

MongoDB Atlas helps make it easier to deploy, operate, and scale a MongoDB database as a cloud-hosted MongoDB service on Amazon Web Services, Microsoft Azure, and Google Cloud

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Overview

MongoDB Atlas is a cloud-hosted MongoDB service on Amazon Web Services (AWS), Microsoft™ Azure, and Google Cloud. MongoDB Atlas helps make it easier to deploy, operate, and scale a MongoDB database, in many cases in just a few clicks.

MongoDB Atlas provides the features of MongoDB while automating database administration tasks, including:

- Database configuration
- Infrastructure provisioning
- Patches
- Scaling events
- Backups

This helps you deliver applications and new features quickly, and enables you to focus on what matters most to you and your clients.

MongoDB Atlas helps provide the following capabilities:

Always on and durable

With MongoDB Atlas, your self-healing clusters are made up of geographically distributed database instances to ensure no single point of failure, enhanced through multiregion fault tolerance by enabling cross-region replication. MongoDB Atlas also includes powerful features to enhance reliability for your mission-critical production databases, such as continuous backups and point-in-time recovery.

Secure from the start

MongoDB Atlas helps make it easy to control access to your database. Your database instances are deployed in a unique virtual private cloud (VPC) to ensure network isolation. Other security features include IP allowlisting or VPC peering, always-on authentication, encryption at rest, encryption in transit, sophisticated role-based access management, and more.

Fully automated and elastic

MongoDB Atlas automates infrastructure provisioning, setup, and deployment to enable your teams to get the database resources they need, when they need them. Patches and minor version upgrades are applied automatically. When you need to modify your cluster, whether to scale out or perform an upgrade, MongoDB Atlas enables you do so in as little as a few clicks with no downtime window required.

Key requirements

An internet connection

Planned availability date

August 25, 2020

Description

MongoDB Atlas

Launching an application on any database typically requires careful planning to ensure performance, high availability, security, and disaster recovery. For as long as you run your application, you have ongoing obligations that require deep expertise to continue to meet your operational goals. With MongoDB Atlas, most of this overhead goes away.

MongoDB Atlas gives you access to all of the MongoDB core features of the database, including:

- The latest feature set: MongoDB Atlas supports the two latest versions of MongoDB Server, with automatic patching and single-click upgrades.
- High performance: The MongoDB WiredTiger storage engine with compression and fine-grained concurrency control helps ensure that you can meet your most demanding service-level agreements (SLAs).
- Scalability: In as little as one-click, automated sharing for scale out, and zero-downtime scale up to larger instance types. You can provision terabytes of database storage, all on high performance solid-state drives (SSDs) with dedicated I/O bandwidth.
- Global clusters: Easily create and manage a single geographically dispersed database cluster that provides global, low-latency writes from anywhere in the world. MongoDB Atlas also supports global data distribution through cross-region replication, enabling multiregion fault tolerance and fast, responsive read access.
- Monitoring and alerts: Rapid visibility into the database and hardware metrics that matter, to help you stay ahead of any issues that could impact performance and user experience.
- Strong security: Ready-to-use protection of your most valuable data assets. Security features include Transport Layer Security (TLS)/Secure Sockets Layer (SSL) encryption, authentication, and authorization through Salted Challenge Response Authentication Mechanism (SCRAM); network isolation and VPC peering on AWS; IP allowlists; encrypted storage volumes; and the MongoDB Atlas console to manage database users.
- Highly available: A minimum of three data nodes per replica set are deployed automatically across availability zones (AWS), fault domains (Microsoft Azure), or Google Cloud Platform zones for continuous application uptime in the event of outages and routine maintenance.
- Workload Isolation: With MongoDB Atlas maintaining up to seven replicas of your data, you can concurrently run operational and analytical workloads across the same database, without resource contention.
- Disaster recovery: Fully managed backup service with continuous, consistent backups and point-in-time recovery, backed by custom retention policies.

The following are three configurations offered for MongoDB Atlas:

MongoDB Atlas Pro

Robust support:

- Schema design
- Application design
- Performance tuning
- Proactive issue detection, diagnosis, and troubleshooting
- Break/fix
- Customer success program
- 24 x 7 availability
- 2-hour SLA

Support for MongoDB Compass:

- Data visualization
- Full create, read, update, and delete (CRUD) with visual editor
- Visual explain plans
- Index management
- Document validation user interface (UI)

MongoDB Atlas Enterprise

Robust support:

- 24 x 7 availability
- 30-minute SLA
- Schema design
- Application design
- Performance tuning
- Proactive issue detection, diagnosis, and troubleshooting
- Break/fix
- Customer success program
- On-demand training through MongoDB University

Advanced tooling:

- Support for MongoDB Compass
 - Data visualization
 - Full CRUD with visual editor
 - Visual explain plans
 - Index management
 - Document validation UI
- BI Connector for Atlas:
 - Connect MongoDB to your business intelligence (BI) tool of choice
 - Run analytical queries on live MongoDB Data
 - No complex extract, transform, and load (ETL) processes

Enterprise security:

- Granular database auditing including Data Definition Language, Data Manipulation Language, and Data Control Language operations

- Lightweight Directory Access Protocol (LDAP) authorization and authentication
- Encryption key management

MongoDB Atlas Platinum

Robust support:

- 24 x 7 availability
- 15-minute SLA
- Schema design
- Application design
- Performance tuning
- Proactive issue detection, diagnosis, and troubleshooting
- Break/fix
- Customer success program
- On-demand training through MongoDB University

Advanced tooling:

- Support for MDB Compass:
 - Data visualization
 - Full CRUD with visual editor
 - Visual explain plans
 - Index management
 - Document validation UI
- BI Connector for Atlas:
 - Connect MongoDB to your BI tool of choice
 - Run analytical queries on live MongoDB Data
 - No complex ETL processes

Enterprise security:

- Granular database auditing, including Data Definition Language, Data Manipulation Language, and Data Control Language operations
- LDAP authorization and authentication
- Encryption key management

Section 508 of the US Rehabilitation Act

IBM^(R) makes no representation about the Section 508 status of the third-party electronic and information technology product in this offering. Contact the vendor for specific, current information on the Section 508 status of this product.

Program number

Program number	VRM	Program name
5900-ADN	00.00.00	MongoDB Atlas

Offering Information

Product information is available on the [IBM Offering Information](#) website.

More information is also available on the [Passport Advantage^{\(R\)}](#) and [Passport Advantage Express^{\(R\)}](#) website.

Publications

None.

Services

Software Services

IBM Software Services has the breadth, depth, and reach to manage your services needs. You can leverage the deep technical skills of the lab-based software services team and the business consulting, project management, and infrastructure expertise of the IBM Global Services team. Also, IBM extends the reach of IBM Software Services through IBM Business Partners to provide an extensive portfolio of capabilities. IBM provides the global reach, intellectual capital, industry insight, and technology leadership to support a wide range of critical business needs.

To learn more about IBM Software Services, contact your Lab Services Sales or Delivery Leader.

Technical information

Specified operating environment

Software requirements

An internet connection

IBM Support

[IBM Support](#) is your gateway to technical support tools and resources that are designed to help you save time and simplify support. IBM Support can help you find answers to questions, download fixes, troubleshoot, submit and track problem cases, and build skills. Learn and stay informed about the transformation of IBM Support, including new tools, new processes, and new capabilities, by going to the [IBM Support Insider](#).

The MongoDB Atlas service is a third party service provided by MongoDB under MongoDB's terms of service, to which IBM is not a party. Acceptance of MongoDB's terms of service is required. Technical support is provided by MongoDB and not by IBM.

Planning information

Packaging

This offering is accessed through the internet. There is no physical media or electronic deliverable.

Ordering information

For ordering information, consult your IBM representative or IBM Business Partner, or go to the [Passport Advantage](#) website.

This program is only available through Passport Advantage. It is not available as shrinkwrap.

Passport Advantage

Part number description	Part number
MongoDB Atlas Pro Credit per Month	D040BZX
MongoDB Atlas Enterprise Credit per Month	D040AZX
MongoDB Atlas Platinum Credit per Month	D0409ZX

Charge metric

The charge metrics for this cloud service can be found in the following Service Description document:

Program identifier	Service Description document title	Service Description document number
5900-ADN	MongoDB Atlas	8886-01

Select your language of choice and scroll down to the Charge Metrics section. Follow-on releases, if any, may have updated terms. See the [Cloud Services terms](#) website and search using the four-digit base Service Description number.

Terms and conditions

The information provided in this announcement letter is for reference and convenience purposes only. The terms and conditions that govern any transaction for the acquisition of Cloud Services from IBM consist of either the IBM Cloud^(R) Services Agreement and the applicable offering Service Description or the IBM International Passport Advantage Agreement or the International Passport Advantage Express Agreement and the IBM Terms of Use - General Terms for Cloud Offerings and the applicable offering Service Description.

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Additional technical support information for this Cloud Service offering may be found in the [IBM Support Guide](#) or in service-specific documentation.

Service Description

The following Service Description document applies to the offering in this announcement:

Program identifier	Service Description document title	Service Description document number
5900-ADN	MongoDB Atlas	8886-01

Follow-on levels of this cloud service, if any, may have updated terms. See the [Cloud Services terms](#) website and search using the four-digit base Service Description number.

Limited warranty

See the warranty defined in the applicable agreement governing client's acquisition for this offering.

Money-back guarantee

No

Volume orders (IVO)

No

Passport Advantage applies

Yes, information is available on the [Passport Advantage and Passport Advantage Express](#) website.

Educational allowance available

No.

Statement of good security practices

IT system security involves protecting systems and information through intrusion prevention, detection, and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, or misappropriated or can result in misuse of your systems to attack others. Without a comprehensive approach to security, no IT system or product should be considered completely secure and no single product or security measure can be completely effective in preventing improper access. IBM systems and products are designed to be part of a regulatory compliant, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products, or services to be most effective.

Important: IBM does not warrant that any systems, products, or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.

Prices

For additional information and current prices, contact your local IBM representative or IBM Business Partner.

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Passport Advantage

For Passport Advantage information and charges, contact your IBM representative. Additional information is also available on the [Passport Advantage and Passport Advantage Express](#) website.

Order now

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Phone: 800-IBM-CALL (426-2255)

Fax: 800-2IBM-FAX (242-6329)

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