

Level up with an enterprise solution

Gain competitive advantage with Apollo GraphOS. Equip your teams with a secure, high-performance GraphQL runtime and a centralized cloud management plane that drives collaboration and observability across your API landscape.

	Without GraphOS	With GraphOS
OPERATIONAL EFFICIENCY		
Hosted management plane Lower operational complexity and cost of managing the control plane	—	✓
Automatic schema deployments Integrate with the GraphOS platform to automatically rebuild the supergraph schema whenever changes are pushed to a subgraph, and deploy it to your router fleet	—	✓
External coprocessing Integrate your router with external coprocessors using a lightweight HTTP-based hook written in your programming language of choice	—	✓
Apollo Connectors for REST APIs Orchestrate any combination of REST and GraphQL APIs in just minutes	—	✓
Graph Artifacts Versioned, immutable schemas for stable and repeatable deployments	—	✓
Apollo GraphOS Operator Kubernetes operator for GraphOS runtime	—	✓
PERFORMANCE		
In-memory caching Cache to store generated query plans, automatic persisted queries (APQ) and introspection responses	✓	✓
Distributed caching Redis-backed caching for query plans and APQ	—	✓

	Without GraphOS	With GraphOS
Response caching Redis-backed caching for entities	—	✓
Query batching Support for client and subgraph query batching	—	✓
@defer support Improve performance by delivering fields incrementally	✓	✓
Federated GraphQL subscriptions Native support for multi-service GraphQL subscriptions	—	✓
SECURITY & GOVERNANCE		
CORS Control browser access to your router	✓	✓
CSRF prevention Prevent Cross-Site Request Forgery (CSRF) attacks in the router	✓	✓
Subgraph authentication Support for subgraph request authentication and key rotation via AWS Signature Version 4	✓	✓
JWT authentication Authenticate JWT tokens for incoming requests to your GraphOS Router, extract and validate JWT claims, and forward JWT to subgraphs	—	✓
Request authorization Enforce request authorization in the GraphOS Router by decorating schemas with the @requiresScopes, @authenticated, and @policy directives	—	✓
Operation limits Protect your graph from excessively complex operations by setting limits on depth, height, number of root fields, and number of aliases	—	✓
Persisted query safelisting Protect your production API by proactively safelisting trusted GraphQL operations in your GraphOS Router instances	—	✓

	Without GraphOS	With GraphOS
QUERY PLANNING		
Native query planner Improve performance and resource utilization of query planning with the new Rust-native query planner. Available in Router v1.49 and beyond	✓	✓
Federated queries & mutations Execute GraphQL queries and mutations across multiple subgraphs	✓	✓
OBSERVABILITY		
Telemetry and monitoring via OpenTelemetry Collect data about the inner workings of your router and export logs, metrics, and traces to your application performance monitoring (APM) and observability tools	✓	✓
Subgraph and Connector Insights	—	✓
Operation & field performance insights in GraphOS Studio See operation and field-level metrics for request volume, latency, and error rates	—	✓
Trace inspection in GraphOS Studio Get a detailed breakdown of resolver timing and error traces for each operation requested against your graph. See how responses are composed from underlying services.	—	✓
Custom Instruments Collect measurements with standard and custom instruments	—	✓
ENTERPRISE SUPPORT AND SERVICES		
Enterprise support 24x7x365 technical support SLAs	—	✓
Designated account team Access to Apollo SMEs to assist with onboarding, advanced implementations, schema design, and best practices	—	✓
Data processing agreement	—	✓

Ready for faster and secure API orchestration?

Connect with Apollo experts