCA Enterprise. .”

Validated user

Ai Automation Engineer at a outsourcing company with 10,001+ employees

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"My main use case for EJBCA Enterprise involves managing and maintaining the complete lifecycle of certificates and addressing client needs while maintaining the PKI and CA certificates, ensuring all CA certificates and end user certificates comply with our internal security requirements and legal obligations regarding certificate exchange.

A practical example of how I use EJBCA Enterprise daily is to deliver certificates for the appropriate client, ensuring EJBCA provides all requested certificates and can publish information about revoked certificates through the CRL. There is a law in our country that requires us to issue certificates for user authentication with a certificate lifetime of two years. I use EJBCA Enterprise for this, modifying and adjusting all certificate configurations, and I can also enforce certificate requests. For instance, if a requested certificate is produced with a public key having a weak exponent, we cannot accept it. This involves configuring and ensuring the solution works properly.

Regarding my main use case and daily tasks with EJBCA Enterprise, I can confirm that it is very flexible, allowing us to accomplish what we need. It is a very good PKI solution that enables us to generate certificates and ensure they comply with specific regulations or client needs. The daily tasks revolve around this flexibility, and EJBCA Enterprise excels in that area. I would also mention that communication with the support portal about Keyfactor is decent for regular questions, but when seeking expertise on the solution, it can be challenging.."

Validated user

Senior PKI Engineer at a financial services firm with 10,001+ employees

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“The main use case for EJBCA Enterprise in Dell PW is public key infrastructure and certificate lifecycle management. In simple terms, EJBCA Enterprise acts as a certificate authority that creates, signs, manages, and validates digital certificates used to establish trust between PW components and services. The main use cases involve certificate issuance and renewal before expiration. Keyfactor's jobs run daily to check for any expiring certificates and provide alerts if jobs fail, along with the status of certificates due for expiration.

“For example, in a real-world enterprise scenario using Dell PW, a telecom company deploys a private 5G network for a large manufacturing plant with multiple services running on Kubernetes in AKS that need secure communication. Since the company does not want each application generating and managing its own certificate, EJBCA Enterprise becomes essential, acting as a certificate authority where a PW service needs certificates.

“For example, Hermes needs a certificate to communicate securely with another PW service, with Keyfactor managing the certificate request and EJBCA Enterprise signing the certificates before deployment, which ensures secure communications between Hermes servers and clients.

“We use EJBCA Enterprise in our PW enterprise application to establish secure communications between the Hermes client deployed on the client side and our Hermes server, which allows us to check and renew certificates..”

Validated user

Senior Software Engineer at a tech vendor with 10,001+ employees

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"My main use case for EJBCA Enterprise is setting up our internal certificate authority where all website certificates, specifically internal website certificates, are managed. Anybody in any business unit within our organization needing any SSL or TLS certificate for their web servers can do so by logging into Venafi or making API calls to get the certificate from our internal certificate authority. I have EJBCA Enterprise certificate authority set up behind Venafi, allowing anyone to request a certificate.

"I decided on setting up EJBCA Enterprise as our internal certificate authority because it is open source and compared to Microsoft certificate authority, it has a cheaper licensing cost, particularly with Windows servers. Since EJBCA Enterprise is open source and Linux-based, the cost is lower and there are no licensing costs. In our use case, we use Microsoft certificate authority for user-based certificates because with the help of group policy, we can deploy a certificate to user laptops. For this scenario, Microsoft certificate authority is effective. However, for web server certificates which are generally not part of a domain, especially on many Linux servers that are not part of Active Directory, EJBCA Enterprise is the best choice due to lower costs and better fit.

"I have additional thoughts about my main use case and how I'm using EJBCA Enterprise, especially since it has integration with Venafi which prevents direct exposure. Users feel they are using Venafi, and based on their certificate request type, the request is redirected to the best working certificate authority. This has worked well for us because EJBCA Enterprise supports API calls, allowing anyone needing a certificate to do so via API calls. Most users today request certificates via API calls due to the rise of DevOps practices. Moreover, EJBCA Enterprise works well with Docker containers or Kubernetes pods, and we have integrated cert-manager with Venafi. Now anybody needing a certificate for their pods or containers can request it, and EJBCA Enterprise is performing effectively for us.."

Validated user

Security at a tech vendor with 10,001+ employees

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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.

"EJBCA Enterprise was first deployed on Azure AKS clusters. Last year, we deployed EJBCA Enterprise and Keyfactor in-house, which means we have a mixed deployment in our organization.

"We exclusively use Azure for our deployments.."

Validated user

Senior Software Engineer at a tech vendor with 10,001+ employees

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"I consider EJBCA Enterprise a good product given my seven years of experience using it. The product is very secure; however, I believe that deploying EJBCA Enterprise can be challenging for someone with only a Microsoft Windows-based deployment background. I struggled initially, but once I understood the full architecture and deployment process, it became easier, and I now enjoy deploying EJBCA Enterprise. It remains a complex product that is not easy to grasp at first. I know it is secure because I use it, and EJBCA Enterprise has excelled in essential aspects such as post-quantum cryptography, particularly with the release of EJBCA Enterprise 9.3, which supports post-quantum cryptography algorithms.

"I have deployed EJBCA Enterprise on-premises thus far, but I have also conducted a proof of concept on cloud, which worked as well.

"For my proof of concept, I used AWS.

"As mentioned, EJBCA Enterprise is open-source software, so I conducted the proof of concept and procured the software from the vendor. If you have an EC2 instance with RHEL, deploying it is straightforward.."

Validated user

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Security at a tech vendor with 10,001+ employees

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Customer Service and Support

"Customer support is good for regular questions, but when I require expert advice on high-skill questions, it can be challenging. I would rate customer support a six on a scale of one to ten.."

Validated user
Senior PKI Engineer at a financial services firm with 10,001+ employees

Read full review

"The customer support for EJBCA Enterprise is good, and while there can be delays sometimes due to representatives not fully understanding the system, the overall turnaround time is fast.

I rate the customer support as eight.."

Validated user
Specialist - Applied Cryptography at a tech vendor with 10,001+ employees

Read full review

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"Customer support is reliable and responds promptly depending on the severity of the issues raised, especially if they impact production.

"I would rate customer support as a 10.."

Validated user
Senior Software Engineer at a tech vendor with 10,001+ employees

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"Customer support has been good; it's a mixed experience. For critical incidents, knowledgeable experts provide support, but for minor issues, my experience has been that inexperienced support agents may struggle. EJBCA Enterprise is complex, and support effectiveness often hinges on the experience level of the agent.

"I would rate customer support a seven out of ten.."

Validated user
Security at a tech vendor with 10,001+ employees

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“EJBCA Enterprise provides access to their support, which is very helpful.

“EJBCA Enterprise's customer support always responds to our issues when we submit tickets from the Keyfactor principal portals.

“I rate the customer support a six..”

Budi Muhamad
Public Key Infrastructure Engineer

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Other Advice

“I gave EJBCA Enterprise a nine due to room for improvement, as not every user who will operate the system is tech-savvy.

My advice for others considering EJBCA Enterprise is to proceed if they have assessed the technical compatibility and use cases required..”

Validated user
Specialist - Applied Cryptography at a tech vendor with 10,001+ employees

Read full review

“I would rate EJBCA Enterprise a nine out of ten.

“I chose nine out of ten due to some improvements that are needed.

“My advice to others looking into using EJBCA Enterprise is that if their end users are devices such as radios, antennas, and switches and their base platform is Kubernetes, they should preferably switch to EJBCA Enterprise for easy deployment..”

Aryan Aryan
Security Consultant at NTT DATA

Read full review

I would currently give EJBCA Enterprise a rating of seven or eight, and if the mentioned improvements can be applied, it will help EJBCA Enterprise be much more flexible and scalable.

I chose a seven or eight for my rating because, as I mentioned, the integrations

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should be much easier and the troubleshooting for certificate management needs improvement. If those tips I provided on how to improve EJBCA Enterprise are applied, the rating would definitely go higher.

“If other organizations are planning to use EJBCA Enterprise, they should definitely look into some important factors. .”

Validated user
Ai Automation Engineer at a outsourcing company with 10,001+ employees

Read full review

“I would rate EJBCA Enterprise an eight overall.

“I think EJBCA Enterprise is doing a great job regarding its AI capabilities, and I believe they should keep implementing it.

“I find EJBCA Enterprise's accuracy and reliability of output to be good, though it depends on the prompts a person gives.

“I would advise others looking into using EJBCA Enterprise to make the console faster, as it takes a lot of time for the request-response cycle..”

JyotiShukla
Associate Technical Manager at a computer software company with 201-500 employees

Read full review

“I would rate EJBCA Enterprise a nine out of ten.

“I choose nine out of ten for EJBCA Enterprise because it performs very well, but the only area needing improvement is the dashboard functionality; if that is added, it would be a perfect ten out of ten.

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"My advice for those considering EJBCA Enterprise is to use Microsoft-based deployment for small use cases since EJBCA Enterprise is complex to set up. It is essential to have a very experienced individual for EJBCA Enterprise deployment, ideally with eight to ten years of experience and some architectural background. In contrast, someone with just three to five years of experience can install and configure Microsoft certificate authority more easily. For large enterprises with significant certificate needs, open-source EJBCA Enterprise can provide substantial savings, but expert help is necessary.."

Validated user
Security at a tech vendor with 10,001+ employees

Read full review

"I would rate EJBCA Enterprise as a seven on a scale of 1 to 10.

"I chose seven due to its strong certificate authority, PKI management, HSM integration, high availability, rapid customer support response, and the areas for improvement I have already shared.

"Regarding EJBCA Enterprise's AI capabilities, we handled a project deploying in the US government port on Azure AKS clusters where security was well maintained. Although the project is not live yet, I feel EJBCA Enterprise handles security effectively, and I distinguish between its secure capabilities and its AI capabilities, though I cannot confirm deployment specifics.

"I advise others looking into using EJBCA Enterprise to acknowledge how it reduces human effort, enhances security, and provides high availability while evaluating certificate management requirements and integration with existing infrastructure before implementation.."

Validated user
Senior Software Engineer at a tech vendor with 10,001+ employees

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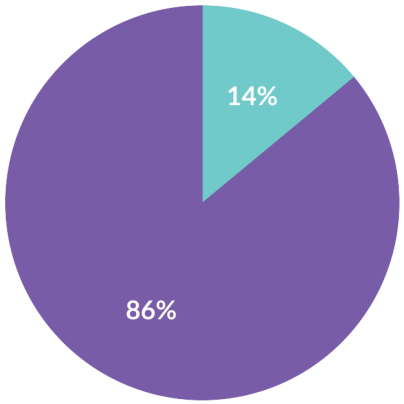
Top Industries

by visitors reading reviews

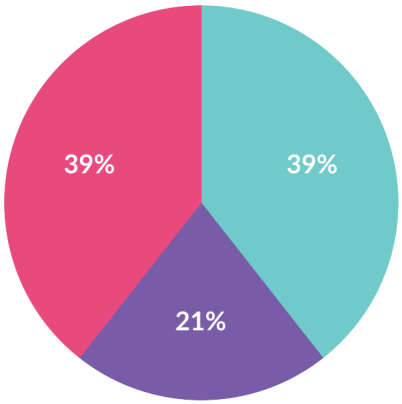
Financial Services Firm	15%
Outsourcing Company	15%
Comms Service Provider	13%
Manufacturing Company	12%

Company Size

by reviewers



by visitors reading reviews



Large Enterprise Midsize Enterprise Small Business

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