



IntelliDB Enterprise – 17.x Enterprise Plan

Empowering Data With Intelligence

IntelliDB Enterprise 17.x is a Next-Generation AI-powered Database built on PostgreSQL 17, designed for Enterprises that demand High Performance, Intelligent Automation and Enterprise-Grade Security. IntelliDB is a powerful database monitoring solution, designed to simplify database management, optimise performance and enhance security. It combines AI-Powered Optimization, Self-Healing Automation, Cloud-Native Scalability and Advanced Developer tools to deliver a fully Autonomous and Secure Database experience across On-Premise, Cloud or Hybrid Environments.

Why Choose IntelliDB?

- AI-driven Query Optimization and Performance Insights.
- Self-Healing Architecture through Remediation Engine. Native and auto vacuum.
- Class-I (OEM) - MII Compliant.
- Built-in HA, Replication & Failover. Server side connection pooling provided.
- Secure and Compliant by Design (Encryption, Auditing, Redaction).
- Fully Compatible with PostgreSQL Workloads like Native JSON & JSONB with extensible architecture.
- 24x7 Enterprise Support and SLA-Backed Assistance.

Key Capabilities

- ✓ Query Tuning / Detailed query analytics to identify slow queries and optimised performance.
- ✓ AI Log Analyzer for Proactive Anomaly Detection.
- ✓ Centralized Monitoring Dashboard with Performance Metrics.
- ✓ Active-Active and Active-Passive Replication support. Native warm & Hot standby via streaming replication.
- ✓ Built-in Diagnostics capabilities.
- ✓ Backup, Point in Time Recovery and Performance Testing Suite.
- ✓ Vector Extension for AI and ML Data Workloads.
- ✓ Migration Toolkit for Oracle, MySQL and MSSQL Transitions.



Deployment Options

- ✓ **On-Premise**
Secure and Fully Controlled Infrastructure
- ✓ **Cloud**
Supported on AWS, Azure and GCP
- ✓ **Hybrid**
Combine On-Premise Reliability with Cloud Scalability
- ✓ **Containerized**
Optimized for Docker and Kubernetes Environments

Each Deployment Delivers Scalability, Flexibility and Intelligent Resource Management

Core Architecture Features

- PostgreSQL 17 Core Enhanced with AI & Automation Layers
- Patroni + etcd + HAProxy for High Availability Management
- Asynchronous I/O and Parallel Query Execution
- Remediation Engine for Self-Healing Operations
- Advanced Query Tuning powered by AI insights
- Role-Based Access Control (RBAC) & OAuth 2.0 Authentication
- Enhanced WAL Architecture for Faster Recovery
- Monitoring APIs for Observability and Integration

Extended Capabilities

- Single engine handles OLTP, OLAP, clustering with parallel query and partitioning for analytical workloads and HA clustering.
- Built-in support for full text-search.
- Easily integrates with external data sources and provides out of the box connectivity to AI/ML platforms.
- Native user authentication with SCRAM-SHA-256 password authentication & external authentication via pg_hba conf - LDAP, GSSAPI, RADIUS and certificate methods.
- Built-in functionality to display replication lag in bytes and to display wrap around information.
- MVC concurrency.
- Native declarative partitioning.
- In-Built memory caching.
- High ANSI / ISO SQL - standard conformance.
- Advanced SQL Editor for Developers and DBAs.
- Native support for procedural languages like PL/pgSQL, PL/Python, PL/Perl, PL/Tcl, PL/V8 & PL/Rust

Please Note: IntelliDB product variants are available in both perpetual and subscription models.

Plans and Support Tiers – IntelliDB Enterprise 17.x

Feature	Enterprise
IntelliDB Enterprise Server	✓
Dashboard & Real-Time Monitoring	✓
Cloud Deployment	✓
Performance Reports & Exporting	✓
Query Tuning Engine	✓
Backup & Recovery	✓
High Availability	✓
Active-Passive Replication	✓
DB Expert / Analyzer with AI Insights	✓
Active-Active Replication	✓
GUI based Query and Schema Designer	✓
Custom Alert Rules with Escalation Policies	✓
GUI based Enterprise Security Manager	✓
Data Masking & Redaction	✓
Auto Encryption & Compression	✓
GEO Spatial Data (GIS) Support	✓
In-Memory DB	✓
24/7 Availability	✓
Remote DBA Services	✓
Severity 1 Call Response Time	10 min
Severity 2 Call Response Time	20 min
Severity 3 Call Response Time	40 min
Severity 4 Call Response Time	24 Hours

Disclaimer: The above plans do not include AI Engine, the users have the option to use their own.



IntelliDB Enterprise 17.x Overview

1 AI Intelligence Layer

IntelliDB 17.x introduces a Next-Generation AI Intelligence Layer Deeply Integrated into PostgreSQL 17's Query Planner and Optimizer.

2 Self-Healing Remediation System

The new Remediation Engine empowers Automatic Detection and Correction of Performance Degradation.

3 PostgreSQL 18 Foundation — Core Enhancements

IntelliDB Enterprise 17.x is powered by the latest PostgreSQL 17, delivering Significant Performance, Scalability and Developer-Friendly Improvements.

4 Advanced SQL Editor & Developer Tools

An intelligent and Modernized SQL Workspace built for Speed and Accuracy.

5 AI Log Analyzer — Real-Time Threat & Anomaly Detection

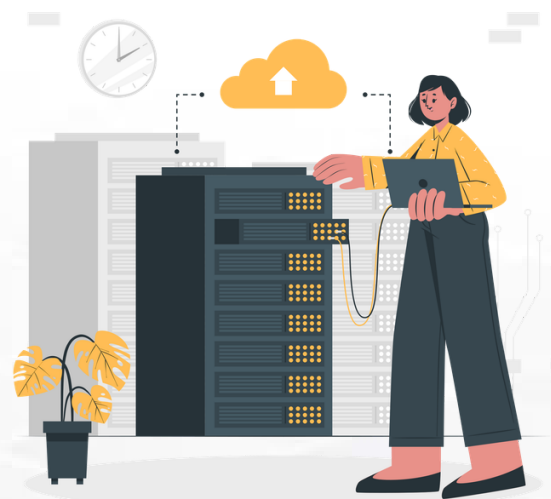
Next-gen AI-based log analysis and Anomaly Detection.

6 Unified Monitoring & AI Insights Dashboard

Re-engineered monitoring layer designed for Hybrid Environments.

7 Enterprise Security Reinforcement

Security in IntelliDB 17.x is built to align with Enterprise Compliance.



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IntelliDB Enterprise Private Limited

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