Infosys Information Grid on AWS

Focus on discovering business value from your data

Infosys is an AWS Partner Network (APN) Premier Consulting Partner and AWS Data & Analytics Competency Partner.

Industry trends & challenges

Companies need to rethink how they create and drive business insights quickly with the vast amounts of data available to them. While enterprises use solutions such as data lakes to help store these vast amounts of data, oftentimes they do not have a solution that can manage the data lakes. There are a lot of requirements for data management tools, such as the ability to meet regulatory compliance, elasticity, scalability, security, and the need to keep up with the latest technologies. Without the right data lake management tool in place, organizations risk their data becoming unusable and time to insight taking longer. A solution that makes it easier for companies to derive insights while being secure and elastic can be beneficial.

The Infosys solution

Infosys Information Grid was developed with these challenges in mind. With Infosys Information Grid, enterprises have more time to derive insights, instead of managing data lakes and maintaining security. Using automation and Amazon Web Services (AWS), Infosys provides a comprehensive data lake management solution, so your data lake can be secure, scalable, and elastic. This means you can free up resources and spend more time deriving insights to improve your overall business. Using a decoupled design and cloud-native architecture, your team can speed up the entire data lifecycle from ingestion to analysis.

Benefits

Whether you are looking to move to a data lake architecture or already have one, Infosys Information Grid can help you improve the way you gain insights from your data. Benefits include:

- **Improve productivity**: Automating facets of your data pipeline enables your teams to focus on analyzing the data.
- **Remain secure**: Leverage metadata encryption and use role-based security authentication.
- **Get more out of your data**: AWS Lambda architecture enables access to coarse- and fine-grained data to perform complex analytics.
- **Reduce costs**: Use on-demand provisioning and serverless architecture to save on infrastructure spend.
Solution Space

Discover scalable and secure solutions that will empower you to achieve your business needs with Amazon Web Services (AWS) and AWS Partner Network (APN) Partners that have attained AWS Competency designations. Customer-ready solutions are based on architectures validated by AWS, include a combination of AWS services and APN Partner technologies, can be deployed quickly with solution accelerators like AWS Quick Starts, and feature optional consulting offerings provided by APN Partners, to accelerate your cloud transformation.

Click here to get started with this Solution Space offering

Solution overview

Key features

- **Data enrichment:** Amazon Elastic MapReduce (Amazon EMR) and Amazon Relational Database Service (Amazon RDS) enable you to standardize and transform your data so you can meet your analytics needs
- **Data reconciliation:** Verify data inconsistencies and maintain data integrity during data movement
- **Data security:** AWS Directory Service and AWS Identity and Access Management (IAM) help keep your data secure with data entitlements and role-based authentication
- **Agile architecture:** Automated, modular architecture with “plug and play” capabilities using Python, Java, Scala, and AngularJS help speed up your data pipeline

Infosys on AWS

Infosys Ltd. has over three decades of experience helping enterprises manage their systems and navigate their digital transformation. Through artificial intelligence (AI) and continuous improvement, Infosys helps companies deliver business value with agility and at scale. Infosys works with enterprises to migrate and help realize the potential of AWS with a number of services and solutions. In the data and analytics space, Infosys leverages AWS solutions to provide cost-effective, scalable, and secure big data solutions so companies can make the most out of their data.

How it works

Leveraging the breadth and depth of services from AWS in areas such as storage, machine learning, and data & analytics, Infosys enables you to take advantage of the latest technologies in a cost-effective and scalable manner. Infosys Information Grid is built on AWS native services including Amazon Simple Storage Service (Amazon S3), Amazon DynamoDB, and more, giving your teams the scale and elasticity they need. Using Amazon Kinesis, Amazon Glue, and Amazon Redshift, Infosys enables you to more efficiently collect, extract, process, transform, and analyze your data in real time. Having the tools and foundation to help process the growing amounts of data that come through your business every day gives you more opportunities to make use of that data.

Getting started

Focus on making the most of your data and gaining business value with the help of Infosys Information Grid. To learn how Infosys Information Grid can fit in your organization, fill out the APN Partner form to get in touch with an Infosys representative.

Contact AWS and Infosys

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