

COUCHBASE GDPR OVERVIEW BRIEF

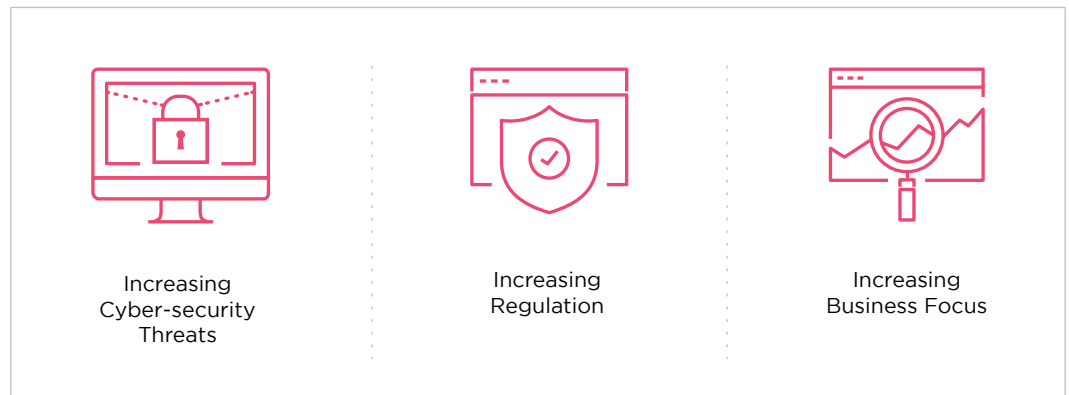


“The EU General Data Protection Regulation (GDPR) is the most important change in data privacy regulation in 20 years.”

— European Commission

Introduction

There is currently a global trend towards increasing **personal data privacy levels and improving protection** that is being reflected in stricter regulations and legislation. The most prominent example is the European Union General Data Protection Regulation (GDPR) that goes into effect in May 2018 and introduces significant **new rights for individuals with corresponding obligations for organizations.**



Drivers For Increasing Need to Secure PII Regulation Framework

Sensitive data covered by regulations will invariably reside in a database. The database plays a vital role in supporting an organization’s efforts to secure personal identifiable information (PII) and maintain compliance with GDPR.

The Couchbase Server has a comprehensive set of security capabilities to determine what data is captured and held by an organization (**scrutinize**), to secure that data and access to it (**shield**), and to report on activity (**scan**).

Scrutinize	Shield	Scan
Customer 360	Access Controls	Discover
Security Health Check	Encryption	Monitor and Report
	Data Masking/Retention	Audit
	Locality and Availability	

(Please refer to the **Best Practices for Data Protection and Security in the Couchbase Server** document for more information.)

“... we base our online user experience around what consumers want. We shape our products and services around what consumers want. We need to shape our data protection approach around what consumers expect.”

— Elizabeth Denham
UK Information
Commissioner, 2017

GDPR Articles and Couchbase Solutions

There are 99 articles outlined in GDPR and the table below highlights 15 key provisions related to PII that may reside in the Couchbase Server. It is recommended that organizations evaluate their usage of Couchbase in relation to these articles, review Couchbase’s best practice recommendations for security, and consult with the Couchbase Professional Services team to discuss appropriate deployment approaches.

GDPR Articles	Couchbase Solutions
<p>Personal data</p> <p>(Articles 13, 15, 17, 20, 35)</p> <ul style="list-style-type: none"> • Period stored • Right of access • Right To erasure • Right of portability • Data protection impact assessment 	<ul style="list-style-type: none"> • Flexible data access for discovery of sensitive data (Query, Full-Text Search and Analytics Services) • Manual, batch and programmatic delete • Time to live (TTL)
<p>Security provisions</p> <p>(Articles 25, 29, 30, 32)</p> <ul style="list-style-type: none"> • Data protection by design and default • Processing under authority • Records of processing • Security of processing 	<ul style="list-style-type: none"> • Role-Based Access Control • End-to-End Encryption • Materialized views • Log redaction • Replication • Backup • Auditing • Couchbase security scanning and vulnerability response program
<p>Notification of a personal data breach to the supervisory authority and/or to subject</p> <p>(Articles 33, 34)</p>	<ul style="list-style-type: none"> • Flexible data access for discovery of sensitive data • Auditing
<p>Personal data transfer limitation</p> <p>(Articles 44, 45, 46)</p>	<ul style="list-style-type: none"> • Filtered cross datacenter replication (XDCR) • Mobile data routing
<p>Data protection training</p> <p>(Article 47)</p>	<ul style="list-style-type: none"> • Couchbase Learning Services • Couchbase Professional Services

Note: functionality may vary across versions of the Couchbase Server.

“80% of consumers globally say trust is a key driver of brand loyalty; 45% of consumers globally switched providers in the last year because they lost trust in a company.”

— A New Slice of PII With a Side of Digital Trust, Accenture 2018

Next Steps:

- [Contact us](#) to discuss your security and GDPR requirements
- [Customer 360 with Couchbase](#)
- [Couchbase Security Health Check](#)

Additional Resources:

- [Couchbase Corporate Security](#)
- [Couchbase Security Documentation](#)
- [Couchbase GDPR](#)
- [Webinar: “GDPR: It’s All About Digital and Digital Is All About Trust”](#)
- [Ebook: “Don’t Waste Your GDPR Effort On Narrow Compliance”](#)

Disclaimer

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About Couchbase

Unlike other NoSQL databases, Couchbase provides an enterprise-class, multicloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform. Couchbase is built on open standards, combining the best of NoSQL with the power and familiarity of SQL, to simplify the transition from mainframe and relational databases.

Couchbase has become pervasive in our everyday lives; our customers include industry leaders Amadeus, American Express, Carrefour, Cisco, Comcast/Sky, Disney, eBay, LinkedIn, Marriott, Tesco, Tommy Hilfiger, United, Verizon, as well as hundreds of other household names. For more information, visit www.couchbase.com.

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