

Elastic Infrastructure at Scale		
High Availability Ensure the dependable delivery of mission-critical data pipelines with high availability schedulers.	✓	—
Scale to 0 Deployments Schedule zero-cost downtime to optimize development deployment cost savings.	✓	—
Tasked-Optimized Worker Queues Schedule zero-cost downtime to optimize development deployment cost savings.	✓	—
Dynamic Workers Automatically adjust the number of worker nodes based on workload fluctuations.	✓	—
Astro API Enable programmatic interactions and provide schemas for updating infrastructure and managing access control.	✓	—
Set-up and Teardown Tasks Manage task resources with setup tasks for preparation and teardown tasks for dismantling, regardless of task success.	✓	✓
Enhanced Developer Productivity		
Astro CLI Run, parse, debug, and test DAGs on a local machine in a dedicated environment.	✓	✓
Cloud IDE Enable browser-based DAG writing, testing, and running while automating DAG generation to reduce boilerplate code.	✓	—
Branch-Based Deploys Create isolated development environments for running, testing, and deploying your DAGs.	✓	—
CI/CD Automate reliable code deployment, enforce reviews, promote code across environments, and ensure testing. Seamlessly integrated with your favorite CI/CD tools.	✓ Advanced	Limited
The Astronomer Registry Easily explore and use supported providers, modules, example DAGs, and tools within the Airflow ecosystem.	✓	✓

Increased Operational Efficiency		
Advanced Connection Management Streamline Airflow connections setup in a centralized location with a built-in, native solution provided by a secrets backend.	✓	—
Deployment Rollbacks Easily revert Airflow deployments to a known stable state in case of issues during an upgrade or DAG versioning changes.	✓	—
Upgrade Utilities Proactively identify and address common pitfalls and issues post-upgrade.	✓	—
In-Place Upgrades Upgrade Airflow while preserving DAGs, configurations, and data to minimize downtime and data loss risks.	✓	—
Cosmos Execute dbt Core within Airflow, transforming projects into Task Groups or complete DAGs.	✓ Advanced	Limited
Datasets Create explicit data dependencies, enable data-aware scheduling, and simplify cross-DAG interactions.	✓	✓
Visibility and Reporting		
Cross Deployment Visibility + Health Gain complete visibility of your DAGs and metadata across all of your Airflow deployments.	✓	—
Data-Centric Alerting Configure alerts based on DAG run and task states, receiving real-time notifications for proactive monitoring.	✓	—
Lineage Visualize task relationships and track data movement within workflows, including data movement in external systems.	✓ Advanced	Limited
Organizational Dashboards Gain comprehensive insights into your Astro usage, SLAs, deployments, and operations across your organization.	✓	—

Robust Enterprise-Grade Security		
Role-Based Access Control (RBAC) Implement granular and customized role-based access control across workspaces, teams, and deployment.	✓	Limited
Multi-Tenancy Utilizing workspaces and deployments, teams collaborate on their DAGs within isolated spaces.	✓	—
Private Networking Establish secure connections by VPC peering directly with your private networks.	✓	—
Compliance Readiness Meet SOC 2, GDPR, HIPAA, and PCI DSS security standards compliance.	✓	—
Secrets Management Automate secret management across Airflow deployments, ensuring a unified interface for seamless handling of secrets.	✓	—
Encryption Automatically encrypts all data, both at rest and in transit, including databases, file systems, and network transmissions.	✓	—
Committer-led Support		
24x7x365 Support Access to the world's leading Airflow experts and committers.	✓	—
Professional Services Customized, hands-on engagements to achieve your goals.	✓	—
Education, Enablement, and Certification Diverse training and certification options for building Airflow expertise across your organization.	✓	—

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