

# RSAConference™2023

San Francisco | April 24 – 27 | Moscone Center

SESSION ID: PART1-T08

## Cloud security made for the EU: Securing data and applications



#RSAC

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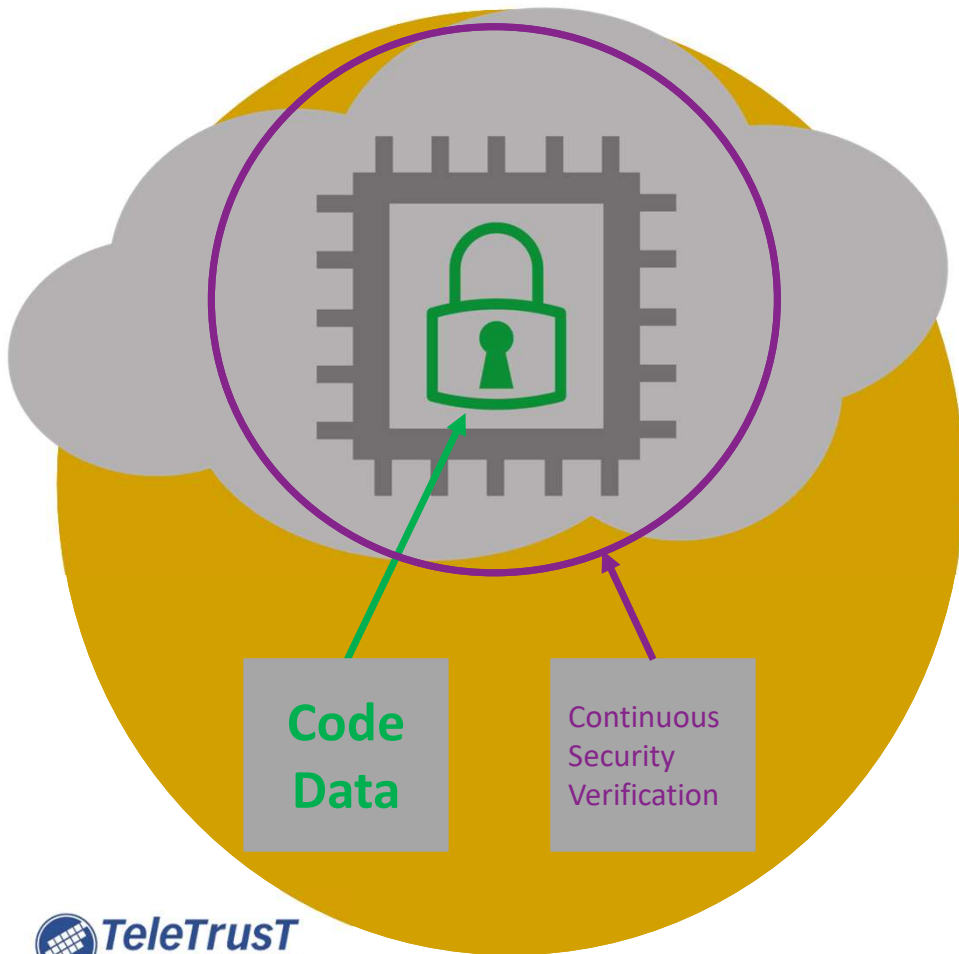
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# Securing data and applications

#RSAC

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## Confidential Computing

- The basis are security functions in the CPU
- Code and data are processed in an isolated and encrypted form on cloud infrastructures
- the authenticity of the data and the code can be verified remotely

## Continuous Security Verification

- Continuous compliance management
- Detect changes to cloud resources and their configuration

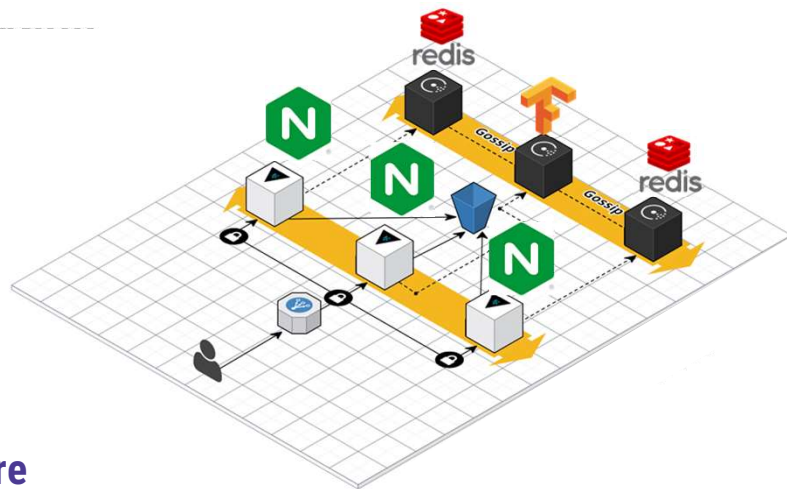
## Trustworthiness

- Is based on transparency regarding the cloud solutions and companies
- In general, the goal of trustworthiness is to achieve that user companies have trust in a cloud provider and use their cloud solutions for this reason.

# Confidential Compute platform - trustworthy technology

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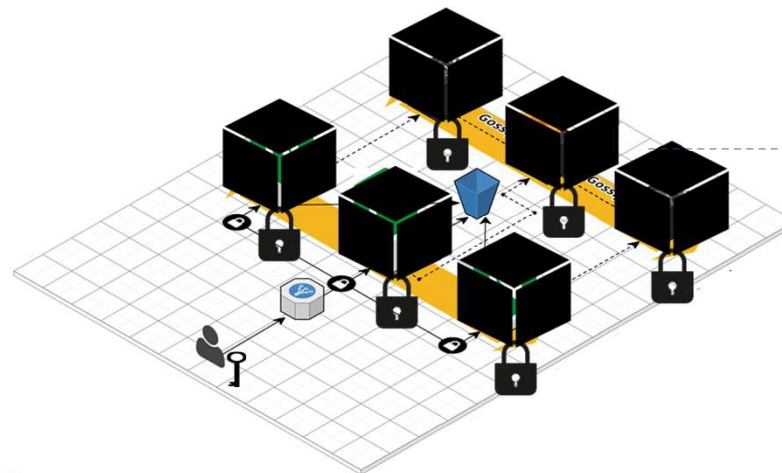
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## Before

End-to-end security only at the network layer

- No In-Use Confidentiality
- No Execution Integrity



In-Memory Encrypted Apps •

Auditable Apps •

## After

End-to-end security at the network plus app layer

# Cloud Security - The Challenge

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TECHNOLOGY > CYBERSECURITY | June 1, 2022 | updated 17 Aug 2022 9:21am

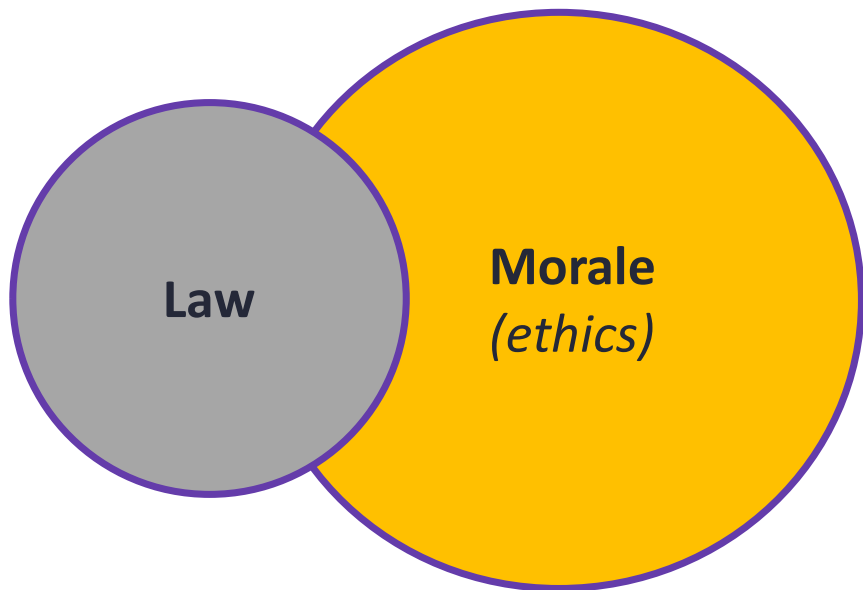
## Pegasus Airline breach sees 6.5TB of data left in unsecured AWS bucket

An unsecured cloud data store has left vital information from the airline's software exposed online.

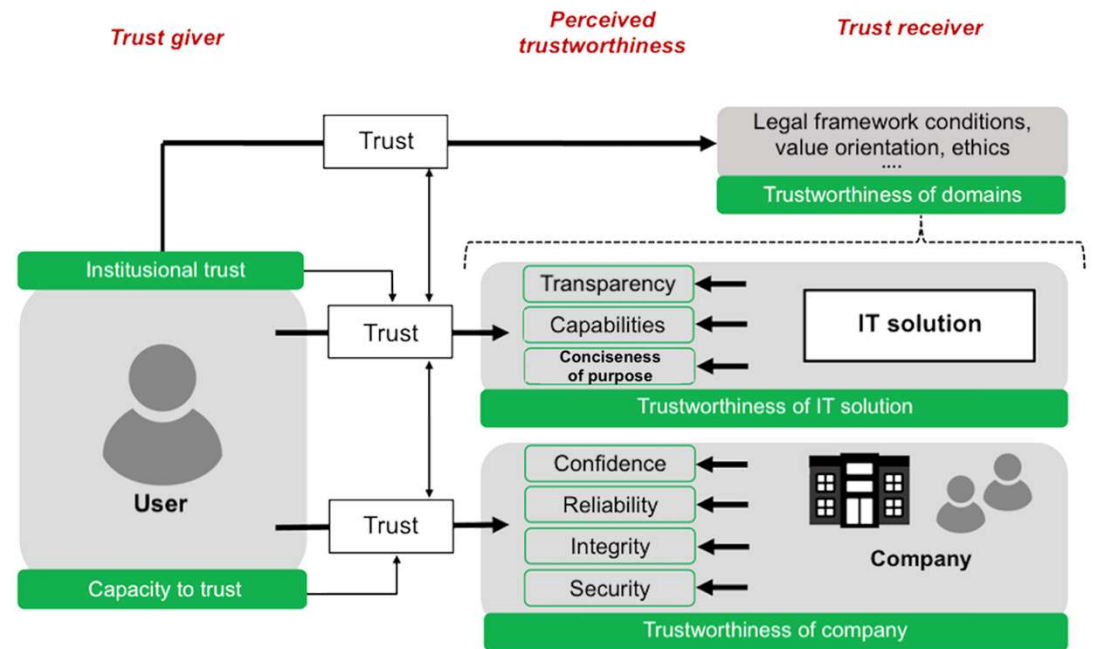


# Trustworthiness

## Code of Conduct



## The Foundation of Trustworthiness



## Model of Trustworthiness

# Today's Takeaways



- Trust will continue to speed up the pace of cloud adoption.
- The ease of use of the applied IT security will accelerate trust.
- Confidential computing is a now applicable IT security concept and an ideal way to protect cloud applications and data.
- Continuous monitoring of security controls and their verification creates a hardened and resilient cloud infrastructure.
- Presenting the trustworthiness of the cloud solutions as well as of the cloud provider creates an additional but increasingly important trust for user companies.

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