



Securing your data along your cloud journey

The simple facts

1. All major governance, risk and compliance (GRC) programs require rigorous data security.
2. Over 131 countries and several US states have data privacy protection regulations.
3. Every privacy regulation requires “best practices” or “state of the art” data protection.
4. It takes an average of 206 days to detect a data breach, and 73 days to contain it.
5. In 2020, there were an estimated \$137 million in fines for GDPR violations alone.

What DBaaS security is already built-in?

1. Infrastructure management including updating, patching, backup and load balancing.
2. Raw logging of activity such as user authentication, access, queries and data downloads.
3. Logical access control managed with built in lists of defined users and authorizations.
4. Basic data encryption using default encryption algorithms and system-managed keys.

What measures do you need to add?

1. Ongoing discovery of all databases to maintain a current catalog of organization data.
2. Classification of data to know where compliance-relevant information is held.
3. Logical access control managed by the organization's central repository of identities and authorizations.
4. Granular authorizations reflecting corporate security and data access policies.
5. Enforcement of policies such as limits on queries and amount of data to be downloaded.
6. Alerting and notification of policy violations to responsible security teams for followup.
7. A well-defined set of procedures for effectively responding to security incidents.
8. Detection of anomalies in patterns of user access behavior that could indicate a breach.
9. Enhanced data encryption where the organization controls algorithms and manages keys.
10. Auditing for compliance to regulations by organizing raw log information into meaningful reports.

Maintaining data security during migration to the cloud is challenging. Imperva's data-centric security platform dramatically simplifies cloud transformation by fully unifying security and compliance for organizations' diverse database environments. Imperva gives enterprises confidence that securing their data will not be an impediment to progress along their cloud journey.

Find out more at

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