



BigID & MongoDB

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To generate data insights at scale, automate advanced discovery & classification and accommodate complex enterprise requirements, BigID's platform leverages the MongoDB database.

Enabling Compliance with BigID

BigID uses advanced machine learning and identity intelligence to help enterprises better protect their customer and employee data at petabyte scale. Using BigID, enterprises can better safeguard and assure the privacy of their most sensitive data, **reducing breach risk and enabling compliance with emerging data protection regulations** like the EU's General Data Protection Regulation and California Consumer Privacy Act.

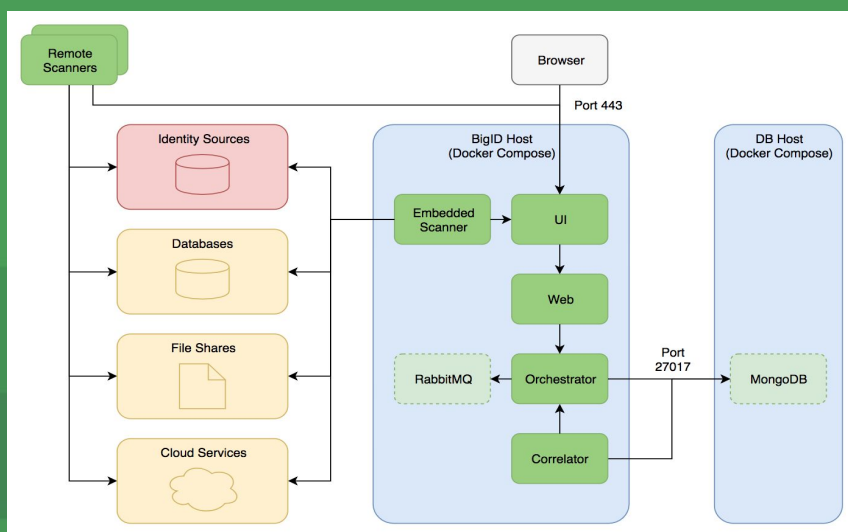
BigID's solution facilitates a bottom-up, correlation-driven approach for discovering, indexing, and inventorying personal and private data by specific identities.

- **Scale Up and Out:** With the MongoDB database as a cornerstone, BigID can scan petabytes of data and scale out as more data comes on line.
- **No Data Movement or Copying:** MongoDB's document-based structure facilitates BigID's unique correlation approach without having to store personal data
- **Deployment Flexibility:** MongoDB's support for distributed architectures and multiple deployment options – including Kubernetes- ensures BigID is easy to install and manage even in complex environments
- **Cloud Platform Support:** As AWS and Azure are embraced by even the most risk-averse enterprises, BigID can leverage cloud native tools like MongoDB Atlas to address the transition.

Reference Architecture

Modern approaches to solving data privacy, data protection and data governance challenges rely on modern technologies. BigID utilizes a MongoDB database as the internal data store for the platform. A dedicated MongoDB host is recommended for production deployments.

A Dockerized MongoDB server instance can be deployed on the same host as the BigID application, or on a separate dedicated host, with support for Kubernetes orchestration.



Recommended Deployment Models of MongoDB for BigID

Cloud

On-Premises

MongoDB Atlas

MongoDB Atlas is the global cloud database service for modern applications.

- **Global clusters** with support for 60+ cloud regions across AWS, Azure, and GCP
- **Secure for sensitive data** with built-in security controls and certifications
- **Designed for developer productivity** with drivers, integrations, and native tools
- **Reliable for mission-critical workloads** with high availability, distributed fault tolerance, and backup
- **Built for optimal performance** with on-demand scaling, optimization tools, and real-time insights
- **Managed for operational efficiency** with fully automated infrastructure provisioning, database setup, maintenance, and upgrades

MongoDB Enterprise Advanced

MongoDB Enterprise Advanced is the best way to manage MongoDB yourself.

- **Advanced security** with Kerberos and LDAP authentication, audit trails for forensic analysis, and encryption of data at-rest
- **Management and automation** with your choice of Ops Manager or Cloud Manager
- **Expert support** from the same team that builds the database, available around the clock
- **Commercial license** for the database and other software, meeting organizational policies
- **On-demand training** to build MongoDB expertise, accompanied by our **customer success program**

MongoDB Resources

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- MongoDB Atlas database as a service (mongodb.com/atlas)

BigID Resources

By bringing data science to data privacy, BigID aims to give enterprises the software to safeguard and steward the most important asset organizations manage: their customer data. For more information, please visit bigid.com or contact us at info@bigid.com.

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