



Red Hat Ansible Automation Platform and EDB Postgres[®] AI

Business value

Maximize operational efficiency and enterprise resilience by combining **Red Hat Ansible Automation Platform** with **EDB Postgres AI**. As the leading contributor to the Postgres[®] community, EnterpriseDB (EDB) provides the deep expertise required for future-proof, mission-critical deployments. By leveraging **automated deployment powered by familiar Ansible tools**, you can provision and configure entire production-ready high-availability (HA) clusters—including the operating system and failover management—based on **validated reference architectures**.

This integration eliminates the complexity of manual setup and prevents configuration drift, drastically accelerating time-to-value. By automating routine database operations and providing a **resilient foundation for continuous availability**, this partnership frees DBA teams to focus on high-impact data innovations that drive competitive advantage.

Driving customer value

Leading PostgreSQL expertise and enterprise support: EDB's 20+ years dedicated exclusively to Postgres ensures the industry's deepest expertise and platform stability. As the leading project contributor (contributing more code than the next nine combined), we guarantee true open source innovation, future-proofing, and stability, backed by mission-critical 24/7/365 operational support.

Strategic professional services and automation: EDB's global services team standardizes, optimizes, and scales your critical Postgres infrastructure. We design efficient automation frameworks (including deep integration with platforms such as Red Hat Ansible Automation Platform) that empower internal DBAs to focus on high-value strategic projects.

Rapid enterprise platform adoption and standardization: Expedite time-to-value leveraging EDB's validated deployment strategies and best practices. Our experts enable swift adoption, standardizing EDB capabilities and integrating seamlessly into existing infrastructure automation pipelines for rapid productivity gains.

Validated HA and enterprise resiliency: Provide continuous operations and protection for your most critical data assets. EDB specialists rigorously test robust HA/DR architectures, delivering validated replication and automatic failover solutions that help meet stringent uptime and regulatory compliance requirements.

Key capabilities

The power of Red Hat Ansible Automation Platform and EDB's deep enterprise Postgres expertise delivers modern data management and unparalleled operational agility across your entire PostgreSQL estate.

EDB provides the essential foundation of stability. As the leading contributor to the Postgres open source project, EDB backs your deployments with mission-critical 24/7 technical support and world-class professional services. This strategic guidance is vital for complex, large-scale database environments and simplifies the adoption of high-performance open source Postgres solutions.

Red Hat Ansible Automation Platform serves as the indispensable orchestration layer, providing standardization and highly repeatable deployment and reliable scaling. It streamlines complete PostgreSQL lifecycle management—from day 1 provisioning to day 2 operations—dramatically reducing operational overhead and eliminating manual bottlenecks that typically plague database administrators (DBAs).

This integration provides reliability and high performance at scale. By leveraging EDB's inherent Postgres enterprise features, including integrated high availability for maximum uptime, organizations can accelerate time-to-value and realize substantial cost efficiencies through automated operations. Embrace this integration to forge a highly resilient, expertly supported data infrastructure powered by EDB and Red Hat Ansible Automation Platform.

Solution overview

IT modernization relies on operational consistency and scalable automation. While PostgreSQL is an ideal foundation for innovation, scaling it for mission-critical enterprise use introduces significant hurdles. Attempting high-performance deployments across complex hybrid and multi-cloud environments can result in inconsistent configurations, performance instability, and operational overhead that undermines automation goals.

The operational gap inherent in community PostgreSQL compounds this challenge. Relying solely on open source tools for mission-critical workloads without reliable enterprise expertise introduces unacceptable instability and performance risk. This operational friction hinders platform maturity, preventing teams—even those leveraging configuration management such as Ansible Automation Platform—from achieving guaranteed, repeatable deployments.

The solution is operational certainty, delivered through unparalleled expertise. EDB bridges the operational gap, providing the deep knowledge and engineered solutions necessary to successfully automate and scale PostgreSQL everywhere. As the premier contributor to the PostgreSQL project—contributing more than the next nine top contributors combined—we ensure unrivaled stability and core innovation. This integration, featuring advanced high availability and enterprise deployment tools, delivers the streamlined, consistent operations and superior maturity required to accelerate innovation.

Business challenge

- **Substantial TCO reduction through operational excellence:** Realize significant cost savings by optimizing existing deployments. EDB Professional Services accelerates standardization and streamlines deployment architectures, rapidly freeing strategic capital.
- **Rapid, consistent provisioning via enterprise automation:** Achieve true enterprise agility with standardized, ready-to-deploy frameworks. EDB ensures automated provisioning and rapid scaling across hybrid cloud, container, and bare metal, integrating seamlessly with existing toolchains.
- **Optimized operations and minimized DBA overhead:** Eliminate routine operational burden using expert guidance and specialized Postgres tools. EDB delivers the foundation for efficient standardization, fully automated maintenance, and seamless integration of enterprise high availability and disaster recovery (HA/DR).
- **Architectural freedom built on true PostgreSQL leadership:** Ensure long-term strategic control by standardizing on true open source PostgreSQL. EDB is the top contributor to PostgreSQL, which provides you with robust technical integrity, continuous innovation, and vendor-agnostic freedom.
- **Decades of mission-critical enterprise support and expertise:** Rely on the pioneers of enterprise Postgres. EDB delivers world-class, 24/7 technical coverage backed by robust service-level agreements (SLAs). Its integrated Professional Services ensures the reliability and long-term success of your mission-critical environments.

Technical architecture

EDB is the definitive source for enterprise PostgreSQL support, providing world-class professional services tailored for mission-critical deployments. Our expertise is unmatched: We contribute more code to the core PostgreSQL project than any other organization. EDB provides the operational integrity, compliance, and peak performance required by the world's most demanding Postgres implementations.

Achieve unprecedented operational consistency and simplified management through deep integration with the **Red Hat Ansible Automation Platform**. EDB delivers certified playbooks that automate the entire database lifecycle, streamlining critical stages from rapid, standardized hybrid cloud deployment and scaling to essential patching and maintenance. This provides standardization and minimizes manual errors. Furthermore, for mission-critical applications, EDB offers advanced high-availability solutions engineered to deliver resilience and near-zero downtime across all Postgres instances.

Conclusion

Maximize operational efficiency and enterprise standardization by integrating the **Red Hat Ansible Automation Platform** with **EnterpriseDB's** premier PostgreSQL expertise. This unified approach helps eliminate manual complexity, delivering consistent, reliable database operations across the entire infrastructure footprint.

Red Hat Ansible Automation Platform acts as a powerful deployment and orchestration engine for EDB Postgres environments. By leveraging EDB's validated reference architectures, Ansible Automation Platform automates the setup of production-ready clusters, including operating system configuration, high availability, and failover management. This integration ensures highly secure, consistent deployments and simplifies disaster recovery workflows, drastically accelerating time-to-value while providing a resilient foundation for mission-critical database infrastructure.

Deploy and manage mission-critical workloads with confidence. EDB is the premier source for enterprise Postgres. Organizations can leverage decades of dedicated expertise via world-class professional services and 24/7 enterprise support, ensuring that deployments are optimized, secure, and compliant. This integration delivers superior performance, true vendor neutrality, and the operational agility required to accelerate innovation.



EDB Postgres AI is the first open, enterprise-grade sovereign data and AI platform, with a secure, compliant, and fully scalable environment, on premises and across clouds. Supported by a global partner network, EDB Postgres AI unifies transactional, analytical, and AI workloads, enabling organizations to operationalize their data and LLMs where, when, and how they need them. For more information, visit www.enterprisedb.com