



REPUBLIC OF ESTONIA
GCIO OFFICE

CLOUD SERVICES

CYBER SECURITY

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**CLOUD SERVICES SEEM TO BE
SIMPLE, CONVENIENT, FAST
AND INEXPENSIVE**

IS THAT SO?



CLOUD SERVICES CAN BE USED CONVENIENTLY WHEN DATA ...

CONFIDENTIALITY: IS NOT IMPORTANT

INTEGRITY: IS NOT IMPORTANT

AVAILABILITY: IS NOT IMPORTANT

WHAT IS A CLOUD SERVICE?



- DATA MANAGEMENT BY A **THIRD PARTY**
- **SHARED USE** OF IT INFRASTRUCTURE
- ACCESS TO DATA OVER **THE INTERNET**

TRUST

RESPONSIBILITY CAN NOT BE OUTSOURCED

HOW TO TRUST A SERVICE PROVIDER?

DIRECT SUPERVISION IS NOT POSSIBLE

INDIRECT CERTIFICATES AND AUDITS

RISKS

- DEPENDENCE ON **TERMS OF SERVICE**
- SHARED **RESPONSIBILITY**
- **JURISDICTION** OF DATA LOCATION
- **SHARED USE** OF RESOURCES
- USE OF **PUBLIC NETWORKS**
- **CROSS-BORDER** DEPENDENCIES

PRINCIPLES

- **NO RULES** FOR PUBLIC AND UNIMPORTANT DATA 😊
- **IMPORTANT DATA** – ADMIN, BUSINESS, PRIVATE
 - EVALUATE SERVICE PROVIDER'S **RELIABILITY**
 - **ENCRYPT** DATA AND KEEP IT UNDER YOUR CONTROL
 - **BACK UP** YOUR DATA IN ANOTHER SYSTEM



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THANK YOU!

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