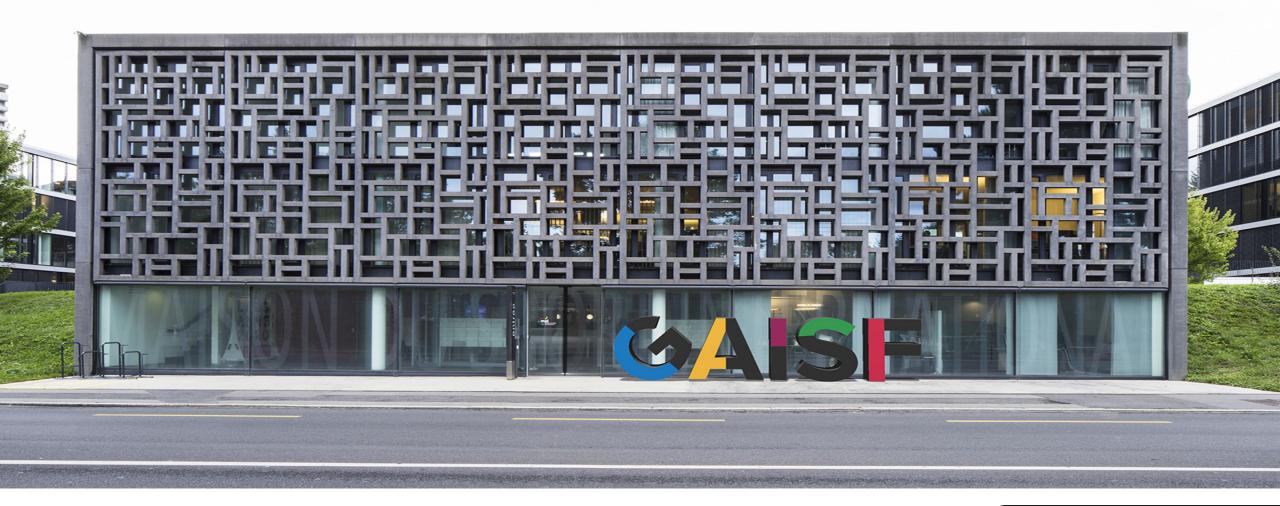
GDPR | RGPD | DSGVO







Agenda

- NextDay.Vision
- Key concept
- Data controller, processor
- Principles and rights
- Data trasfert vs. regulation
- Privacy shield and cloud act
- Questions?

Related to IT with sample















Place des Sciences 1 2822 Courroux - Suisse

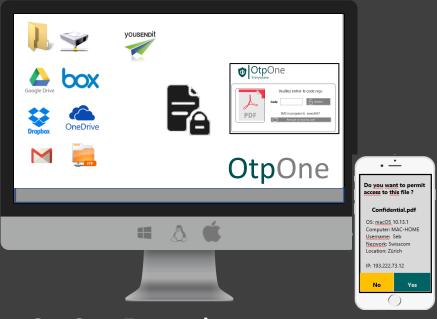
contact@nextday.vision https://www.nextday.vision

Contact



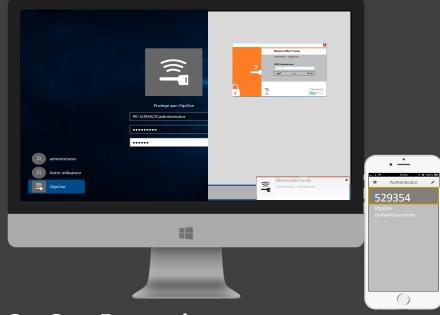


Startup Cyber security innovations



OtpOne Everywhere

Protect files everywhere Share sensitive files with everyone with a strong protection and identity check



OtpOne Enterprise

Protect files against internal attacks

Strengthen the Windows session

Reinforce the Windows application identity check



GDPR | RGPD | DSGVO Key concepts







GDPR | RGPD | DSGVO

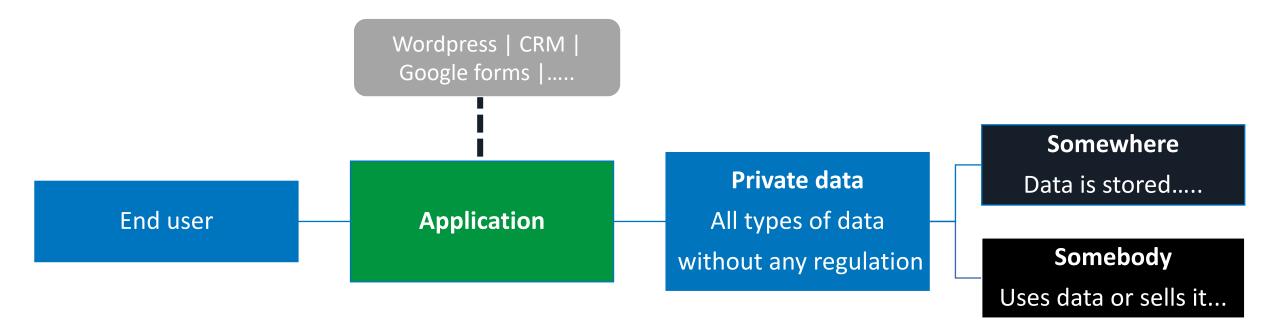
General Data Protection Regulation

Please note: this presentation will only summarize the GDPR, therefore there might be shortcuts





Key concepts







Key concepts

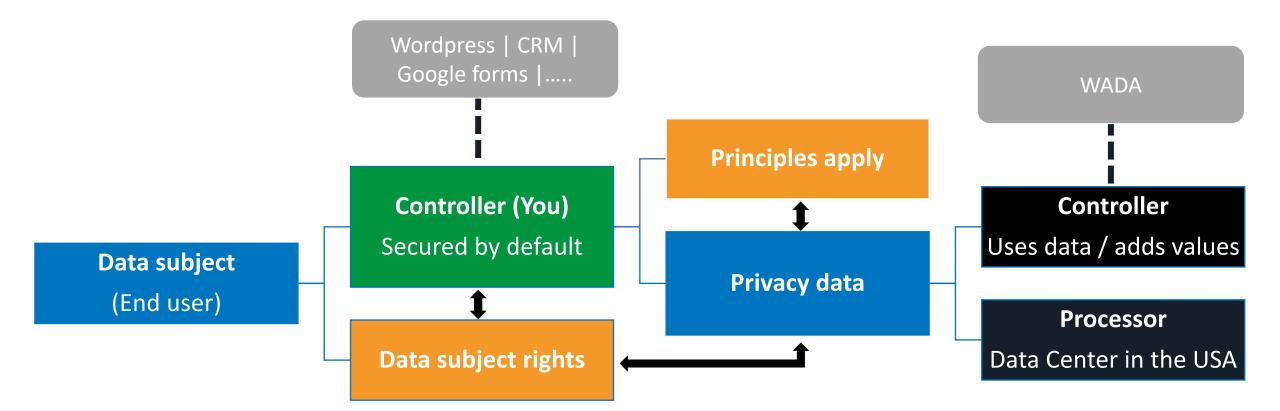
GDPR VOCABULARY in a simple way:

- Data subject: the end user, the center of your GDPR related problem
- Principles are related to data protection and data management (expiry).
- Rights are related to the end user rights (right to access, etc.)
- The **processor** gets data, adds values, uses data (web form owner, etc.)
- The **controller** doesn't use data (for himself), and does not add value ... (DC, store, back up, etc.)
- Security by default: data is protected without any configuration
- Security by design: the application is secured from the start and protects data by default





Key concepts

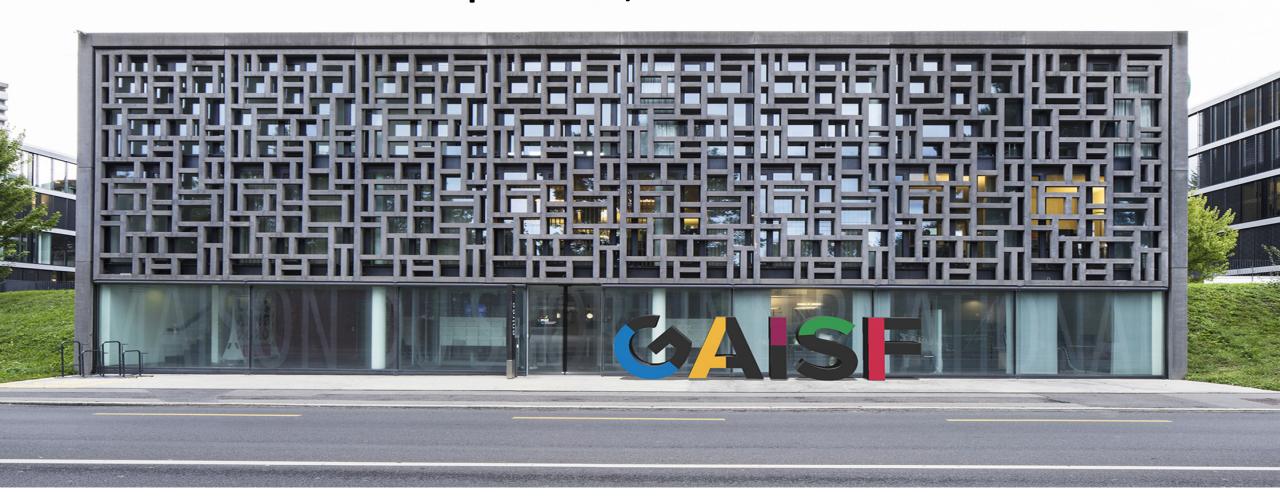






GDPR | RGPD | DSGVO

Data processor, data controller







Data controller (art. 24, 25, 26, 27)

- Collects data
- Shall implement appropriate technical and organisational measures to protect the private data
- Demonstrates the compliance of processing activities
- Shall answer data subject requests concerning rights
- The compliant controller is at risk of paying a fine of up to 4% of the global yearly turnover

You are the data controller You are accountable.

I personnally use Wordpress to get private data from my members. I am not responsible for the security of the Wordpress cloud I use.

GDPR: You are the controller, you are accountable, you have chosen this provider, this software.

It must be GDPR compliant.





Data processor (art. 28, 29, 30)

- Processes authorized data only
- Processes instruction documented by the controller only
- Does not have the right to engage another processor without the controller's authorisation
- Should be governed by a contract
- Processors must keep records of data processing

Cloud services like Wordpress online, mail services, etc. are global processors.

A processor can also be a controller if he uses, modifies or adds value to the data.

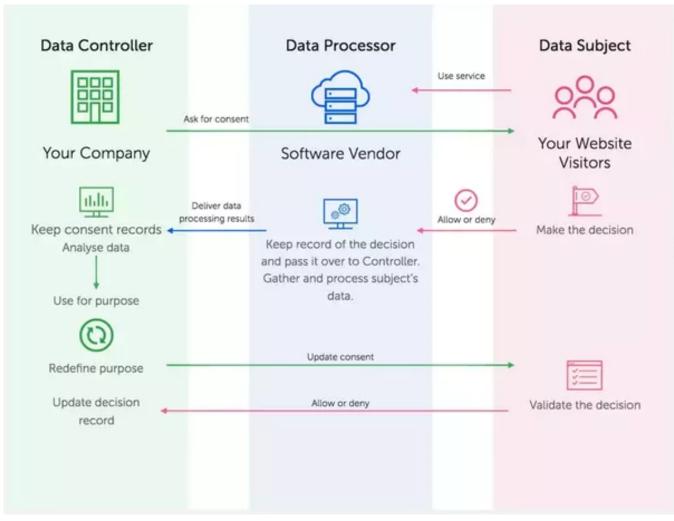
https://kb.mailchimp.com/accounts/management/about-mailchimp-the-eu-swiss-privacy-shield-and-the-gdpr

It must be GDPR compliant.





Data controller & data processor







Questions 4 you

• You organize an event...

•

• The backup is...





GDPR | RGPD | DSGVO

Principles and rights







Principles lawfulness, fairness and transparency

Related to Art. 5:

- Adequate, relevant, limited data, up-to-date
- Kept in a format allowing identification of data subjects for no longer than necessary
- Processed in a manner that ensures appropriate security

PIA = Privacy Impact Assessment





Principles lawfulness, fairness and transparency

Related to Art. 6, 7, 9:

 Users have given their consent to the specific processing (details in art. 7)

Or

- Data is necessary to the performance of a contract to which the data subject is party
- Data is necessary for compliance with legal obligation
- Data is necessary in order to **protect the vital interests** of the data subject.





Principles: lawfulness, fairness and transparency

Related to art. 7:

✓ I have read and agree to the terms & conditions and privacy & cookies notice, and understand that your company may contact me about products, services & offers that may be of interest, by email, SMS, phone etc.

IAGREE

NO

- don't bundle consent with agreements
- don't pre-fill tick boxes
- use granular consent options
- always name your organisation
- clearly mention the right to withdraw
- be detailed & specific, avoid ambiguity

I have read and agree to the terms & conditions and privacy & cookies notice. SomeCompany Ltd would like to send you a weekly bulletin about the products, services & offers we feel you may be interested in. If you would like to receive them please opt-in by selecting your preferred methods of contact below. SMS Phone Email Carrier Pigeon Post You can withdraw or change your preferences at any time. IAGREE

Fields marked with an * are required Name Email This form collects you name and email so that we can add you to our newsletter list for awesome project updates. Check out our privacy policy for the full story on how we protect and manage your submitted data! I consent to having ACME Inc collect my name and email! *

Picture sources:1wl.uk and ninjaforms.com





Principles: Purpose limitation

• Data shall be collected for specific, explicit and legitimate purpose.

PIA = Privacy Impact Assesment





Principles: Data minimization

• Data shall be adequate, applicable and restricted to what is necessary.

First Name:	
First Name:	
Last Name:	
Email:	
B. 6 5	(Your email address will be your username)
Re-type Email:	
Password:	(Min. 8 characters, 1 numbers sensitive)
Re-type Password:	
	2
Address:	
City:	
State:	Choose a state
Zip Code:	Optional
Phone:	Ø Mobile ▼
	No spaces or dashes
Date of Birth:	Month ▼ Day 4
Gender:	Choose a gender





Principles: Storage limitation

 Data shall be stored in a form which allows identification of data subjects for no longer than is necessary.

For instance, use the database procedure to define archive bytes:

Date of registration + 1 years = Archive (no direct access)

Date of registration + 5 years = Delete data (local legal period)





Principles: Integrity and confidentiality

 Data shall be protected against unauthorized or unlawful processing, accidental loss, destruction, manipulation or damage. (art. 32)

Unauthorized access: Granular roles, strong identity check (2nd factor authentication)

Accidental loss: Backup and test restore process

Destruction: Backup, granular roles, strong identity check

Manipulation, damage: Encryption, granular roles, strong identity

checks, pseudomization, anonymization

That not really new: Granular roles, strong identity check, backup, encrpytion





Principles: Accountability

 The controller will be accountable and capable of showing compliance.

Document/register needed:

- Record of processing activities
- Risk assessment & PIA
- Security awareness and training proof
- Nonconformity
- Incidents
- Private data policies (internal, external)

Design, log & monitor:

- Access control (role)
- Firewall, WAF, proxy
- System
- Vulnerabilities

Excel
Sharepoint
Office365

•••

PRTG -> monitoring, logging and alert

Windows System log archive (group policy)

Nessus, openVAS -> test vulnerabilities and create report

....





Data subject rights

- Of access (what do you know about me?) art. 15
- Of modify/ rectification (correct it) art. 16
- Of erasure art. 17
- Of restrictions (ex:oppose erasure, not use) art. 23
- To object (ex:object against marketing use) art. 21
- Of portability (ex:data migration, without any standard) art. 20





Data subject rights

Functions you should have ready on your web application:

- Show all my data (all data, not only account information)
- Export all my data (all data, but no specific format is required)
- Modify my account
- Delete my account and all my data (except legal information)
- Enable, disable specific processing





Data subject rights

No automated decision making - art. 22

You should define a manual step to make a decision.

To be informed – art. 13

Incident management process and active monitoring will help you when the monitoring alerts you or if you have any suspicion investigating the case, then define if it's only an **event** or an **incident**

In case of incident:

- Inform the data subject as soon as possible
- You have 72 hours to inform the authority





Questions 4 you

- Category, and if is sensitive or not:
 - Birthday
 - Eyes color
 - End user weight
 - Heart rate but only if more as 100
- What is important to have prove your compliance?





GDPR | RGPD | DSGVO

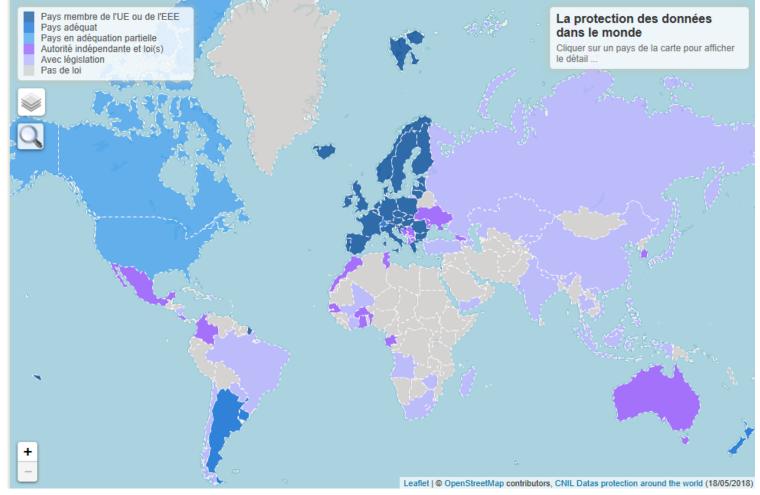
Privacy vs. regulation







Data transfert vs. GDPR



https://www.cnil.fr/fr/la-protection-des-donnees-dans-le-monde





Data transfert vs. SWISS regulation

	Niveau adéquat pour des personnes physiques	Niveau adéquat sous certaines conditions	Niveau insuffisant	Remarques	Autorité nationale de protection des données
Arménie			X		
Autriche	X			La loi s'applique également au traitement de données concernant des personnes morales.	Österreichische Datenschutzbehörde Hohenstaufengasse 3 AT-1010 Wien www.dsb.gv.at
Azerbaïdjan			Χ		
Bélarus			X		
Belgique	X				Commission de la protection de la vie privée Rue de la Presse 35 BE-Bruxelles 1000 www.privacycommission.be
					Personal Data Protection Agency in Bosnia and Herzegovina Vilsonovo šetalište broj 10 BA-71000 Sarajevo
Bosnie-Herzégovine			X		www.azlp.gov.ba
Bulgarie	X				Commission for Personal Data Protection 15 Akad. Ivan Ev. Geshov Blvd. BG-Sofia 1431 www.cpdp.bg
Chypre	X				Commissioner for Personal Data Protection 1 lasonos street CY-1082 Nicosia www.dataprotection.gov.cy
Croatie	X				Personal Data Protection Agency Martićeva 14 HR-10 000 Zagreb www.azop.hr
Cicatio	1			A certaines conditions, la loi peut	Datatilsynet
Danemark	X			s'appliquer aux traitements	Borgergade 28, 5

https://www.edoeb.admin.ch/edoeb/en/home/data-protection/handel-und-wirtschaft/transborder-data-flows.html





Data transfert vs. SWISS regulation

			ments personnels qui circulent d'une province ou d'un pays à l'autre dans le cadre d'activités commerciales.	
Costa Rica		X		
Cuba		X		
Dominique		X		
Etats-Unis d'Amérique	X		Les organismes qui adhèrent au Privacy Shield pour les données provenant de Suisse et qui figurent sur la liste du Département américain du commerce garantissent un niveau de protection adéquat au sens de l'art. 6, al. 1, LPD	Federal Trade Commission FTC 600 Pennsylvania Avenue NW DC – 25080 Washington
Grenade		X		
Guatemala		X		
Haïti		X		
Honduras		X		
Jamaïque		X		
Mexique		x		Federal Institute of Access to Public Information Av México 151, Col Del Carmen Coyoacán México DF 04100 www.ifai.org.mx
Nicaragua		X		
Panama		X		
République dominicaine		x		
Saint-Christophe-et- Niévès		x		
Sainte-Lucie		X		
Saint-Vincent-et-les- Grenadines		X		

https://www.edoeb.admin.ch/edoeb/en/home/data-protection/handel-und-wirtschaft/transborder-data-flows.html





GDPR | RGPD | DSGVO Privacy shield and cloud act







EU-US - Privacy shield



https://ec.europa.eu/info/law/law-topic/data-protection/data-transfers-outside-eu/eu-us-privacy-shield en

The European Commission has so far recognised Andorra, Argentina, Canada (commercial organisations), Faroe Islands, Guernsey, Israel, Isle of Man, Jersey, New Zealand, Switzerland, Uruguay and the US (limited to the Privacy Shield framework) as providing adequate protection.

https://ec.europa.eu/info/law/law-topic/data-protection/data-transfers-outside-eu/adequacy-protection-personal-data-non-eu-countries en





Switzerland - US - Privacy shield



Transborder data flows



The Swiss data protection law guarantees the protection of the private sphere for data processing carried out by persons in Switzerland. However, when data is transmitted abroad, an adequate level of its protection has to be provided for thereabouts.

The current regulations are as follows:

Transborder data transfers briefly explained (PDF, 246 kB, 27.03.2017)

Certain data transmissions abroad must be announced to the FDPIC. Under certain circumstances, transmission is only allowed after concluding a special agreement. In some countries, transmission is problem-free to a great extent. The following list shows the levels of data protection worldwide:

- List of countries (in French) (PDF, 123 kB, 12.01.2017)
- The Council of Europe's model contract (PDF, 71 kB, 13.05.2009)
- Guide of the Council of Europe (PDF, 88 kB, 13.05.2009)

The standard contractual clauses of the European Union 🗗

Standard contract for the transborder outsourcing of data processing

https://www.privacyshield.gov/Swiss-US-Privacy-Shield-FAQs

https://www.edoeb.admin.ch/edoeb/en/home/data-protection/handel-und-wirtschaft/transborder-data-flows.html





EU - Switzerland - Privacy shield



https://www.privacyshield.gov/European-Businesses

HOW TO VERIFY AN ORGANIZATION'S PRIVACY SHIELD COMMITMENTS

The Privacy Shield List enables EU or Swiss companies to verify whether data can be transferred to a U.S.-based company under the Framework.



CONTRACT REQUIREMENTS FOR DATA TRANSFERS TO A PROCESSOR

Data controllers in the EU and Switzerland are required to enter into a contract when a transfer s made for processing purposes only, regardless of whether the recipient is

a Privacy Shield Participant. Under the Privacy Shield, this contract does not require prior approval and need not include standard contractual clauses.

VIEW





EU - Switzerland - US - Privacy shield Privacy Shield



(ii) Data transfers from Switzerland or the EU to the United **States**

MailChimp is responsible for the processing of Personal Information we receive under each Privacy Shield Framework and subsequently transfer to a third party acting as an agent on our behalf. We comply with the Privacy Shield Principles for all onward transfers of Personal Information from the EU and Switzerland, including the onward transfer liability provisions. With respect to Personal Information received or transferred pursuant to the Privacy Shield Frameworks, we are subject to the regulatory enforcement powers of the U.S. Federal Trade Commission. In certain situations, we may be required to disclose Personal Information in response to lawful requests by public authorities, including to meet national security or law enforcement requirements.





Cloud act

The Clarifying Lawful Overseas Use of Data Act or CLOUD Act (H.R. 4943) is a United States <u>federal law</u> enacted in 2018

The CLOUD Act had support of the Department of Justice and of major technology companies like Microsoft, Apple, and Google. The bill was criticized by several civil rights groups, including the Electronic Frontier Foundation, the American Civil Liberties Union, Amnesty International, and Human Rights Watch. These groups argued that the bill stripped away Fourth Amendment rights against unreasonable searches and seizures, since the government could enter into data rights sharing agreements with foreign countries and bypass U.S. courts, and affected users would not have to be notified when such warrants were issued. [9][10] Some of these groups feared the government would not fully review requests from foreign countries for their citizens stored on servers in the U.S., potentially allowing such data to be used in bad faith in those countries





Questions 4 you

- What if I use a US Wordpress in the cloud service:
 - Do I need a contract?
 - Can a US policeman ask to access members private data without inform the end user? Is a judge required?
- What if I us a Wordpress in the cloud in africa:
 - Do I need a contract ?
 - Can a African policeman ask to access members private data without inform the end user? Is a judge required?





Do you need to have DPO on board?

- Art 37 :
 - Large scale
 - Volume of data
 - The duration of permanency of the data
 - The geographical extension of the data
 - Type of data
- WP27 guideline will help you to better understand the article 37 and the DPO role and attribution

https://iapp.org/media/pdf/resource_center/WP29-2017-04-DPO-Guidance.pdf





GDPR | RGPD | DSGVO QUESTIONS

