Nutanix and Postgres Professional

Manage your enterprise data and information in the most advanced open-source database with Postgres Professional and Nutanix

SOLUTION OVERVIEW

Together Nutanix and Postgres Professional deliver end-to-end solutions for PostgreSQL open-source DBMS. Here are the top features of the joint solution:

- Easy to design and deploy: leverage sizing tools and reference designs to go from concept to production as much as 30X faster than traditional approaches.

- One platform for all: Consolidation on to a single solution with predictable scalability delivered by Nutanix's web-scale architecture

- Enterprise-level database solutions based on community-developed PostgreSQL with improved performance, security and reliability

"Postgres Pro DBMS has helped large corporations from a variety of industries cope with modern challenging workloads. We expect that Nutanix customers will benefit from our high-performance fully managed and supported database solution enhancing the functionality of the community-developed PostgreSQL."

–Oleg Bartunov, CEO Postgres Professional

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. Nutanix has helped large and small IT organizations simplify their datacenter and gain predictable performance, linear scalability, and cloud-like infrastructure consumption.

Postgres Professional specializes in database development, 24x7 support, and expert consulting services for PostgreSQL. The company contributes to the open-source PostgreSQL project and offers its own Postgres Pro DBMS, a private, fully supported version of PostgreSQL that provides early access to new PostgreSQL features and optimizations, including security enhancements and performance improvements. Postgres Professional assists with data migrations, conducts PostgreSQL training, and helps developers and DBAs get certified for PostgreSQL careers. For more information on Postgres Professional and Postgres Pro DBMS, visit https://postgrespro.com/.

TECHNICAL DETAILS

Nutanix solutions natively converge server and storage resources into a single, software-defined appliance that comes ready to run all enterprise applications, at any scale. Built on a distributed web-scale architecture, a single Nutanix hyperconverged appliance can simultaneously run different workloads, including enterprise databases and applications, VDI, and big data workloads.

Postgres Pro DBMS comes in two variants, Postgres Pro Standard & Postgres Pro Enterprise. Postgres Pro Standard Database comes with SQL and NoSQL support in a single high-performing and reliable solution. Many features become available in Postgres Pro Standard one year before they are committed to community-developed PostgreSQL. Postgres Pro Enterprise is a commercial version of the Postgres Pro Standard DBMS. It contains all the features of open-source PostgreSQL, Postgres Pro Standard enhancements as well as additional improvements and extensions for large-scale, high-performance database setups with strict reliability and latency constraints.

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TECHNICAL RESOURCES

- Postgres Pro Enterprise Explainer Video
- Postgres Pro Enterprise 12 Documentation
- Postgres Pro Standard 13 Documentation

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Solution highlights for Postgres Pro Enterprise

- Data compression at the database block level to minimize the data footprint and increase performance.

- High-performance, scalable, fault-tolerant shared-nothing cluster (multi-master) with synchronous logical replication and single-digit seconds failover time.

- Incremental backup with consistency checks for increased data protection and simplicity, even with terabytes of data.

- In-memory data processing for faster processing of critical data.

- Advanced task scheduler for complex processing of data based on specific schedules or events.

- ML-based adaptive query planning for increased adaptability to particular information structures and data value distribution.

- Effective table partitioning for 1000+ partitions for simpler management and faster processing of large volumes of data in the database.

GET STARTED

Nutanix and Postgres Professional are committed to our customers' success. We offer a wide range of services, around design, deployment, and optimization, as well as custom services tailored to customers' needs. Turn to Postgres Professional for advanced expertise in PostgreSQL, and enjoy our Nutanix-ready DBMS software.

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