



A Framework for user centred privacy and security in the cloud

Cloud computing is at the forefront for new technologies in IT with cloud service providers making services available to businesses, public sector organisations and private users. **So what's stopping more organisations from using cloud services? Mistrust.**

To help the Cloud to really take off across all sectors, Europe is working towards a common understanding of cloud computing best practices on security and data protection, raising confidence and creating trust.

The European initiative **CLARUS** has a mission to increase cloud consumers trust **by allowing users to retain control over their personal data** and benefit from the agility and cost savings of the cloud. CLARUS will advance cloud computing so organisations using the solution can monitor, audit, and control the stored data.



[Fast forward to 2017 - CTO of a healthcare organisation on the benefits of CLARUS](#)

The sensitive nature of health data makes the use of cloud services problematic. CLARUS makes cloud services more transparent, standardised, auditable and controllable. Its security and privacy-enabling mechanisms ensure patient records are safe and properly protected in our outsourced cloud services. Our patients are happy because they no longer worry about the safety of their private data. Our shareholders are happy because a more efficient IT system means lower operational costs.

[Read more](#)

[Trust and confidence in the online world matters](#)



Trust and confidence are central to the Digital Single Market (DSM), an action plan for the benefit of all Europeans – people as well as business – across Europe's vast single market. CLARUS contributes to the goals of the DSM in several key ways:

- **Data protection** – reinforcing trust and security in digital services, especially the handling of personal data.
- **Interoperability and Standardisation** – Defining priorities and interoperability in areas critical to European market and creating a level playing field across all sectors.

[Read more](#)



[For the European Open Source & Open Standards Community](#)

CLARUS proxy architecture – The initial design of the proxy architecture is now available. The CLARUS proxy defines and encapsulates a set of privacy modules for different cloud services (data storage, data retrieval, search, computation) and protection techniques (encryption, data splitting and anonymisation).

[Read more](#)

Contribution to standardisation efforts – CLARUS investigates the use of open standards in the implementation of the CLARUS components to ensure interoperability in collaborative, standardised and transparent cloud environments with a wide range of Cloud Service Providers (CSPs).

[Read more](#)

[CLARUS at ICT2015 Networking Session on Privacy for dependable clouds](#)

What's CLARUS doing to make cloud dependable?



"End-to-end user control on how and who uses and accesses a cloud customer's applications and data is fundamental to building trust in cloud services. Because different countries have different protection laws, customers need to know where their data will be stored. CLARUS is giving them mechanisms and tools so that they can easily adopt state-of-the-art data encryption, data splitting, and data obfuscation techniques", *Edgardo Montes de Oca*, Montimage (a French SME), a panellist at the ICT2015 Networking Session on "Privacy, Certification and SLA for a dependable cloud", 20 October in Lisbon.

[Read more](#)

What's next?

In early 2016, CLARUS will publish insights on the EU legal framework and impact on data protection and how we target SMEs and healthcare sectors.

Where next?

CLARUS will participate to [Cloudscape 2016 in Brussels](#), Belgium. Registration launch December 2015!



CLARUS has received funding from the European Union's Horizon 2020 programme - DG CONNECT Software & Services, Cloud. Contract No. 644024 You are receiving this newsletter because you are a member of the CLARUS online community.

If you do not wish to receive future newsletters [unsubscribe from this list](#).