



Cybersecurity & GDPR as an enabler for building trust with citizens

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Fidecity wants to be a reliable partner for cities in the development of their smart city projects by supporting and guiding cities in overcoming obstacles and creating synergies between stakeholders



Our Approach



Open government data
regulation
Privacy
Data Protection
Licenses.

Is Trust needed ?

Microsoft 'must release' data held on Dublin server



Internet companies will have to hand over users' data even if it is held abroad, a judge has ruled

A judge in the US has ordered Microsoft to hand over a customer's emails, even though the data is held in Ireland.

Related

Anonymous stole data from Italy, EU

Data includes emails about Gentiloni visit to Bologna

Redazione ANSA

ROME

14 November 2017

18:35

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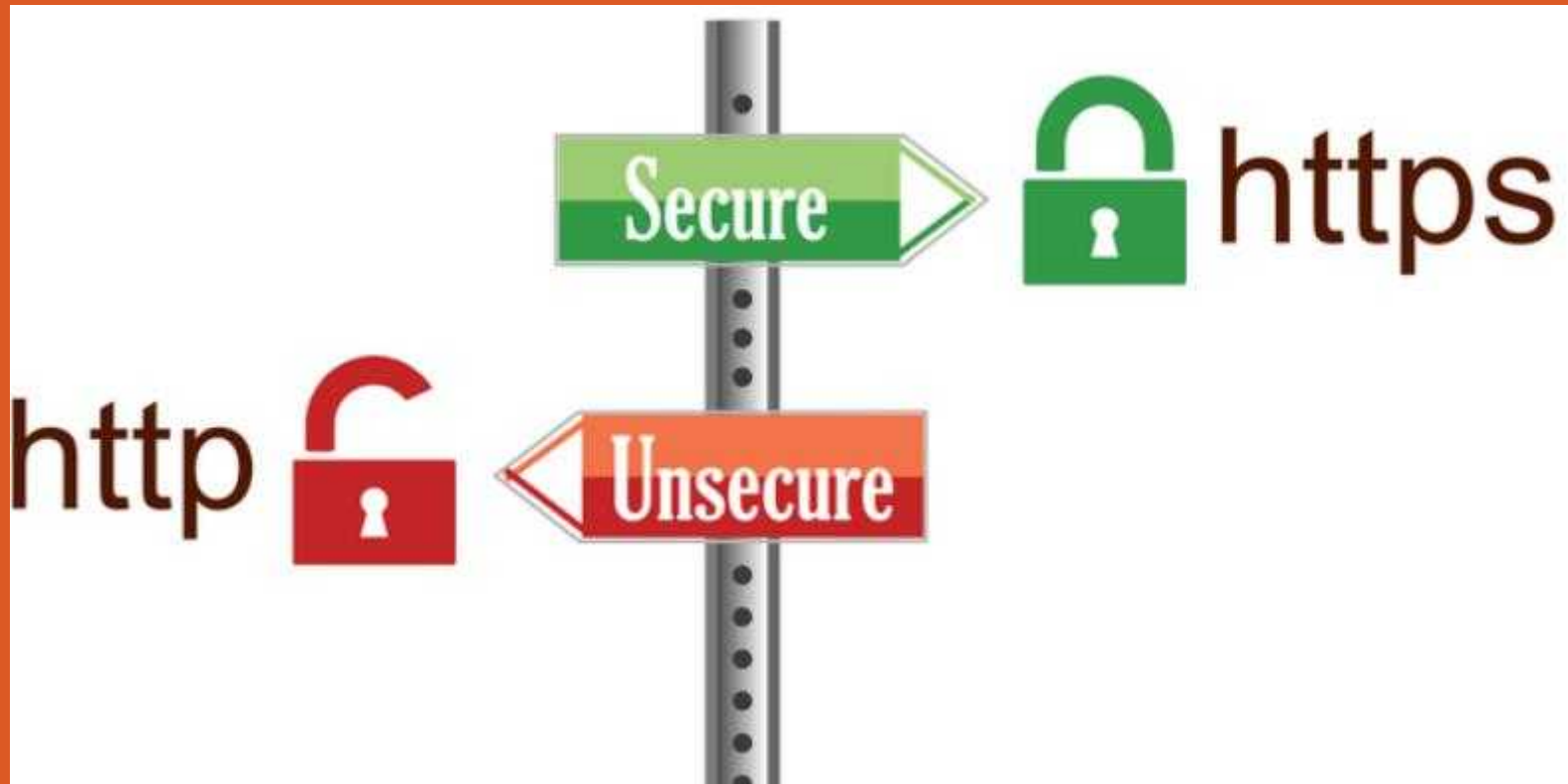
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CLICK TO ENLARGE

(ANSA) - Rome, November 14 - The Anonymous hacker-activist group said Tuesday that it has stolen emails, telephone numbers, and photocopies of documents regarding the police and it said it has taken the data from European and nations. The stolen data is said to include email involving the premier's department and the police about Gentiloni's visit to Bologna on Wednesday.



Is Trust needed ?



20% of cities are using http only for their e-government in Flanders

Is Trust needed ?



GDPR as enabler for trust



Transparency, Security and Privacy are needed in a democratic society.

How to implement GDPR



LEGAL

+

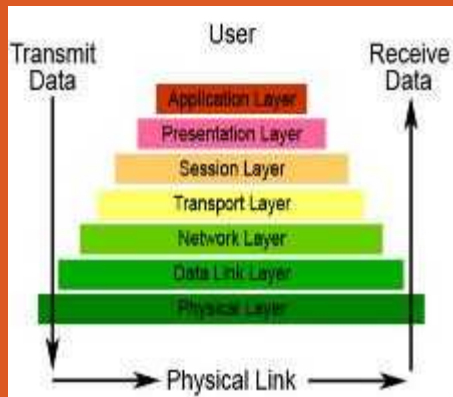
TECHNICAL (IT, Cybersecurity +)

+

ORGANIZATIONAL/PEOPLE

+

PROCESSES/POLICIES



GDPR (OSI 7 Layer)



OSI 7 Layer		PROCES	RISK	MITIGATE
APPLICATION				SPF, DKIM, DMARC. Certificate (digital signatures) DNSSEC
PRESENTATION		Anonymization Pseudonimization		WAF
SESSION				Encryption
TRANSPORT			Open ports (network services) (fe telnet 23) Unsafe protocols	SSL/TLS https
NETWORK	Router (L3)	Authorization Authentication	Evesdropping Monitoring Packet inspection	IP Subnets Segmentation NGFirewall ...
DATA (Layer) DATA (real data)	Switch (L2)	Authorization Authentication	Data loss Data Integrity	Vlans Backup
PHYSICAL	ASSET MGT HW, SW, People Physical Sec Access mgt		Wifi,RFID,Ethernet	Encryption Certificates TPM

GDPR (Processes)

Awareness building
Standards and best practices (NIST, ISO 2700X...)
Asset Management
Shadow IT
Attack surface reduction (ASR)
Separation of duties
Right to be forgotten
Cloud access security brokers (CASBs)
Governance
Data protection policy
Principle of Least Privilege
Personnel and security
Software update management
Common vulnerability scoring system
Logging and auditing
FIPS-140 security policy
Budget
Cloud services

....

GDPR (People)

**The people's role in data protection and privacy is fundamental.
No technology can solve this issue without people creating awareness and follow
the processes to mitigate the risks.**

Awareness building

Political Leadership

Organizational security: Separation of duties

Social Engineering (understand phishing and other cyber attacks)

TRUST



Trust



Get In Touch



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