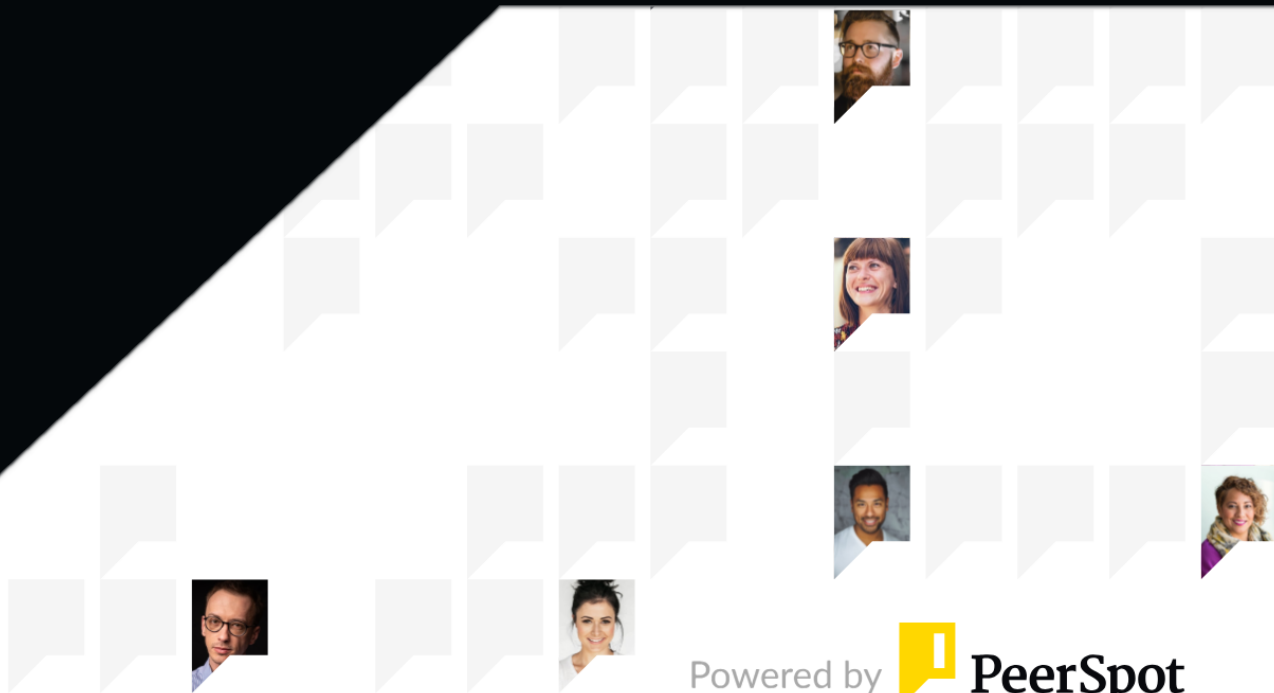




PostgreSQL on Ubuntu

Reviews, tips, and advice from real users



Powered by  **PeerSpot**

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Product Recap



PostgreSQL on Ubuntu

PostgreSQL on Ubuntu Recap

PostgreSQL on Ubuntu delivers advanced queries, robust extensions like PostGIS, JSONB support, and reliability backed by a strong community. It efficiently handles complex joins, CTEs, and transactions. Its customizable architecture suits diverse use cases.

PostgreSQL on Ubuntu stands out with its advanced feature set, enabling organizations to handle semi-structured data and execute complex queries with ease. Its extensions, such as PostGIS, add spatial data functionality, while JSONB support ensures flexibility with non-structured data. Known for reliability, PostgreSQL efficiently operates under heavy loads, making it ideal for enterprise applications. While the open-source nature allows for customization, there are areas for enhancement, including installation guidance, monitoring tools, and vector similarity search capabilities. Further developments in documentation, error handling, and GUI support are needed, along with options for serverless operations and automated syncing.

What features make PostgreSQL on Ubuntu compelling?

- **Advanced Queries:** Supports complex joins and CTEs providing analytical capabilities.
- **Extensions:** Offers robust options like PostGIS for spatial data.
- **JSONB Support:** Handles semi-structured data with ease.
- **Reliability:** Consistently performs under heavy database loads.
- **Security:** pgcrypto ensures strong data protection.

What benefits and ROI can organizations expect?

- **Cost Savings:** Reduces manual data entry and operational costs.
- **Performance:** Superior under intense workloads.
- **Scalability:** Adapts to enterprise-level demands.
- **Customization:** Open-source nature allows easy adaptation to specific needs.

In finance, PostgreSQL on Ubuntu is used for managing complex databases and financial data analysis. Agricultural industries rely on its flexibility to track provenance and generate insights from semi-structured data. Organizations managing sensitive user credentials benefit from its security extensions. Educational institutions employ it to integrate diverse data, such as student records and performance metrics, while legal entities utilize it for efficiently managing and integrating high court case data.

Valuable Features

Excerpts from real customer reviews on PeerSpot:

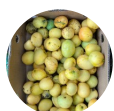
- ✓ “In summary, PostgreSQL on Ubuntu represents something that is becoming rare in the software world, which is a mature, stable, genuinely free tool that does not have a commercial agenda pushing you toward a paid tier or a vendor locking strategy.”



Michael_Michael

CEO at Grant Corporation

- ✓ “PostgreSQL on Ubuntu has positively impacted my organization by being the single most important factor in moving France Farms from a conceptual bio-IT project to a functional sovereign trust machine because it has credibility with international farmers and partners.”



David François

Customer/Technical Support at France Farms

- ✓ “PostgreSQL on Ubuntu has positively impacted our organization because, from the initial phase with around 1,000 plus users during user accessibility testing, we defined the tables in such a manner that even with future scalability increases, it would function well, and now it has grown to 10 lakh users, still holding up well with fast data retrieval and good query performance, supported by effective indexing methods.”



Pranay Jain

Senior software engineer at Simplify vms

- ✓ “Overall, PostgreSQL on Ubuntu is very good, and I am genuinely impressed with how reliable and performant it was in our production environment.”



Harshwardhan Gullapalli

AI Engineer at a educational organization with 51-200 employees

- ✓ “The biggest benefit in PostgreSQL on Ubuntu for me is the open-source advantage, as it allows me to look into the code, understand the logic, mold my code according to it, and it will work perfectly rather than proprietary solutions where I am very much dependent on the vendor and have to wait for their next release to fix things.”



Rizwan Ghzzaal

Manager Dev Ops at Accenture

- ✓ “The good aspect about PostgreSQL on Ubuntu is the huge community support that we have.”



Debarshi Banerjee

Specialist Programmer L3 at Infosys

- ✓ “PostgreSQL on Ubuntu encompasses all three attributes I value, as it is very easy to use, highly secure, and was a good fit for complex relational projects like Partscify, my religious app, and my Nexera e-commerce store.”



Hamza Abbas

Software Engineer at a university with 501-1,000 employees

What users had to say about valuable features:

“The best features PostgreSQL on Ubuntu offers, based on my experience, were the documentation and ease of use. The Ubuntu documentation made it easier to use and install.

“PostgreSQL on Ubuntu positively impacted my organization by speeding up the test environment at the time. It sped up my test environment by being faster to set up and to maintain..”

Frank-Frank

CEO at Elevarq Inmobiliaria

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“The best features PostgreSQL on Ubuntu offers are deep integration to JSONB fields and indexing within those fields, which is extremely useful in my use case.

“The deep integration with JSONB fields and indexing has helped my use case by allowing us to use a number of specific entries in dictionaries that are stored in JSONB fields, and by using the indexing within JSONB fields, we're able to use those fields directly and efficiently without having to manually create additional fields for searching.

“PostgreSQL on Ubuntu has positively impacted my organization by allowing us to overcome the performance issues we faced while running PostgreSQL on Ubuntu in a different environment, Windows-based, which was not as performant and required a lot more memory and CPU bandwidth than our eventual Ubuntu deployment..”

Edward Rothman

Consultant at a non-tech company with 10,001+ employees

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“From our experience, several features that PostgreSQL on Ubuntu offers really stand out, including reliability and ACID compliance. Transactions are rock solid. We never had a data corruption issue, even during unexpected server restarts. JSON support, being able to store and query semi-structured data alongside our relational tables in the same database, is huge. That is a significant advantage. We do not need a separate MongoDB instance for flexible data. Full-text search built right in means no extra service is needed. For smaller projects, it completely eliminates the need for something like Elasticsearch. Extensions, like encryption, UUID generation, and geodata, make the ecosystem very rich. There are no problems, especially with performance. Performance tuning on Ubuntu, being able to edit directly and tune things like the shared buffers, the working memory, and max connections for your exact hardware, is something you cannot do with managed cloud databases the same way. It does not work or come close. Cost is completely free and open source, which is a significant advantage, especially when you want to scale and provide this quality database to many customers. It is cost-effective to manage database services, especially for smaller to mid-sized client projects. The combination of PostgreSQL features' depth with Ubuntu stability is a no-brainer. Open source means zero cost, which is fantastic..”

Michael_Michael

CEO at Grant Corporation

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“PostgreSQL on Ubuntu encompasses all three attributes I value. It is very easy to use because I studied database courses in my university, and it is purely SQL. I was familiar with relational databases and more comfortable using PostgreSQL on Ubuntu because I could link different models together, such as product model to order, order item, and vehicle to product. The major factor was relational databases. I do not have experience with non-relational databases such as MongoDB, but I preferred PostgreSQL on Ubuntu because it also helped me understand SQL and it supported my university coursework. Additionally, it is a very secure database, and I have added multiple security layers such as Nginx for routing and middlewares to prevent intrusions on my database. I am also planning to increase the level of security further.

I used hashing in my admin login portal with PostgreSQL on Ubuntu, where everything was hashed along with the user ID and passwords. Guessing the password becomes difficult because it is already hashed using bcrypt.js and SHA-256. Prisma itself is very helpful in creating a security layer because it automatically detects SQL injections and other types of security intrusions. Since I have been using AWS for my deployments, AWS is also a very secure service. All of these security layers made my project secure from external intrusions and unauthorized access..”

Hamza Abbas

Software Engineer at a university with 501-1,000 employees

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The best features that PostgreSQL on Ubuntu offers are the flexibility aspect, which is phenomenal. Being open source also helped significantly in its adoption. Since it is one of the market leaders when it comes to relational databases, it was definitely our best choice. We have excellent reliability, and with each new version, we are confident that we won't have problems with upgrades; we never have. It delivers everything we need, which is precisely reliability, frequent updates, flexibility of use, ease of use, and the advantage of being a market-leading tool.

PostgreSQL on Ubuntu, because it is widely used and open source, has great acceptance in educational environments, including universities and technical courses. Programmers and developers are already accustomed to using PostgreSQL, running queries, and interacting with it. Even junior developers and interns who are joining the development team have already had contact with PostgreSQL, so the learning curve for the team is relatively very fast. They already come in with excellent background knowledge, and we don't have major difficulties finding developers who have already worked with PostgreSQL.

“The main points about PostgreSQL on Ubuntu are that it is open source, allows flexibility, has great adoption with a very large market share, includes many features natively, provides frequent updates, and delivers the reliability we need for our applications. Every time we have performed upgrades, we have never had any problems. .”

Verified user

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Analista de Infraestrutura de TI at a tech vendor with 11-50 employees

“PostgreSQL on Ubuntu offers data caching, on-premises data storage, data security, and I can write, store, and analyze data on the PostgreSQL on Ubuntu instance. That is really helpful for me.

“I rely on on-premises and data caching the most because data caching helps to reduce the latency for any systems I develop. On-premises makes data security and data privacy its utmost goal, and both of them are maintained.

“PostgreSQL on Ubuntu has definitely impacted my organization to analyze their data. Some of the clients for my particular organizations are preferring on-premises data storage. PostgreSQL on Ubuntu gives me the ability to help them keep their data on-premises, but at the same time, I can go onto their jump host to their servers and analyze their data. That is really helpful.

“Data caching, particularly PostgreSQL on Ubuntu data caching, helped to reduce our average latency. When I was making a few data analytics, I got to know that PostgreSQL caching helped me to save five milliseconds of latency on every call, which is a lot for user experience as well as productivity. That is very helpful..”

Jaiminvyas Manish Morvias

Software Engineer 2 at Microsoft

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Other Solutions Considered

Before using PostgreSQL on Ubuntu, I first used MySQL on Ubuntu for a different project. I switched because PostgreSQL was suited for different kinds of projects I was working on.

Verified user

Database developer at a university with 501-1,000 employees

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We evaluated MySQL and Microsoft's SQL Server before choosing PostgreSQL on Ubuntu. PostgreSQL was our choice precisely because it is an open source solution with no licensing costs and already has a very high market share.

Verified user

Analista de Infraestrutura de TI at a tech vendor with 11-50 employees

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“You should try to have a good understanding of the needs of your project. If you do not want to take the headache of setting things on your own, use Supabase and other already-built services on top of PostgreSQL on Ubuntu. If you really want to understand the system-level database architecture, then you must go with it, gain experience, and get your hands dirty with it..”

Hamza Abbas

Software Engineer at a university with 501-1,000 employees

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“I previously used MySQL as our default database, also on Ubuntu. It was the path of least resistance at the time; most shared hosting and early tutorials defaulted to MySQL, so that is all we knew. We switched to PostgreSQL on Ubuntu for several reasons, including data integrity, JSON support, and advanced features. The community direction influenced our decision as well. We switched gradually, implementing PostgreSQL on new projects over time, and as we got more comfortable, we made PostgreSQL our standard now..”

Michael_Michael

CEO at Grant Corporation

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“I wanted to have an elite level experience of managing the database on my own while using PostgreSQL on Ubuntu instead of using managed databases such as Supabase and Firebase. I wanted to learn in detail, and I also used Prisma along the way so that I do not have to write queries on my own. I just have to use the ORM module to establish a connection between PostgreSQL on Ubuntu and my backend via Prisma. I preferred this approach, and one factor was to save the cost of using Supabase or Firebase. PostgreSQL on Ubuntu runs locally, so we do not have to pay any cost.

I evaluated Supabase as well. My friend was using Supabase because it is easy to link. Supabase actually uses PostgreSQL on Ubuntu under the hood, but it provides a useful interface. However, I wanted to set up everything on my own from scratch, including Docker containerization and setting the database locally through my terminal. I explored Supabase as well..”

Hamza Abbas

Software Engineer at a university with 501-1,000 employees

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“Before choosing PostgreSQL on Ubuntu, we evaluated a few different options. The first one was MongoDB; we evaluated it seriously because of its flexible document model, but it was not compelling. It was not accomplishing what we needed and it was over-complicated, lacking the same features and setup as PostgreSQL. We also looked into AWS RDS; we considered managed options to reduce our operational burden, and while the functionality was solid, the cost was hard to justify for smaller client projects. We needed something that we could scale, still feel premium, and not break the bank.

Additionally, we briefly used SQLite for very small internal tools and projects; it is great for its use case, but obviously it does not scale for client-based applications with the current uses. We also considered MariaDB as a drop-in MySQL replacement after the MySQL and Oracle situation. It was fine, but at the point we really started using PostgreSQL, we said it was just not better than PostgreSQL. After evaluating all these options, we found self-managed Ubuntu VPS to be the clearly right balance of features, cost, and control for our needs..”

Michael_Michael

CEO at Grant Corporation

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ROI

Real user quotes about their ROI:

“I would say money saved and time saved are the most viable buy-ins to use PostgreSQL on Ubuntu because it really helped me to drill down the cost of employees as less workforce is needed..”

Jaiminvyas Manish Morvias

Software Engineer 2 at Microsoft

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“Regarding ROI from PostgreSQL on Ubuntu, I find it manageable, with it being affordable from a cost standpoint, although support may require additional variants depending on solution dependencies..”

SampathkumarRajasekaran

Director IT at Artizense Hub

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The best return on investment with PostgreSQL on Ubuntu is that since it is a widely used market solution in enterprise environments, we have a reduction in training costs for employees. Because the solution itself does not generate any acquisition or usage costs, the main costs that would be associated are for the workforce itself, specifically the developers. Since they already have contact with this tool in educational environments, the cost is truly the best of both worlds.

Verified user

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Analista de Infraestrutura de TI at a tech vendor with 11-50 employees

“I have seen a return on investment from using PostgreSQL on Ubuntu with a reduction in infrastructure cost; Ubuntu LTS is relatively free, allowing me to avoid the high monthly managed service fees from proprietary database platforms. This enables me to funnel my limited capital directly into R&D and soil science. There is also 100 percent data integrity with no licensing fees. Fewer employees are needed because this was bootstrapped for one person, so I did not need to hire a large team for a startup such as this..”

David François

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Customer/Technical Support at France Farms

“PostgreSQL on Ubuntu is open-source, and I have not spent a single penny other than the infrastructure on which it is hosted. If I look into the market, I have very heavy products, and even MySQL is also open source, but PostgreSQL on Ubuntu gives me a lot of savings in terms if I were to go to any other vendor which has a license. The ROI is significant because I am not paying a single penny for the product itself, but only for the underlying infrastructure..”

Rizwan Ghzzaal

Manager Dev Ops at Accenture

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“The ROI for using PostgreSQL on Ubuntu has been clear and consistent across a few dimensions. For money saved, as I mentioned earlier, we cut database infrastructure costs by roughly sixty to seventy percent by moving away from managed databases to using hosted PostgreSQL on Ubuntu VPS instances. We do not need a DBA; time saved on setup is standardized on PostgreSQL on Ubuntu, meaning new projects get a database environment up and running in under an hour. Previously, evaluating and configuring different solutions per project was eating two to three days per engagement. Multiply that by eight to ten projects a year, and that is meaningful recovered time.

We also see a reduction in maintenance overhead; consolidating to a single database technology cut our ongoing maintenance down to thirty percent. Altogether, the ROI has been strong enough that we have not seriously considered switching. The cost of migrating away from working systems would outweigh any theoretical gains at this point..”

Michael_Michael

CEO at Grant Corporation

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Use Case

“My main use case for PostgreSQL on Ubuntu is developing applications and using PostgreSQL on Ubuntu as my backend for my data storage.

“A quick specific example of an application where I used PostgreSQL on Ubuntu for data is an application that was used to help match borrowers with available mortgage lenders and determine which lender is most likely to lend to those borrowers..”

Edward Rothman

Consultant at a non-tech company with 10,001+ employees

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“My main use case for PostgreSQL on Ubuntu is as the backbone of an agricultural provenance system called France Farms, with the primary goal of creating a trust machine for smallholder farmers in the Caribbean. I use PostgreSQL on Ubuntu to store critical agricultural data such as soil metrics, harvest origin, and chemical records. To ensure the data is tamper-proof, I implement cryptographic hashing such as SHA-256. This allows me to anchor a digital fingerprint to every physical asset, providing an immutable audit trail that can be verified by international buyers. Ubuntu LTS provides the stable open-source environment required to run these high-integrity database operations reliably at the edge..”

David François

Customer/Technical Support at France Farms

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“My main use case for PostgreSQL on Ubuntu is to store data, especially telemetry data and customer data. I had a client whose telemetry data was coming online on one of their on-premises devices. I proposed spinning off an instance of PostgreSQL on Ubuntu on one of the incidents and used it to store on-premises data. The main objective was to keep the data on-premises for that particular device and that particular infrastructure. This helped me to keep the data on-premises rather than on cloud.

“We also proposed PostgreSQL on Ubuntu on our onsite databases as well. It helped us to analyze our data in near-real-time, which was a very good use case..”

Jaiminvyas Manish Morvias

Software Engineer 2 at Microsoft

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My main use case for PostgreSQL on Ubuntu is precisely the database aspect, which is the storage of data from applications that run on top of Ubuntu.

We have an application that uses PostgreSQL on Ubuntu that we sell to end customers, and we run the entire environment on Ubuntu. We have a dedicated Ubuntu machine running PostgreSQL and storing all the data there.

“This environment, which includes PostgreSQL on Ubuntu, was set up in the cloud. We have one machine for the application and another dedicated one for the database, which in this case is PostgreSQL. We have all the backup routines for this database. It connects to the database, performs the entire backup, and that is our standard process. .”

Verified user

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Analista de Infraestrutura de TI at a tech vendor with 11-50 employees

“My main use case for PostgreSQL on Ubuntu is as a backend database for client web applications, handling relations, data, user records, transactional data, reporting, and queries. It is our default choice for our projects.

One specific example of how I use PostgreSQL on Ubuntu for one of my client web applications is in a service booking web application, which is for a small business appointment scheduling with customer records. We run it on an Ubuntu server with PostgreSQL handling all the data. The database manages three main tables: customers, appointments, and services. We use SQL indexing on the appointment date column to keep queries fast when pulling upcoming bookings. We also use row-level constraints to prevent double booking the same time slot. On the back end, we have a Node.js API connected via the PG driver. Ubuntu systemd keeps the PostgreSQL servers running reliably with automatic restarts. We also set up automatic PG dump backups on a cron job nightly to remote locations. We have basically had zero unplanned downtime, so it performs very well..”

Michael_Michael

CEO at Grant Corporation

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“The main purpose of using PostgreSQL on Ubuntu is to store user data, products, and their details. I used it in my client's project called Partscify, which is an auto parts company. In that project, it was very important to relate vehicles and products to each other, and I used PostgreSQL on Ubuntu because it is a well-known relational database. I could have used Supabase and Firebase, but PostgreSQL is very stable on Ubuntu, which is why I preferred it for my Partscify project. I am also using it in another client's project that is a religious app, and I have been using it on one of my projects called Nexera, which is an e-commerce online store. PostgreSQL on Ubuntu was a good fit for all these projects.

When I used PostgreSQL on Ubuntu in my Partscify project, I had to go through an end-to-end process from my laptop's environment to a production-grade environment for real users. The major challenge was linking PostgreSQL on Ubuntu with my backend code. I had to create a separate container for PostgreSQL with PostgreSQL itself installed on it and linked with environment variables. Then I linked my Partscify web container to route the Partscify database container to fetch the data and display it on the front end. Managing PostgreSQL on Ubuntu at the production level was a bottleneck, but overall, it was a good experience and I learned a lot..”

Hamza Abbas

Software Engineer at a university with 501-1,000 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.

“My experience with pricing, setup cost, and licensing for PostgreSQL on Ubuntu has been very straightforward and reasonable. I had no issues with the pricing or setup; it was all streamlined flawlessly..”

Michael_Michael

CEO at Grant Corporation

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“I find the installation process for PostgreSQL on Ubuntu to be easy, especially when applying it to data warehouse solutions, although I have limited experience with data marts..”

SampathkumarRajasekaran

Director IT at Artizense Hub

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“Regarding pricing and setup costs for PostgreSQL on Ubuntu, I do not have much information about pricing, but the initial setup was very easy, with the more tedious aspects appearing later during scaling; licensing is simple since it is open-source..”

Pranay Jain

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Senior software engineer at Simplify vms

“In the very beginning of my learning path, I faced some difficulties in setting up PostgreSQL on Ubuntu, but now it's clear how it works. I know all the steps to make it work: creating databases, making users, providing rules, and creating tables..”

Roman Pryimuk

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Kotlin Developer at Capgemini Engineering

“The installation and deployment process of PostgreSQL on Ubuntu is very straightforward. I have automated it and I know that it is not about MySQL, but both of them have a very similar installation process. The main difference is the commands on how you manage MySQL and how you manage PostgreSQL on Ubuntu..”

Rizwan Ghzzaal

Manager Dev Ops at Accenture

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“I found the process of setting up PostgreSQL on Ubuntu, along with the pgcrypto extension, to be straightforward, but it required a subtle understanding of the Linux command line interface. Using APT to manage the installation and updates is seamless. The repository system makes it easy to get stable, tested versions of PostgreSQL on Ubuntu that I need for a production environment. The challenge, or the real learning curve, was in the permissions and configuration. Managing the pg_hba.conf file to secure remote access while ensuring the PostgreSQL on Ubuntu user has the right ownership of the data was a hurdle. Understanding how Ubuntu handles systemd services for PostgreSQL on Ubuntu was key. Once I understood how to use systemctl to manage the database lifecycle properly, the setup became very reliable. I also received some help from artificial intelligence, which was very helpful for me..”

David François

Customer/Technical Support at France Farms

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Customer Service and Support

Regarding official support for PostgreSQL on Ubuntu, because it is an open source tool, there are support plans and subscriptions dedicated to the solution, but in our case, we did not need to sign up for any.

Verified user

Analista de Infraestrutura de TI at a tech vendor with 11-50 employees

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“I think the customer support for PostgreSQL on Ubuntu is very nice. I really didn't have to go with customer support at any time, but I think it would be nice..”

Jaiminvyas Manish Morvias

Software Engineer 2 at Microsoft

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“The customer support for PostgreSQL on Ubuntu is quite responsive. When I needed help with my vector search, I contacted them, and they provided substantial assistance..”

Harshwardhan Gullapalli

AI Engineer at a educational organization with 51-200 employees

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“Regarding technical support for PostgreSQL on Ubuntu, there is a need for quick support services when the solution is not built well, and community support is usually helpful in addressing queries and finding solutions to various scenarios..”

SampathkumarRajasekaran

Director IT at Artizense Hub

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“I have not needed customer support for PostgreSQL on Ubuntu yet, but because I use Ubuntu LTS, I still have access to the Ubuntu Advantage knowledge base and the Ask Ubuntu community. If a security patch is needed for the OS, it is pushed automatically. PostgreSQL on Ubuntu also has some of the most detailed technical documentation in existence..”

David François

Customer/Technical Support at France Farms

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Other Advice

“I don't have any advice regarding PostgreSQL on Ubuntu because I don't use it and don't have an opinion. I don't have any additional thoughts about PostgreSQL on Ubuntu to share. My review rating for this product is 8..”

Frank-Frank

CEO at Elevarq Inmobiliaria

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PostgreSQL's stability is a very relevant positive impact that I can share as a specific example of measurable impact. We have a truly robust open source solution for which we do not have licensing costs, even for corporate use, and which delivers incredible reliability. We do not have difficulties with deployment, maintenance, or anything else. It delivers what we need for our application. When a database is very well modeled and structured, it brings together what is useful and what is pleasant, and we have an application that does not present problems with the database.

My advice for others who are considering using PostgreSQL on Ubuntu is that if your application is relational, that is, if you need a relational database, PostgreSQL will definitely be my first recommendation. I would rate this solution a perfect ten out of ten. .”

Verified user

Analista de Infraestructura de TI at a tech vendor with 11-50 employees

[Read full review](#) 

“I would rate PostgreSQL on Ubuntu an eight out of ten. The pace of development

is very high. Adding these new features like data science models, semantic models, as well as AI capability would be really better if it were on PostgreSQL on Ubuntu.

“PostgreSQL on Ubuntu's governance and security is really nice. I love the governance and security that PostgreSQL provides. That is my best buy-in for PostgreSQL on Ubuntu.

“If you are really looking into some data management systems that are much more lightweight as well as capable and higher in performance, you should definitely go with PostgreSQL on Ubuntu. I gave this review a rating of eight out of ten..”

Jaiminvyas Manish Morvias

Software Engineer 2 at Microsoft

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“I utilized a lot of my time in understanding how to link PostgreSQL on Ubuntu with my web container, how I would access my database data, and how I would perform migrations. I have been using [Microsoft SQL Server](#), so the syntax was a bit different for me, particularly UUID and other things that are not present in Microsoft SQL Server. This was my first project on PostgreSQL on Ubuntu, and I have been working on four projects currently, so I will need to gain more experience to give it a ten out of ten rating.

I would suggest going through information about its production-level capabilities first and studying its syntax, how to write schema, and how to link things with each other. If you are using Prisma along with it, check out the syntax of Prisma regarding how to use it and how Prisma generates optimized queries under the hood for fetching data from the database. I have rated this review eight out of ten overall..”

Hamza Abbas

Software Engineer at a university with 501-1,000 employees

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“After switching to [Ubuntu](#), I experienced performance improvements mostly in resource savings, where the memory overhead dropped down to under five hundred megabytes for standard operations, although with all indexes and so on loaded, we usually kept the machine running at about one gigabyte.

“My advice to others looking into using PostgreSQL on Ubuntu is that assuming you need an SQL-type database, it would be my first pick.

“Regarding PostgreSQL on Ubuntu's AI capabilities, my thoughts on its accuracy and reliability of output are positive so far.

“I would rate PostgreSQL on Ubuntu a nine overall on a scale of one to ten..”

Edward Rothman

Consultant at a non-tech company with 10,001+ employees

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“We decided we need to post JSONB columns for some of our flexible infrastructure, such as storing metadata for per client. It gives us a relationship reliability we need when handling semi-structured data without needing a separate NoSQL solution. We also appreciate how straightforward PostgreSQL is to manage on Ubuntu, especially using things such as PostgreSQL on the command line, PG_HBA configurations for access control, and the overall transparency of the system. It never feels like it is a black box. Overall, it is just a very dependable stack for us. We have tried other databases on other projects, but PostgreSQL on Ubuntu remains our default recommendation when we are dealing with clients' databases.

All these features work together really well with PostgreSQL on Ubuntu. There is nothing about piecing together separate tools; it is all native. JSON, full-text search, extensions, and the row-based access control system are all in one coherent platform. I also want to mention the community and documentation. Running PostgreSQL on Ubuntu means you almost never hit a problem that has

not already been solved and documented somewhere. That is a significant advantage, because you have a system that has been battle-tested and ready to go. The combination of the official PostgreSQL docs, Stack Overflow, and the Ubuntu community means you are always going to have a resource to find out what is going on and fix a solution.

The impact of PostgreSQL on Ubuntu has been felt in a few key areas, with cost savings being the most direct one. We are not paying for someone to manage our databases, like [RDS](#), other subscriptions, or any other services. We are cutting costs so infrastructure can scale, and our prices are not scaling with it. That is a significant deal, especially for an engineer, someone that provides applications for other companies. You want to be able to be very competitive with your pricing. Using PostgreSQL and Ubuntu together really saves and it is really cost-efficient. There is also faster project delivery because our whole team is already familiar with PostgreSQL. We do not lose time evaluating or learning a new database. We can hop right in and get the customer taken care of.

Then we reduce stack complexity. As I mentioned, JSON consolidates it from two databases down to one from several projects. You do not have to use all these different databases and try to connect all these; one place, one stack, and you are good to go. Client confidence is another factor; when we tell clients their data is on PostgreSQL, which powers companies such as Instagram and Spotify at massive scales, they feel good about it. They know that if this billion-dollar company can use this, they are definitely going to use this. Then, team scalability becomes easier; if PostgreSQL is what you have the skills to do, you can bring a whole team together and get massive projects done without feeling overwhelmed, unlike other complex databases. Overall, it is leaner, faster, and more cost-effective.

The JSONB support has made the biggest difference for us. Before we started using it, we had a real problem with client projects that had the flexibility of varying data structures. We were either cramming everything into rigid relation columns, which led to a lot of nullable fields, or we were spinning up separate DB instances in MongoDB to PostgreSQL, which meant managing two databases, two connections, two backup strategies. It added real complexity, was time-

consuming, and increased costs. Once we started using the JSON columns, the whole problem went away. We could store structured relational data and flexible metadata in the same database. For example, in one project, each client record had a standard set of columns, such as name, email, and created date, but then the JSON column called preferences stores whatever the client configuration looks like. Client preferences can be slightly different and change over time, but we can update them without any issues with migration. We are really impressed with how the query performance has improved since JSON is stored in a binary format, so PostgreSQL can index it with GIN indexes. We can perform fast queries that run seamlessly, even with ten thousand records.

In summary, PostgreSQL on Ubuntu represents something that is becoming rare in the software world, which is a mature, stable, genuinely free tool that does not have a commercial agenda pushing you toward a paid tier or a vendor locking strategy. Everything we have discussed today, including JSON support, reliability, performance tuning, and extensions, is available to anyone who wants to learn at no cost. That is remarkable compared to an enterprise database vendor's charges. For anyone running a small to mid-size development operation or any organization with developers comfortable managing their own infrastructure, PostgreSQL is the default right answer for a relational database. The question should not be why PostgreSQL or Ubuntu; it should be why not. It has provided a solid foundation for our business, and I recommend it without hesitation.

My advice for others looking into using PostgreSQL on Ubuntu is to not skip the initial configuration. I would rate PostgreSQL on Ubuntu a nine out of ten overall..”

Michael_Michael
CEO at Grant Corporation

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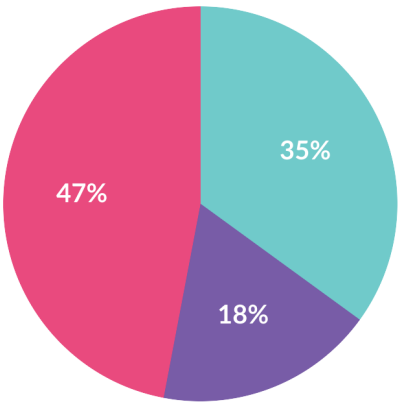
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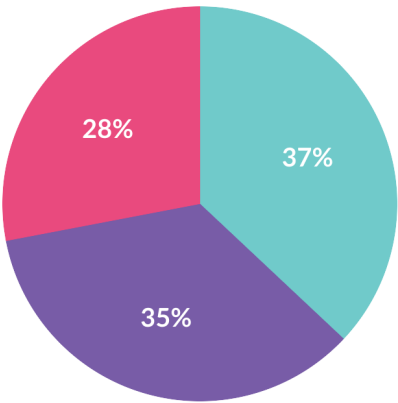


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+1 646.328.1944