IntelliDB Enterprise Database R16.0.01

IntelliDB Enterprise is an AI-enabled, scalable, and secure database solution based on open-source PostgreSQL. Tailored for enterprise environments, IntelliDB stays synchronized with PostgreSQL and offers advanced features such as enterprise-grade security, enhanced performance, DBA support, manageability, and compatibility with Oracle® databases and legacy applications. It is ideal for mission-critical workloads with flexible deployment options and extensive services to effectively scale PostgreSQL.

Key Features

IntelliDB Enterprise provides tools for high availability, disaster recovery, database management, migration, integration, and 24/7 support, easing the administrative load on DBAs.

Artificial Intelligence: Core component in AI-driven applications, enhancing data management, processing, and analysis.

Cloud: Available on AWS, Azure, Google Cloud with preconfigured instances.

Security: Offers encryption, role-based access control, SCRAM-SHA-256 authentication, LDAP, Active Directory, RADIUS, certificates, and auditing.

Monitoring & Support: 24/7 DBA services, proactive monitoring, and rapid issue resolution across environments.

Developer Tools: For high availability, disaster recovery, management, migration, and performance diagnostics.

Compatibility: Seamless integration with PostgreSQL tools.

Documentation & Training: Includes extensive resources, training, and support.

Flexible Indexing: Supports diverse data types and access methods.

Parallel Processing: Enables parallel query execution and indexing.

JSON Support: Efficient handling of JSON data.

Custom Data Types: Define specific data types and aggregates.

Direct PostgreSQL Connection: Insights on upgrades and direct access to experts.

No Lock-in: Ensures seamless data movement.

Technical Specifications

Data Model: Relational Database Management System (RDBMS).

Supported Data Types: Numeric, text, binary, JSON, XML, and custom data types.

Storage Capacity: Supports multi-terabyte databases with horizontal and vertical scaling capabilities.

Query Language: SQL with support for PostgreSQL extensions, including PL/pgSQL, JSON, and more.

Indexing: Supports Btree, hash, GiST, SPGiST, GIN, and BRIN indexing.

Replication: Includes synchronous and asynchronous replication, with streaming and logical replication options.

Backup & Recovery: Point In Time recovery (PITR), online backups, and integrated backup tools.

Security: SSL/TLS encryption, data masking, fine grained access controls.

Performance: Optimized query planner, parallel processing, and advanced caching strategies.

Compatibility: Compatible with Linux, Windows, macOS; integrates with PostgreSQL tools like pgAdmin and PostGIS.

Deployment Options

On-Premises: Customizable deployment with full hardware control.

Cloud: Available on AWS, Azure, Google Cloud.

Hybrid: Integrates on-premises and cloud infrastructures.

Benefits

Boost Efficiency: Improves database performance with table partitioning, query optimization, and index creation.

Enhanced Operations: Supports flexible infrastructure and multi-cloud management.

Security: Robust security features align with company policies for data safety.

Cost-Effective: Open-source licensing reduces costs versus proprietary databases.

Easy Deployment: User-friendly processes minimize downtime and speed up time-to-market.

24x7 Support: Continuous expert support ensures optimal performance.

Support and Services

Technical Support: 24x7 enterprise-grade support with dedicated account managers and fast response times.

Professional Services: Includes installation, migration, performance tuning, and custom development.

Training: Comprehensive programs for DBAs and developers, with certification options.

Proactive Monitoring: Monitors CPU, memory, connections, replication, and more.

Rapid Issue Resolution: Issues often resolved before impacting operations, with urgent issues addressed within minutes.

Expert DBA Assignment: Dedicated primary DBA familiar with your environment.

Comprehensive Expertise: Skilled in managing cloud, on-premises, and hybrid environments.

Subscription Models

Features	Platinum Plan	Enterprise Plan	Standard Plan
Security and Performance Capabilities for Enterprises	✓	✓	X
IntelliDB Enterprise Server	✓	✓	X
Cloud Deployment	✓	✓	X
AI-Enabled	✓	✓	X
Open-source PostgreSQL	Platinum Plan	Enterprise Plan	✓
High Availability	✓	✓	✓
Monitoring	✓	✓	✓
Backup and Recovery	✓	✓	✓
Encryption	✓	✓	X
Support Type	Premium	Production	Production
24 hours x 7 days	✓	✓	✓
Remote DBA	✓	✓	X
Severity 1 Call Response Time	05 minutes	10 minutes	20 minutes
Severity 2 Call Response Time	15 minutes	20 minutes	30 minutes
Severity 3 Call Response Time	30 minutes	40 minutes	60 minutes
Severity 4 Call Response Time	02 hours	24 hours	48 hours

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