IntelliDB Enterprise

Database R17.0

OVERVIEW

IntelliDB Enterprise is a Powerful, AI-Driven Database Platform Built on Open-Source PostgreSQL, customized for Enterprise-Grade Security, Performance and Scalability. It enhances Core PostgreSQL with Enterprise-Level Support, Integration with Oracle, MongoDB, Hadoop and Machine Learning Frameworks, Real-Time Analytics and Cloud-Native Deployment. Designed for Mission-Critical Workloads, IntelliDB enables organizations to move from raw data storage to Real-Time Intelligence—Efficiently, Securely and without Vendor Lock-In.

WHY CHOOSE IntelliDB?

- **Open-Source Core:** Built for Scale and Enterprise on proven strength of PostgreSQL

- **Enterprise Security:** Secure-By-Design with Advanced Identity & Access Controls

- **Cost Efficiency:** No Proprietary Licensing; Low TCO

- **Zero Lock-In:** Easy Migration; No Vendor Dependence

- **24/7 Expert Support:** Proactive DBA services with <5 Min Critical Issue Response

- **Real-Time AI Integration:** In-database ML support with PL/Python & Vector Search

KEY CAPABILITIES

AI-Optimized Engine:
Automated Indexing, Query Optimization and Parallel Execution Powered by Embedded AI Modules.

AI Capabilities for Intelligent and Proactive Management, Encompassing: Smart, Detailed Analysis and Identification of Performance Issues and Anomalies; Forecasting of Performance Trends and Potential Problems; Automated, Workload-Driven Indexing for Continuous Optimization and Real-Time Detection and Notification of Unusual Behavior, Performance Deviations and Security Threats, Enabling Efficient Operation and Rapid Response.

AI Developer help to Kickstart the Creation of Intelligent AI-Driven Applications, Speeding up App Development, such as Chatbots for Enhanced User Interaction and Recommendation Engines for Personalized Experiences.

Enterprise-Grade Security: End-To-End Encryption, RBAC, LDAP/AD Integration, Certificate-Based Authentication and Detailed Audit Trails.

Cloud-Ready & Flexible Deployments: Run IntelliDB On-Premises, In Containers or On AWS, Azure or Google Cloud with Hybrid and Multi-Cloud Support.

Compatibility: Supports Legacy Oracle® App Migration with Minimal Rewrites—Greatly Accelerating Modernization.

Advanced Extensions: Includes TimescaleDB for IoT/time series, PostGIS for Geospatial, PGVector for AI/ML Embeddings.

DEPLOYMENT OPTIONS

Cloud: Pre-Configured Images for AWS, Azure and GCP.

Hybrid: Distribute Workloads with Centralized Control and Secure Synchronization.

Achieve Unparalleled Agility and Scalability by Deploying Seamlessly Across your Infrastructure with Full Support for Docker Containerization and Kubernetes Orchestration.

CORE ARCHITECTURE FEATURES

Bidirectional Replication: Enables Active-Active Multi-Master Replication for High Availability and Low-Latency Access.

Incremental Backups & PITR: Efficient Recovery with Minimal Storage Overhead.

Logical Replication & Failover Support: Streamlined Upgrades and Replication Continuity Post-Failover.

Custom Data Types & Aggregates: Model Domain-Specific Logic Directly into the Database.

Flexible Indexing: B-Tree, GiST, BRIN and SP-GiST for Tailored Performance.

Parallel Query Execution: Optimized Analytics Performance Across Large Datasets.

Scalable Storage: Multi-Terabyte Capacity with Horizontal and Vertical Scaling.

PLAN SUITABILITY

Standard: Ideal for Small to Medium-Sized Businesses Requiring Essential Database Features with Cost-Effective Solutions. Suitable for Development and Testing Environments where High Availability is Necessary but without Advanced Capabilities.

Enterprise: Designed for Medium-To-Large Enterprises Needing Reliable Performance, Security Features and Scalability. Suitable for Production Environments and Organizations with Compliance Requirements.

Platinum: Best Suited for Large-Scale Enterprise Deployments with Complex Database Needs and High Transaction Volumes. Offers Advanced Data Analytics, AI-driven Capabilities and Supports Global Operations Requiring Consistent Performance Across Multiple Geographies.

PLANS AND SUPPORT TIERS

FEATURES	PLATINUM	ENTERPRISE	STANDARD
Security And Performance Capabilities For Enterprises	✓	✓	✗
IntelliDB Server	✓	✓	✗
Cloud Deployment	✓	✓	✗
AI-Enabled	✓	✓	✗
AI Insights	✓	✗	✗
Pro AI	✓	✗	✗
Open-Source PostgreSQL	Platinum Plan	Enterprise Plan	✓
High Availability	✓	✓	✓
Active-Passive Replication	✓	✓	✓
Active-Active Replication	✓	✓	✗
Monitoring	✓	✓	✓
Diagnostics And Tuning	✓	✓	✗
DB Expert	✓	✓	✗
DB Analyser	✓	✓	✗
Backup And Recovery	✓	✓	✓
Performance Testing	✓	✓	✗
Enhanced Auditing	✓	✓	✗
Redaction	✓	✓	✗
Encryption	✓	✓	✗
Compression	✓	✓	✗
Support Type	Premium	Production	Production
24 Hours X 7 Days	✓	✓	✓
Remote DBA	✓	✓	✗
Severity 1 Call Response Time	05 Min	10 Min	20 Min
Severity 2 Call Response Time	15 Min	20 Min	30 Min
Severity 3 Call Response Time	30 Min	40 Min	60 Min
Severity 4 Call Response Time	2 Hrs	24 Hrs	48 Hrs

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