GDPR signals big data protection changes worldwide

See how the IBM Security GDPR Framework can help you prepare now

Get started ➔

Data protection is getting personal. Are you ready?

As of May 25, 2018, organizations around the world—not just those based in the EU—need to be prepared to meet the requirements outlined within the EU General Data Protection Regulation (GDPR). Those requirements apply to any organization doing business with any of the more than 700 million EU residents, whether or not it has a physical presence in the EU.

IBM® Security can help your organization secure and protect personal data with a holistic GDPR-focused Framework that includes software, services and GDPR-specific tools. With deep industry expertise, established delivery models and key insights gained from helping organizations like yours navigate complex regulatory environments, IBM is well positioned to help you assess your needs, identify your challenges and get your GDPR program up and running.

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Where to start?

If you collect or maintain any kind of data on any of those 700 million-plus EU data subjects, GDPR applies to you. And that means you may have some serious work to do.

Of course, it's possible you've already started down that path. Or maybe you're well past the starting point. On the other hand, if you're being completely honest, you might admit to being one of the many who haven't actually made any real progress yet.

The good news is that no matter where you may be in your GDPR readiness journey, IBM is ready to help. Right now. Just click on the statement to the right that best describes your current situation and we'll show you how.
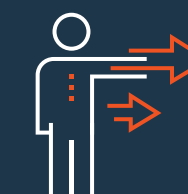
I've heard of GDPR, but I'm not sure how it will impact my organization or where I should start.

I've started on my GDPR readiness plans, but I'm having a hard time getting to the next stage.

I've developed my GDPR readiness and response plans, but I need help implementing them.

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IBM can provide a starting point for those organizations that are just beginning the GDPR journey with a GDPR readiness assessment and a roadmap for moving forward.
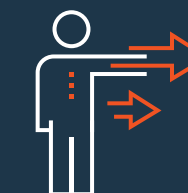
Learn more about

IBM Security Guardium® GDPR Accelerator

GDPR readiness assessment from IBM

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IBM offers a comprehensive set of data discovery and data mapping tools to help you pinpoint where your personal data is located, track its movement across business processes, and help find, identify and mitigate data layer security and access risks.

Learn more about

Critical data protection program from IBM (CDPP)

IBM Data Risk Manager

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If you're ready to run your GDPR program, IBM can help you develop and execute TOMs (technical and organizational measures), develop or enhance new processes and procedures, manage risks, automate security operations, design processor audits, and help identify and respond to data breaches.
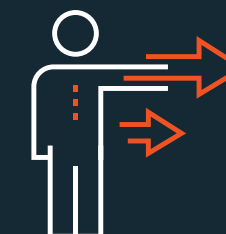
Learn more about

IBM Resilient® Response Platform

IBM Security Identity Governance and Intelligence

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The IBM Security GDPR Framework

The IBM Security GDPR Framework: Five phases to readiness

GDPR is a highly complex piece of legislation. And while it has a lot to say about what you need to do, it doesn't tell you how to do any of those things. That's why we set out to develop a straightforward approach that can help simplify the ways in which you think about addressing all those requirements.

The IBM Security GDPR Framework offers an actionable five-phase approach to achieving GDPR readiness. It acknowledges that every organization will have its own needs to consider. And it recognizes that no two organizations are likely to be starting at the same place. So it allows you to "jump in" at whichever point is appropriate for you.

Phase 1: **Assess**

In Phase 1, you **assess your situation**. You figure out which of the data you collect and store is covered by GDPR. And then you plot a course to govern it.

Phase 2: **Design**

Phase 3: **Transform**

Phase 4: **Operate**

Phase 5: **Conform**

The IBM Security GDPR Framework: Five phases to readiness

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Phase 2 is where you **design your approach**. You need to come up with a solid plan for data collection, use, storage and fulfillment of data subject rights. And you need to develop an architecture and strategy that will balance risks and business objectives.

The IBM Security GDPR Framework: Five phases to readiness

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Your goal in Phase 3 is **to transform your practices**, understanding that the data you deem valuable to your organization is equally valuable to the people it represents. This is where you need to develop a sustainable privacy compliance program, implement security and governance controls (TOMs—technical and organizational measures) and potentially appoint a Data Protection Officer.

The IBM Security GDPR Framework: Five phases to readiness

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By the time you get to Phase 4, you're ready to **operate your program**. Now you're continually inspecting your data, monitoring personal data access, testing your security, using privacy and security by design principles and purging unneeded data.

The IBM Security GDPR Framework: Five phases to readiness

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And Phase 5—the final phase—is where you're ready to **conform to the necessary GDPR requirements**. Now you're fulfilling data subject requests for access, correction, erasure and transfer. You're also prepared for audits, with documentation of your activities, and ready to inform regulators and data subjects in the event of a data breach.

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How IBM can help you

How the IBM Security GDPR Framework can help you get ready

See for yourself how the IBM Security GDPR Framework can help your organization prepare for and meet GDPR requirements for both privacy and security. You can begin by exploring the Assess phase if you're just starting your GDPR journey. Or choose the area that best reflects whatever your current needs may be. To get started, simply click on any of the five phases of GDPR readiness below. ***Click here to learn more about the difference between privacy and security.***

Phase 1: **Assess**

Phase 2: **Design**

Phase 3: **Transform**

Phase 4: **Operate**

Phase 5: **Conform**

Privacy requirements for the Assess phase
- Review existing privacy policies and statements and document how they compare with GDPR requirements
- Assess data subject rights to consent, use, access, correct, delete and transfer personal data
- Discover and classify personal data assets and affected systems
- Identify potential access risks

Learn more about the IBM solutions that can help you identify which areas could be impacted by GDPR requirements and address data source security auditing:

• GDPR readiness assessment from IBM

• IBM Security Guardium GDPR Accelerator

Security requirements for the Assess phase
- Assess the current state of your security policies, identifying gaps, benchmarking maturity and establishing conformance roadmaps
- Identify potential vulnerabilities, supporting security and privacy by design
- Discover and classify personal data assets and affected systems in preparation for designing security controls

Learn more about the IBM solutions designed to help you assess your security capabilities and readiness and identify potentially dangerous exposures:

• Ten essential practices assessment from IBM

• IBM Security Guardium Vulnerability Assessment

• Data discovery & classification services from IBM

How the IBM Security GDPR Framework can help you get ready

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Phase 1: Assess

Phase 2: Design

Phase 3: Transform

Phase 4: Operate

Phase 5: Conform

Privacy requirements for the Design phase
- Create a roadmap that details your GDPR remediation and implementation plan
- Design the policies, business processes and supporting technologies you'll need to implement your plans
- Create a GDPR reference architecture
- Evaluate controller or processor governance

Learn more about the IBM solutions designed to help you establish policies that govern the way your organization gathers and manages data:

- **Privacy by design from IBM**

- **Data discovery and classification services from IBM**

Security requirements for the Design phase
- Create a security remediation and implementation plan
- Create a security reference architecture
- Design technical and organizational measures (TOMs) to reduce risk, including encryption, pseudonimization, access control and monitoring, for example

Learn more about the IBM solutions designed to help you with a more comprehensive approach to safeguarding your most strategic and critical information:

- **Critical data protection program from IBM (CDPP)**

- **Data security services from IBM**

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Phase 4: **Operate**

Phase 5: **Conform**

Privacy requirements for the Transform phase
- Implement and execute policies, processes and technologies
- Automate data subject access requests

Learn more about the IBM solutions designed to help you implement and execute the controls in your GDPR strategy, including policies, programs and technologies:

- **Data privacy program design from IBM**

Security requirements for the Transform phase
- Implement privacy-enhancing controls, including encryption, tokenization and dynamic masking, for example
- Boost protection by implementing security controls; mitigate access risks and security vulnerabilities

Learn more about the IBM solutions designed to help you protect file and database data from misuse and anticipate vulnerabilities:

- **IBM Guardium Data Encryption**
- **IBM Z® pervasive encryption**
- **Data loss prevention and encryption services from IBM**

How the IBM Security GDPR Framework can help you get ready

IBM Security

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Phase 1: Assess

Phase 2: Design

Phase 3: Transform

Phase 4: **Operate**

Phase 5: Conform

Privacy requirements for the Operate phase
- Manage GDPR data governance practices, including information lifecycle governance
- Manage GDPR enterprise conformance programs, including those for data use, consent activities and data subject requests
- Monitor personal data access
- Govern roles and identities
- Develop GDPR metrics and reporting schemas

Learn more about the IBM solutions designed to help you provision, audit and report on user access and activity and establish rules for the use of protected sensitive information:
- **IBM Security Identity Governance and Intelligence**
- **GDPR program management office consulting from IBM**

Security requirements for the Operate phase
- Manage and implement security program practices, including those for risk assessment, roles and responsibilities, and program effectiveness
- Monitor security operations and intelligence to help detect, respond to and mitigate threats
- Govern incident response and forensics practices

Learn more about the IBM solutions designed to help you unlock the power of cognitive security, uncover new insights and proactively manage security threats:
- **IBM QRadar® Advisor with Watson™**
- **IBM X-Force® IRIS Vision Retainer**

How the IBM Security GDPR Framework can help you get ready

See for yourself how the IBM Security GDPR Framework can help your organization prepare for and meet GDPR requirements for both privacy and security. You can begin by exploring the Assess phase if you're just starting your GDPR journey. Or choose the area that best reflects whatever your current needs may be. To get started, simply click on any of the five phases of GDPR readiness below.

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Phase 4: **Operate**

Phase 5: **Conform**

Privacy requirements for the Conform phase
- Record personal data access audit trails, including individuals' rights to access, modify, delete and transfer data
- Perform data processor and controller governance, including providing processor guidance, tracking data processing activities, providing audit trails and preparing for data subject access requests
- Document and manage your compliance program, including ongoing monitoring, assessment, evaluation and reporting of GDPR activities
- Respond to and manage breaches

Learn more about the IBM solutions designed to help you address data source security auditing and respond to incidents faster, more efficiently and more intelligently:

- **IBM Security Guardium GDPR Accelerator**
- **Resilient Incident Response Platform**
- **GDPR program management office consulting from IBM**

Security requirements for the Conform phase
- Demonstrate technical and organizational measures to ensure security appropriate to processing risk
- Document your security program, including ongoing monitoring, assessment, evaluation and reporting of security controls and activities
- Respond to and manage breaches

Learn more about the IBM solutions designed to help you uncover, analyze and visualize security risks to your business and respond to incidents faster, more efficiently and more intelligently:

- **IBM Data Risk Manager**
- **Resilient Incident Response Platform**

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Why IBM ➡

Privacy vs. security: What's the difference?

GDPR addresses both privacy and security concerns. But because it can sometimes be difficult to see the difference between the two, here's a simple way to think about it: **Privacy** is all about the use of information, the policies and practices that dictate *what* data is collected, and how that data is used. **Security** is all about *how* you control and protect that data. Here's another way to think about it: When you receive your bank statement each month, privacy professionals are concerned about what that bank is going to do with your information on the statement (internally) while security professionals are concerned with what happens if external entities gain access to that information. GDPR provides directions for both privacy and security.

Learn more about the IBM Security GDPR Framework

Why IBM

IBM Security offers one of the world's most advanced and integrated portfolios of enterprise security products and services. Supported by renowned IBM X-Force research and development, that portfolio provides security intelligence to help organizations holistically protect their people, infrastructures, data and applications. With solutions for identity and access management, database security, application development, risk management, endpoint management and network security, we can help you effectively manage risk and implement integrated security across your enterprise.

When you collaborate with IBM, you gain access to a security team of 8,000 people supporting more than 12,000 customers in 133 countries. As a proven leader in enterprise security, we hold more than 3,500 security patents. And with an approach that includes advanced cognitive computing encompassing artificial intelligence and machine learning, we enable organizations like yours to continue to innovate while mitigating risk. So you can continue to grow your business—while securing your most critical data and processes.

For more information
To learn more about the IBM Security portfolio of solutions, please contact your IBM representative or IBM Business Partner, or visit:
ibm.com/security

Additionally, IBM Global Financing offers numerous payment options to help you acquire the technology you need to grow your business. We provide full lifecycle management of IT products and services, from acquisition to disposition. For more information, visit:
ibm.com/financing

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