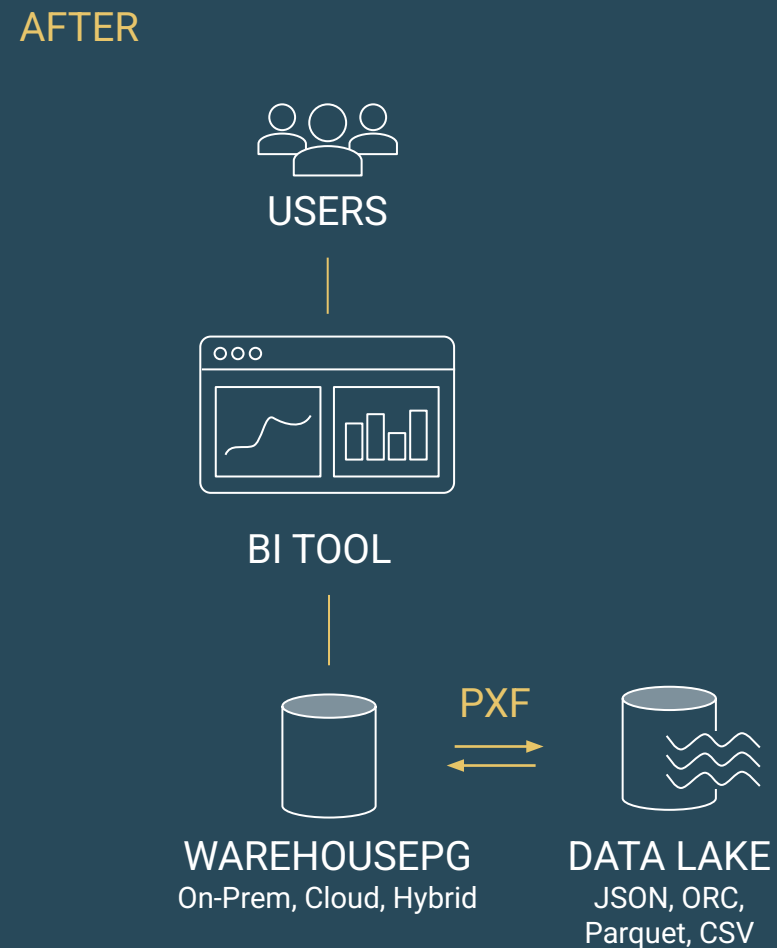
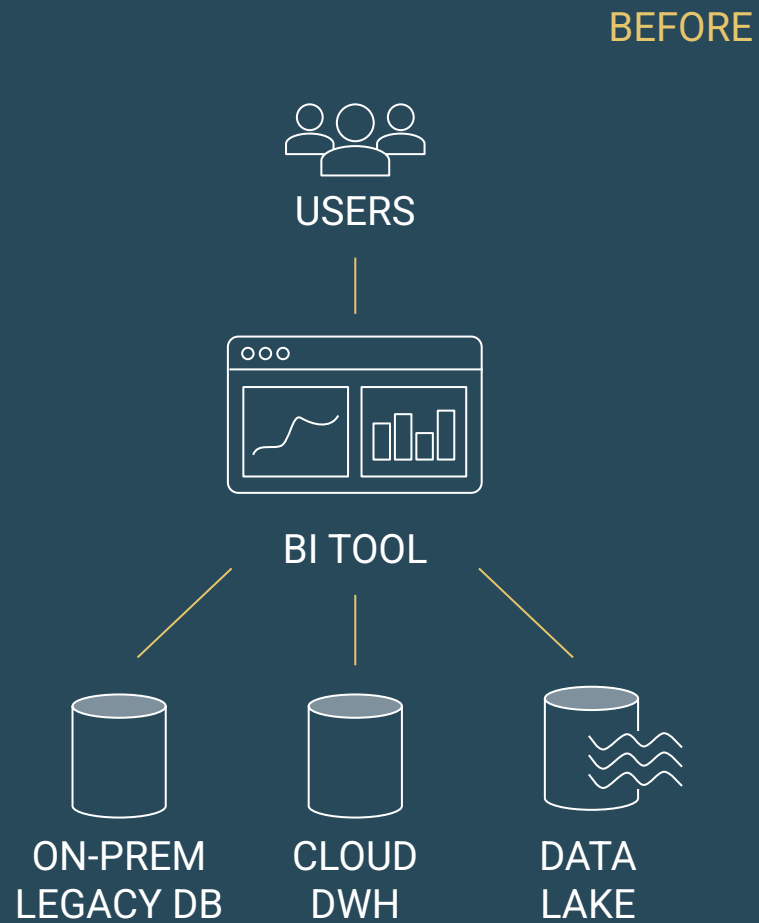


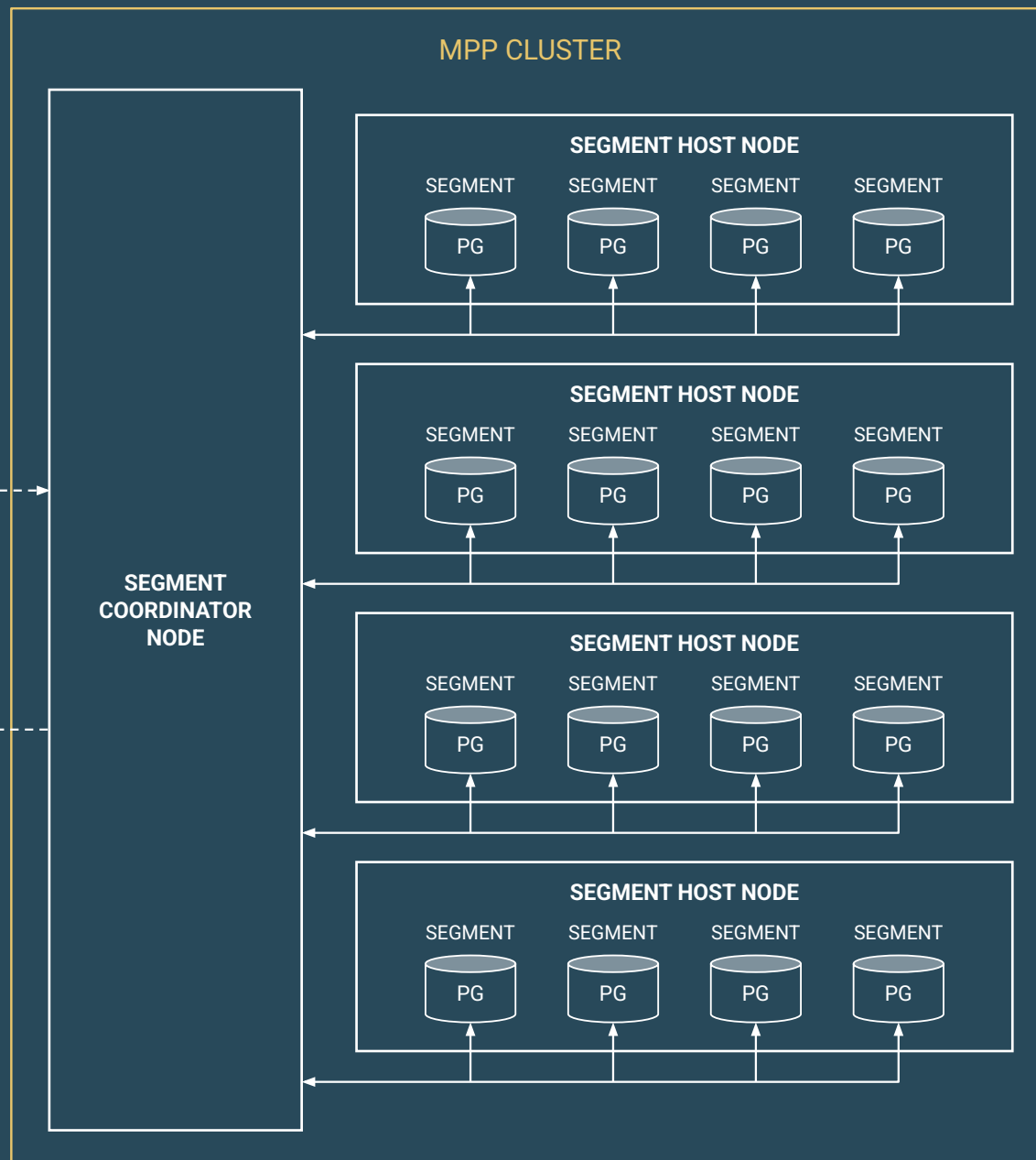
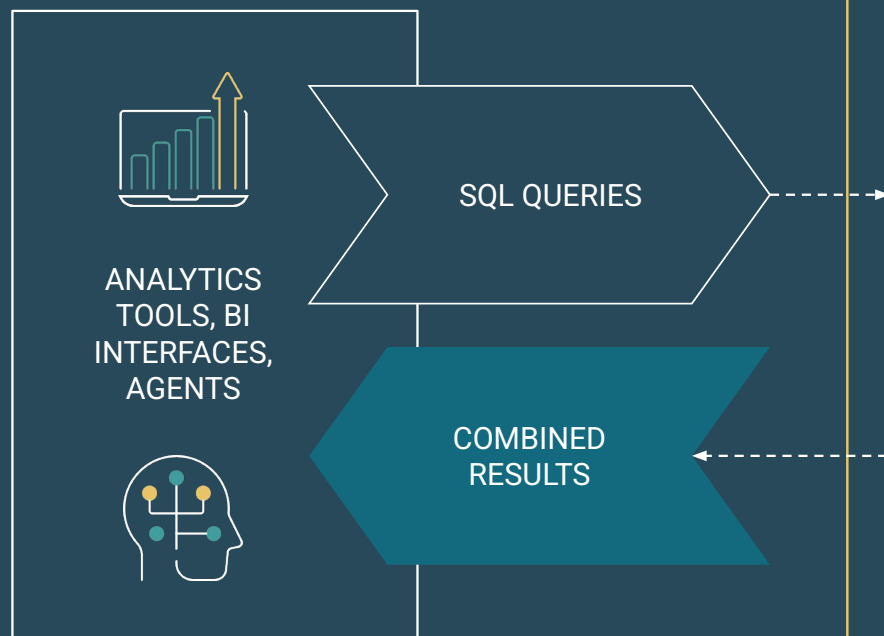


Reliable Analytics at Scale with WarehousePG: Overcoming the Concurrency Bottleneck

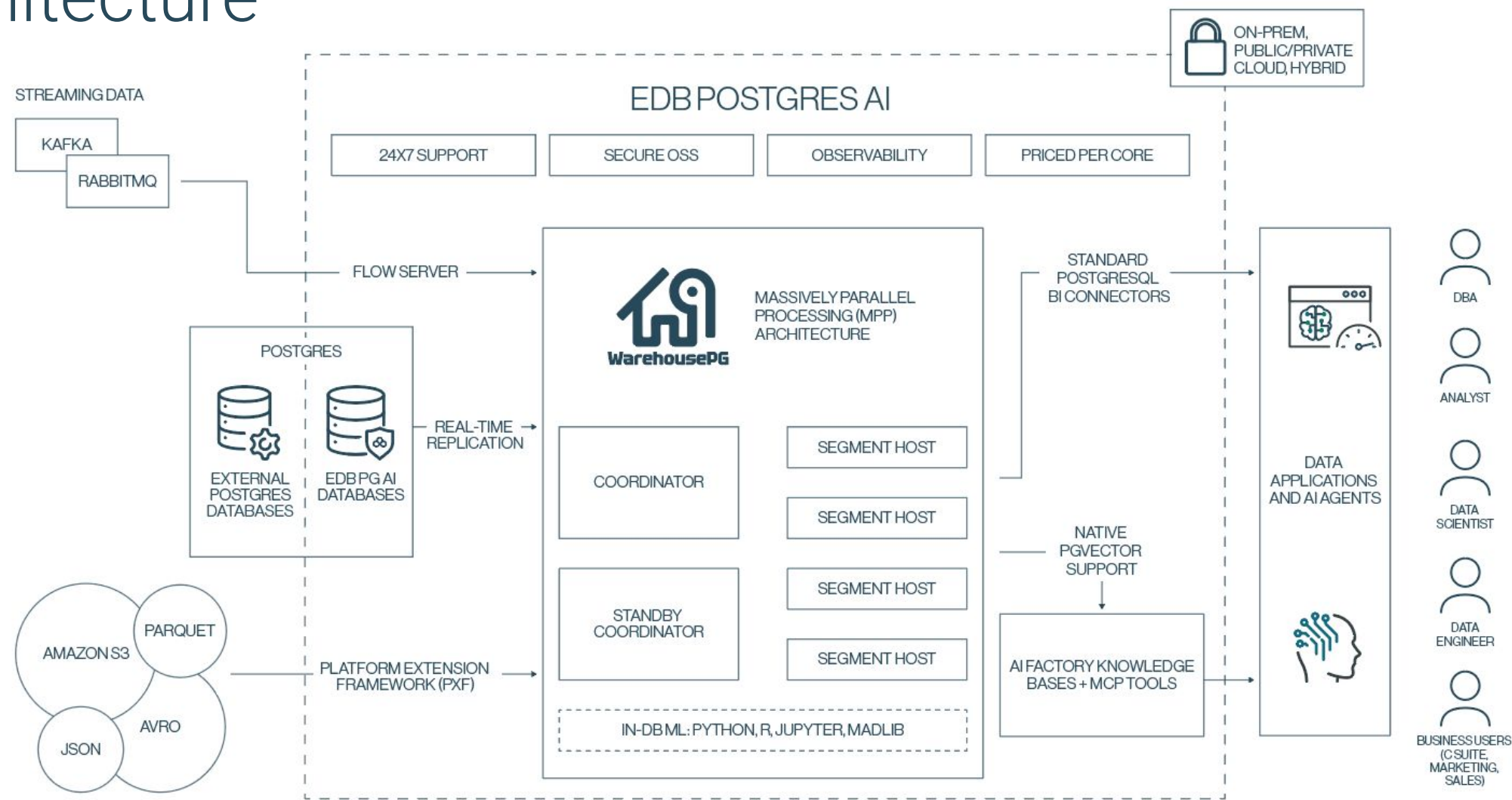
WAREHOUSE ANALYTICS Demo Architecture



WAREHOUSEPG MPP Architecture



EDB POSTGRES AI (EDB PG AI) FOR WAREHOUSEPG Architecture



EDB PG AI FOR WAREHOUSEPG Architecture



Enterprise Data Platform Modernization

- **Postgres and Greenplum Compatibility:** SQL parity, binary compatible with Greenplum
- **MPP Architecture:** Petabyte-scale analytics with a Postgres core.
- **Deployment Flexibility:** Cloud, on-prem, hybrid
- **24x7 Support:** Transition confidently with support from Postgres and WarehousePG committers.



High-Concurrency Business Intelligence

- **Platform Extension Framework (PXF):** Access Amazon S3, HDFS, etc. using standard SQL
- **Tiered Storage:** Cost- and performance-efficient hot/cold data management
- **Predictable Workload Management:** Workload isolation and prioritization with Linux cGroups V2



Real-Time Streaming and High-Volume Log Analysis

- **Real-Time Streaming Ingestion (Flow Server):** High-volume event ingestion from Kafka, RabbitMQ
- **High Availability and Fault Tolerance:** Automatic failure detection with Standby Coordinator/Mirror Segments
- **Integrated Security and Auditability:** RLS, column-level access, pgAudit



Advanced and Agentic Analytics

- **In-Database Machine Learning:** MADlib for SWL users, Python ML frameworks
- **Native Vector Capabilities (pgvector):** Semantic search across unstructured data
- **Model and Agent Interoperability:** AI Factory knowledge base integration for sovereign GenAI applications

Customer Story: Kyobo Book Centre

Reclaiming predictable cost and sovereignty



"We have been plagued by runaway costs for querying our 50TB cloud data warehouse. **EDB Postgres AI for WarehousePG will give us a way to rein in costs with superior performance** — and we can do it with total data sovereignty."

MR. JUNG, HEUNG SIK
HEAD OF IT SUPPORT, KYOBO BOOK CENTRE

Largest book retailer in South Korea

- Replicates from EDB PG AI Database to 50TB cloud DWH
- Repatriating workloads and improving cost-efficiency for daily, high-concurrency queries with WarehousePG



Customer Story: MNTN

Achieving enterprise stability for mission-critical ad tech



"The performance is there, the stability is there, the support is responsive as they should be. I'm just happy that there's somebody there that can be with me in the middle of the night and I'm not, quite literally, hacking open-source code trying to get the database recovered."

GREG SPIEGELBERG
HEAD OF DATA, MNTN

Performance advertising platform for connected TVs

- Production Cluster with 64 segments (500+ TB)
- Originally migrated from Greenplum to Cloudberry, but migrated to WarehousePG for its enterprise performance and stability

WATCH VIDEO >

Customer Story: Euronext FX

Eliminating vendor risk and reclaiming open source control



“We're excited to be working with EDB Postgres AI. Their Support for Greenplum Workloads is **helping us maintain control of where and how we deploy open source software.**”

GRIGORIY ZELENIIY
GLOBAL CTO, EURONEXT FX

Leading pan-European market infrastructure

- 5 global clusters processing 30B+ trades per day
- All clusters migrated successfully in <2 hours