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# How Oracle can Help to Address the EU General Data Protection Regulation

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# Safe Harbor Statement

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# GDPR and Oracle Roles

- Oracle is a **“data controllers”** with regard to the personal data of its employee, partners and customers
- Oracle is a **“data processor”** when it provides to its customers cloud services (and hosts personal data on behalf of its customers)
- Oracle is a **” technology provider ”** when provides solutions (products and services) to our customer to help them to comply

**This is the focus  
of this presentation**

# Oracle, Security and GDPR

- 10 years of Oracle Community for Security ([c4s.clusit.it](http://c4s.clusit.it))
- Participate in various industry organizations involved in GDPR initiatives
- Organize conferences and webcasts to increase awareness
- Since 2015 - helped to create a GDPR observatory and external collective blog ([europrivacy.info](http://europrivacy.info))
- Seek to improve products and services to help customers comply with GDPR
- Cooperate with partners to help our customers



A screenshot of a website's blog page. The navigation bar includes links for HOME, BLOG (highlighted), EVENTS, CONTRIBUTORS, SPONSORS, TO PARTICIPATE, TOPICS, and Q&amp;A. The main content area features a post titled "Record of processing activities" with a sub-header "Ethically GDPR". The post text discusses Article 30 of the GDPR and includes a "Read More" link. Below the text are social media sharing icons for Twitter, LinkedIn, Google+, and Facebook. On the right side, there is a sidebar with a "Login" section and a "Categories" section listing various topics with their respective counts.

# A Comment on Compliances

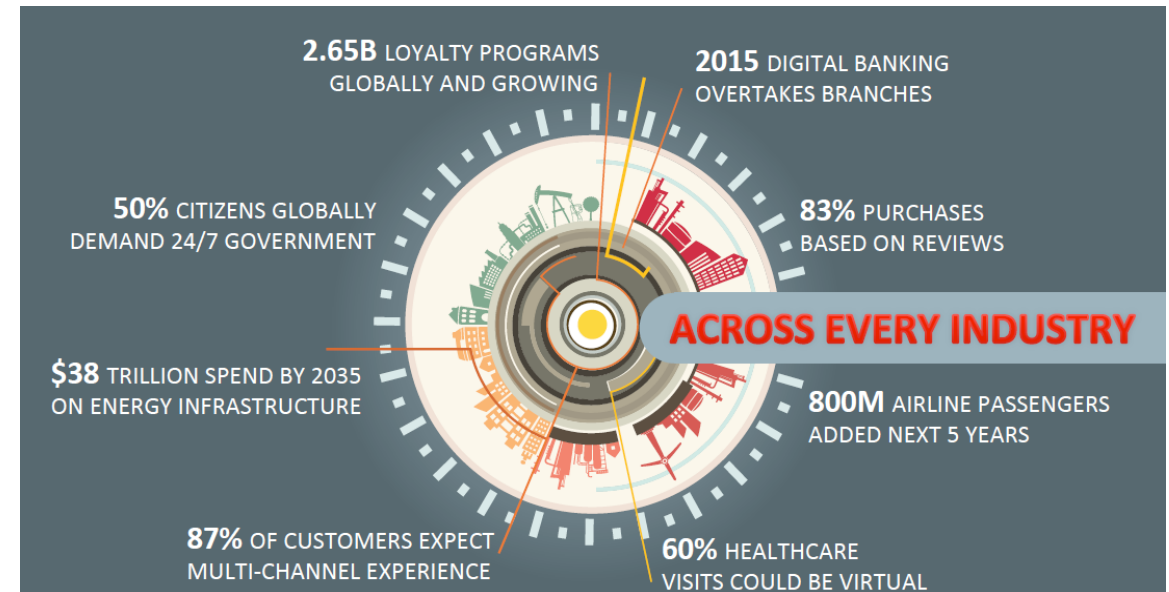
- Compliances protect third parties rights
  - i.e. the patients of the hospital, the account owners of the bank etc.
- Not the rights of the company itself
  - i.e. not your secrets and intellectual property...
- They are more mature now than in the past
  - They refer to “Best Practices”, “Risk Analysis” and “State of the Art”...
- Therefore modern compliances require to evaluate **Security Controls** through **Risk Analysis** that allow to comply and to reduce the risk at the same time

# Importance of investing in IT security

- Guarantee compliance
- But also:
  - Reduce risk
  - Protect brand and reputation
  - Reduce cost of controls
- ...and to enable business and digital transformation

*According to a study led by Clusit and PMI (NIC Northern Italy Chapter) in 2015 the investments in security were due:*

- 47.8% of the cases for compliance and
- 48.0% for risk reduction



**Innovation is not possible without security**

# Understanding the GDPR: good IT and good Security

The protection of natural persons in relation to the processing of personal data is a fundamental right that necessarily goes through Information Technology (IT).

**In modern society IT is ubiquitous and many GDPR requirements imply good IT and good Security**

# Understanding the GDPR: GDPR and IT

- Protecting the data requires knowing
  - Where data resides
  - Risk exposure
- Some obligations can / must be fulfilled
  - Leveraging the IT Architecture
  - Through application modifications



# Which security measures shall be implemented?

## Since

- The law does not specify which specific security measures must be adopted and the controller and the processors are accountable
- Certifications and code of conducts, Data Protection Authority, judges, and court experts will refer to common sense and international best practices

## You need to

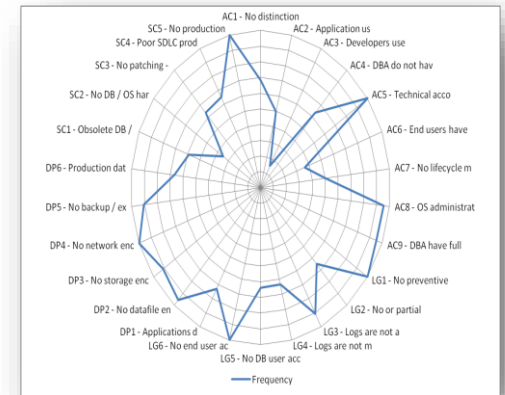
1. Know personal data processed and where in the systems
2. Understand risk for data subject
3. Implement basic security measures
4. Add more security and good IT

# We have evidence that there is often a lack of basic security

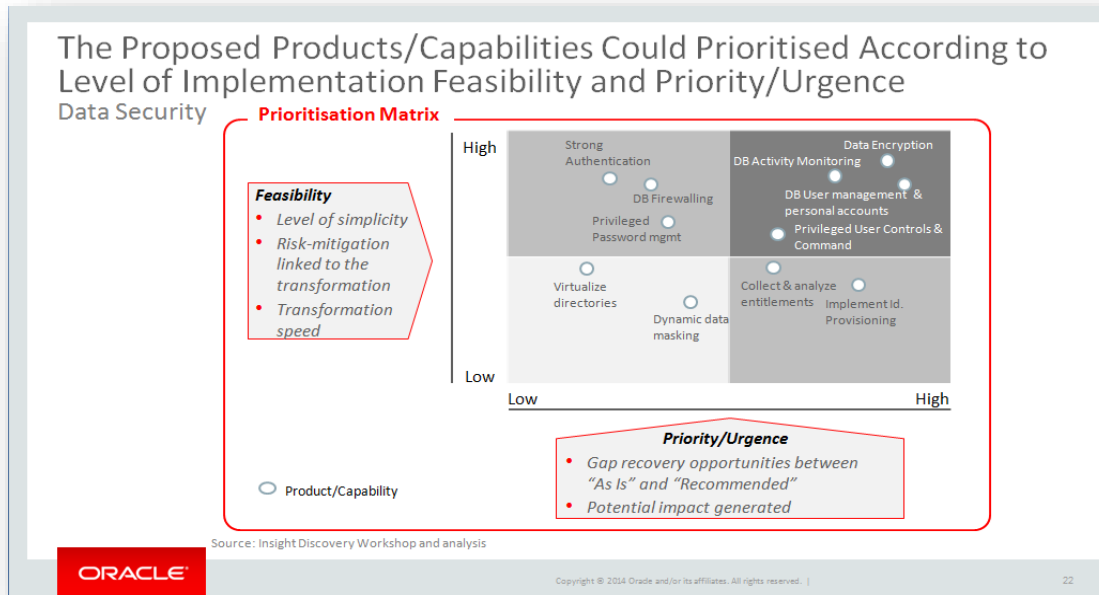
- Oracle has been assessing our customer security posture for years with a practice called Database Security Maturity Evaluation

- We have collected IT “Most Common Mistakes” for example:

- Sharing passwords
- No logging
- Poor patching
- No encryption
- Excessive privileges



- You hardly comply if you do not have a basic security

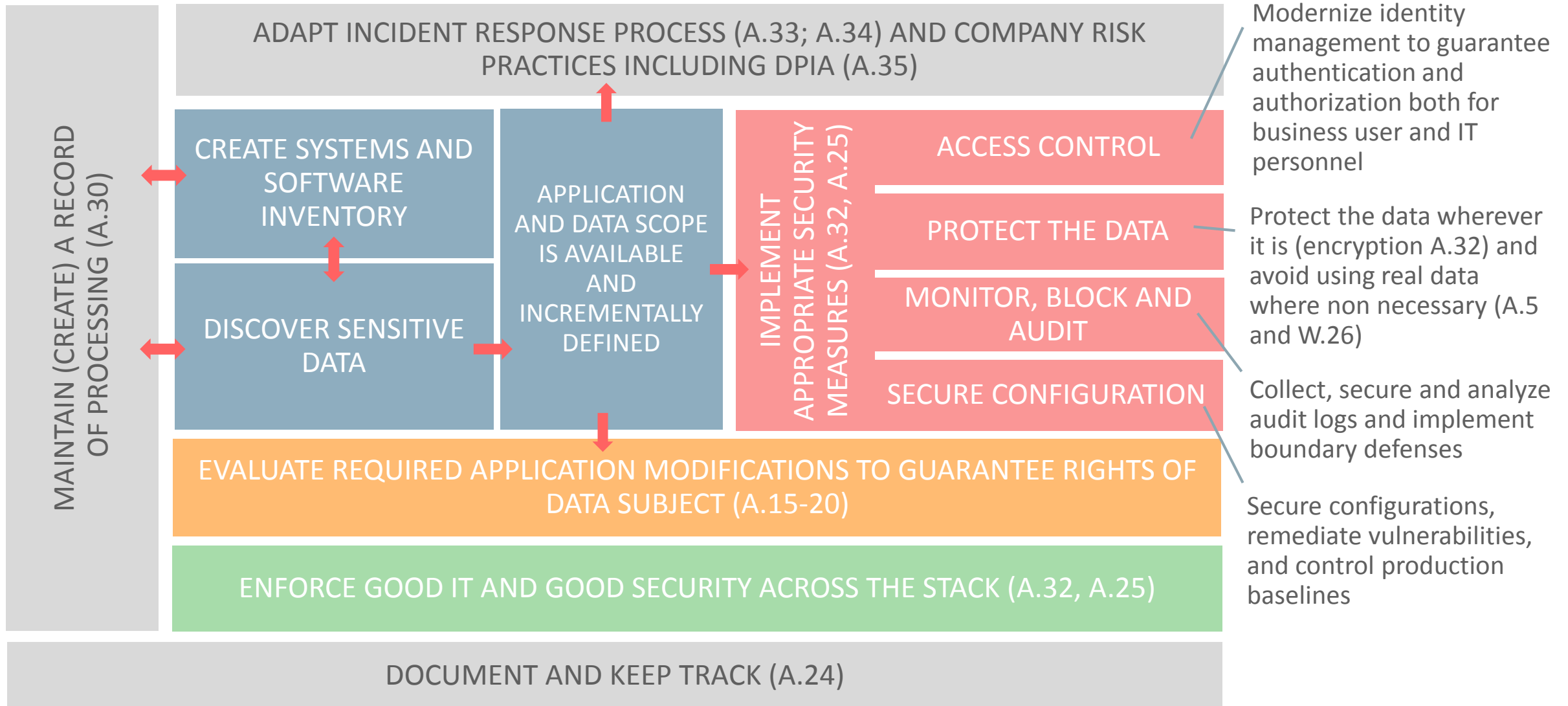


Read about the Most Common Mistake on Rapporto Clusit 2016-  
-FOCUS ON: Sicurezza del Database: a che punto siamo?  
Check this video for the DBSecurity <http://bit.ly/29GIYF3>

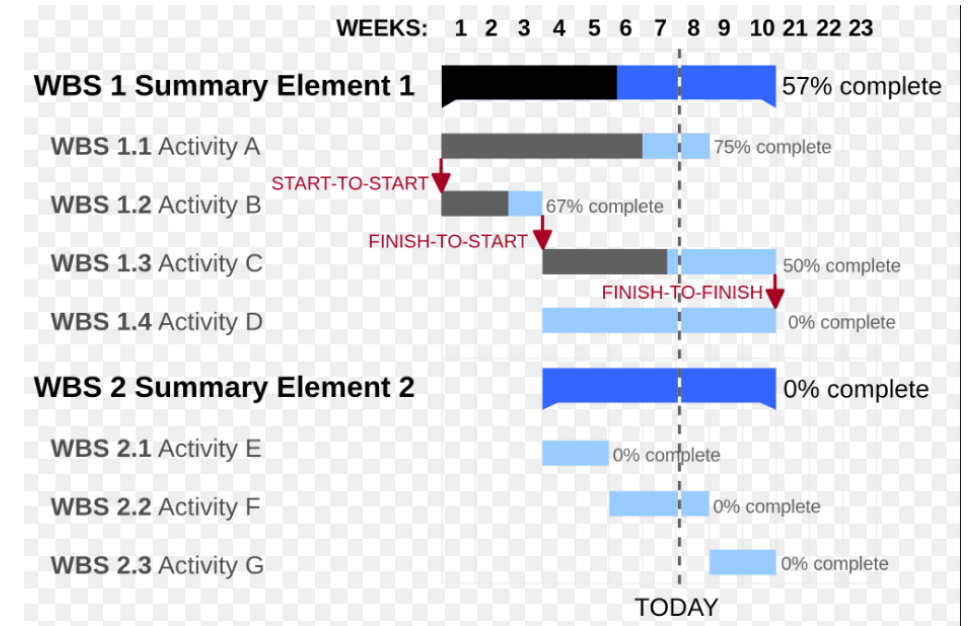
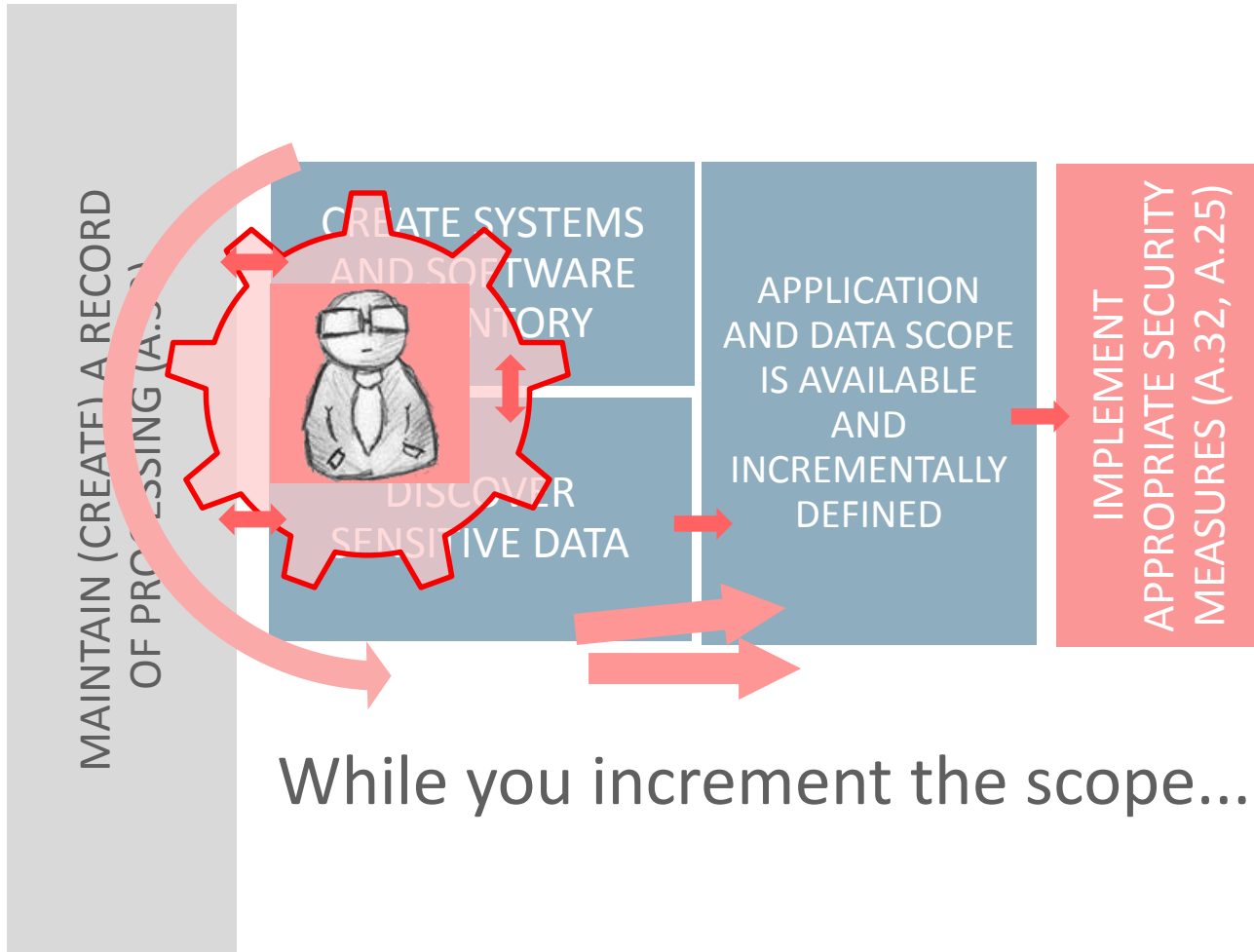
# GDPR & Oracle (as a Technology Provider)

- Compliance requires a set of coordinated actions by different departments in every company.
  - Requires the following coverage:
    - Organization
    - Legal and Contracts
    - Information Technology
  - Good technology can help achieve compliance
- Oracle provides technology that
    - Improves confidentiality, integrity and availability
    - Ensures resilience of processing systems
    - Helps to discover sensitive data
    - Mitigates security incidents
  - Oracle can help put technology in the right context


# A path towards GDPR – tasks and activities



# A path towards GDPR –parallelizable tasks



... You can start security projects as you go



UBI Banca is the third largest Italian commercial/retail banking Group. 23,000 employees.

## GDPR Compliance with the help of Oracle Security

- Data Security improved with auditing, now implementing masking and encryption
- Cloud access controls to secure Microsoft Office 365 and discover hidden IT
- Delivering a new identity platform (hybrid cloud) to streamline identity governance

Listen to Fabio Gianotti Chief Security Officer UBI.S, UBI Banca ([video](#))

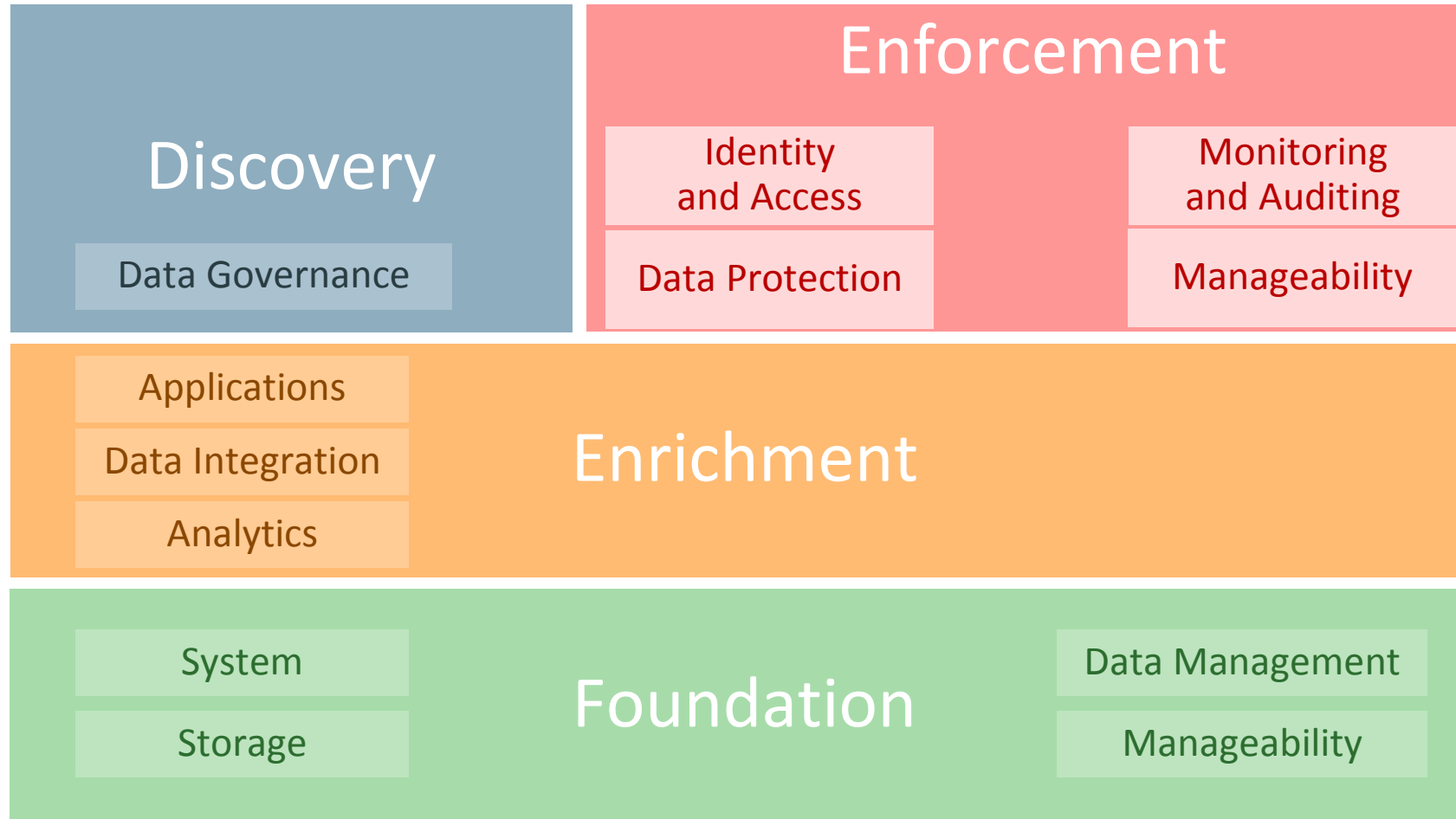
# GDPR: Security Customers



- **European Union (EU)**, which created the GDPR law, has decided to use our Security Solutions to help them to be compliant with their own law
  - Database Security
  - Identity Management



# A path towards GDPR – How Oracle can Help?

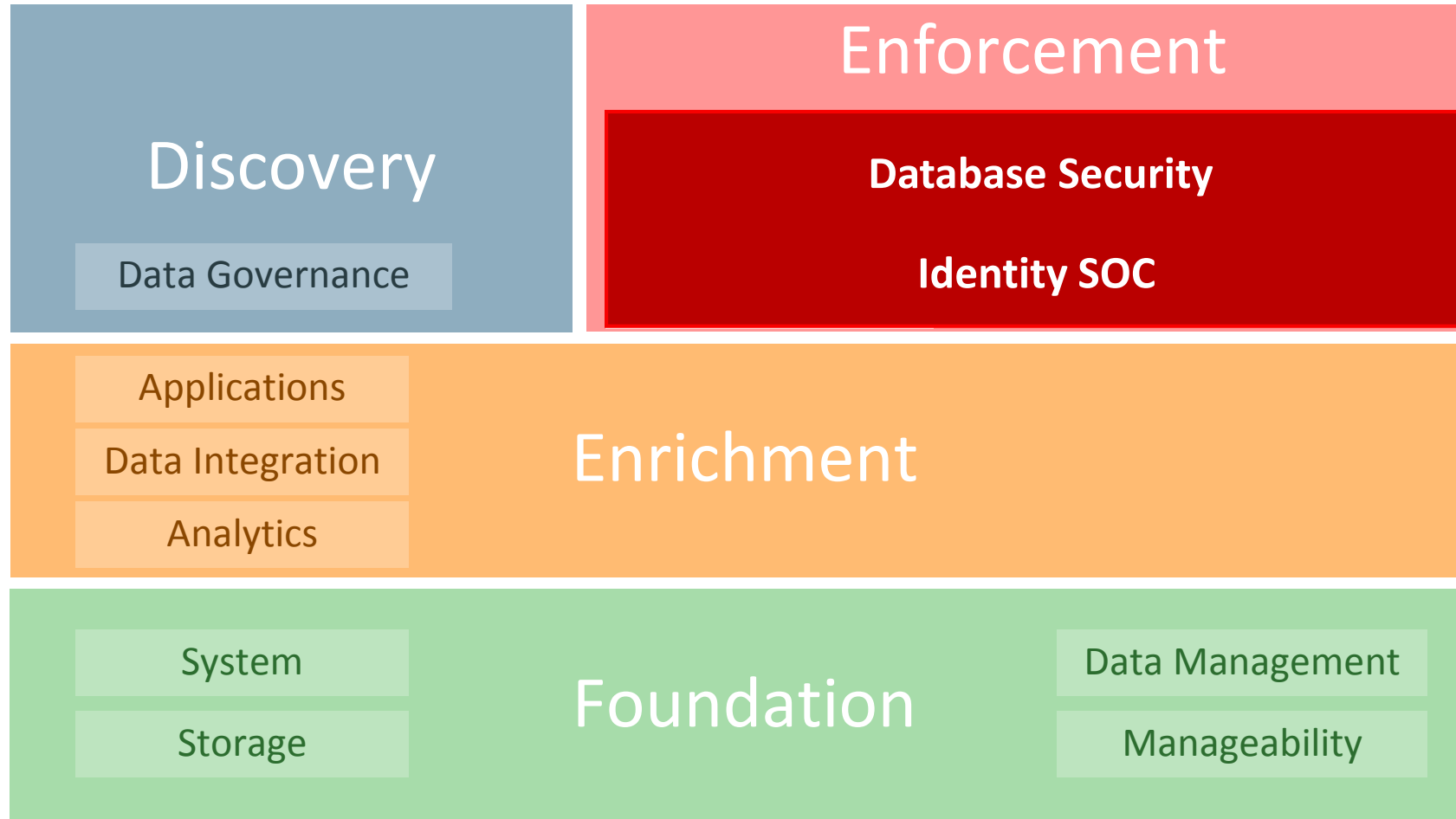


Several Oracle products or security cloud services can help to achieve compliance to GDPR.

We can help to:

1. **Discover** sensitive data with data governance solutions
2. **Enforce** data, software and identity security
3. **Enrich** application functions to guarantee rights of data subjects
4. **Support** a foundation that includes good IT practices, and high availability and resilience

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# Oracle Security Solution Can Help You

Enforcement

## Helping Address GDPR Compliance Using Oracle Security Solutions

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System

Foundation

Data Management

Storage

Manageability

Helping Address GDPR Compliance Using  
Oracle Security Solutions

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## Oracle security solutions

# GDPR is Coming. Are You Ready?

Learn how Oracle Security Solutions can help organizations implement controls that reduce the risk of non-compliance fines around GDPR.



# Visit us: [oracle.com/goto/gdpr](https://oracle.com/goto/gdpr)

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