

GDPR Compliance for Data Centers



How Beta Systems Software Solutions for Data Centers help with compliance to GDPR requirements

The **EU General Data Protection Regulation (GDPR)** will be the most important change in data privacy regulation of the past 20 years. It has been voted into law by the European Union (EU) and will be in effect on 25 May 2018. However, while this data protection and privacy legislation is enacted by the European Union, it will have profound consequences for any company doing business with EU citizens inside and outside the EU.

Appropriate technologies required for GDPR compliance

With a large part of **personal data** being captured, stored, structured, organized and processed in the data center, compliance with GDPR is going to require state-of-the-art applications. The rights that EU residents will have under GDPR – such as the right to access, the right to rectify, the right to erasure, the right to restriction of processing personal data and the right to object require a solution that handles both the **general key data privacy principles** as well as the specific rights across all instances of personal data. Organizations will need to:

- ➔ track consent requests and approvals for many different actions,
- ➔ link that consent to specific personal data collected or updated for that purpose
- ➔ retain records of processing activities, transfer activities, and access or disclosure activities
- ➔ implement organizational and technical safeguards for all IT production systems that contain personal data and
- ➔ create a technical solution to identify, catalogue, and classify all data sources to enable proper action on any personal data thereby identified.

In accordance with the general principle of Article 25 of the GDPR, **data protection must be 'by design and by default.'**

So what constitutes personal data?

Any information related to a natural person or 'Data Subject' that can be used to directly or indirectly identify the person.

It can be anything from a name, a photo, an email address, bank details, posts on social networking websites, medical information, or a computer IP address.

How Beta Systems solutions support GDPR requirements

For any organization preparing to comply with the GDPR, the Article 5 outlines the key data privacy principles to be followed in the data center.

Beta Systems offers data centers a wide range of solutions to support these GDPR requirements:

➔ *Personal data should be processed fairly and transparently by organizations:*

Beta 93 Output Management and Archive is a great tool for processing and managing large data volumes such as lists, documents and print data in the data center. In Beta 93 you can configure access rights with astounding precision, even down to individual document sections. This way, you can limit the access of external recipients and corporate users to precisely those parts of large documents relevant to them.

Beta 93 Fast Retrieval is the perfect solution to search, filter and retrieve data getting all the transparency about personal data by using its powerful indexing capabilities. Companies can respond to requests of individuals without delay and can hone in on relevant data, filtering personal information not pertinent to the topic litigated or investigated.

Beta 92 Log Management can be used to facilitate a transparent audit about the use of personal data in the data center by collecting log data generated on the mainframe or on any distributed platform in a company-wide-log archive.

Beta UX LogMaster to protect your logs from changes, unauthorized access or deletion – with unchangeable log archiving to ensure audit security.

XINFO (SmartIS) is an intuitive and comprehensive information system that provides you with all the IT production details you need for any given task. Smart 'readers' allow you to import definition or operational data from a broad selection of system/program sources and process this data as required to facilitate analysis and searches (under z/OS and Windows) for any personal data in the data center.

By using Beta Systems products data centers will fulfill and support many requirements of GDPR:

Evidence of where which data of a "data subject" (natural person) are stored for how long.
(Art. 5 GDPR)

Enshrining the rights of individuals according to GDPR: This includes rights to be informed how the provided data will be used, their access to the data and how it is processed, the right to rectification of the data, the right to erasure (the right to be 'forgotten'), to restrict processing, to data portability and the right to object to processing the personal data.
(Art. 15-22 GDPR)

On request, be able to provide data records of the requesting data subject for migration.
(Art. 20 GDPR)

Obligation that the data center has implemented appropriate technical and organizational measures to ensure and to be able to demonstrate that processing is performed in accordance with GDPR..
(Art. 24 GDPR)

The technical and organizational measures ensure that personal data is not made accessible to an indefinite number of natural persons, thereby demonstrating compliance – Data protection by Design and Default.
(Art. 25 GDPR)

Evidence that your data center has "given thought" within the framework of the GDPR.
(Art. 28 GDPR)



- ➔ *The use of any data collected must be specific, explicit and legitimate:*
Beta 93 Fast Retrieval is used for high speed searching in large archives when looking for specific sets of data in real-time to find out, where the data is used. When used in combination with Beta 93 Output Management & Archive, Beta 93 Fast Retrieval also allows you to index non-textual documents, such as, e.g., images, videos, audio data, scans, faxes or other data, which can be linked to personal identifiable data.

- ➔ *Use of the data should be limited to the purpose for which the data was requested:*
Beta 88 Access Management Suite enables companies to restrict the access to data based on “need-to-know-principle” thereby ensuring that only employees in designated roles or locations can access personal data. This also enables companies to answer requests from individuals to see how their data is being processed and possibly request to limit the processing of the data.

- ➔ *Organizations need to reasonably ensure that personal data is accurate and up to date:*
Beta 93 Fast Retrieval allows you to find any data by using task related user interfaces which provide faster document analysis using high-speed indexing and multiple indices according to your needs.
Beta 93 Data Privacy enables you to not only protect personal data but to anonymize, hide or remove data in large documents or bulk data (and fulfill the requests of individuals ‘to be forgotten’)

- ➔ *Personal data should not be stored for longer than necessary:*
Beta 93 Output Management & Archive is a comprehensive software solution for managing, storing and providing bulk document data on the mainframe. Archive large volumes of documents in accordance with the requirements regarding audit and legal compliance including the automatic deletion after expiration of the retention time.

- ➔ *Personal data needs to be secured and organizations should take steps to ensure against accidental loss, destruction or damage:*
Beta 88 Access Management Suite enables companies to restrict the access to data thereby reducing the risk of accidental loss, destruction or damage.

Data Centers have to be able to demonstrate compliance with GDPR

The GDPR applies to every organization anywhere in the world that controls or processes personal data of EU residents. Clearly, **data centers** need to urgently review their technology, practices and processes to prepare for GDPR. Organizations that fail to comply with the regulation can be fined up to \$20 million, or 4% of the organization’s global revenues - a cost that makes the GDPR impossible to ignore.

General Data Protection Regulation



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About Beta Systems DCI Software AG

Beta Systems has been developing high-quality infrastructure software products and solutions for the reliable and efficient processing of bulk data for over 30 years, providing our customers with the means to best fulfill all legal and corporate requirements.

Our multi-platform software solutions for z/OS, Unix, Linux and Windows environments automate, document and analyze business-critical IT processes in data centers of large corporations, IT service providers, public-sector institutions and mid-sized companies. Beta Systems' data center intelligence portfolio focuses on output management & archiving, log/security information management and workload automation.

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