

Professional and Social Aspects of Informatic's Engineering

CyberSecurity and Privacy Data storage system

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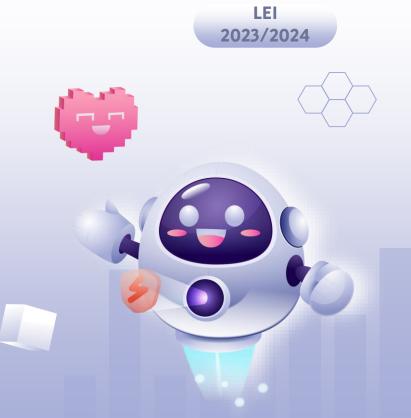


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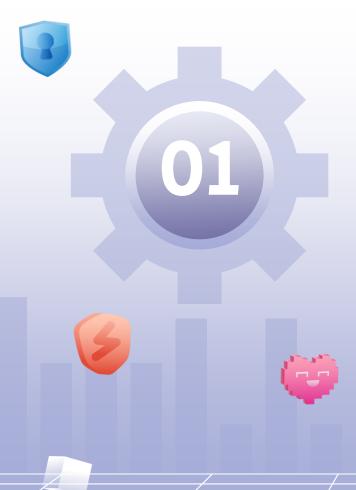
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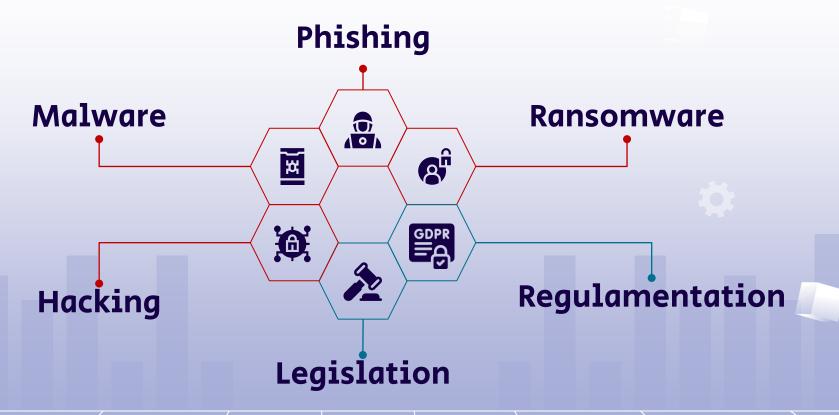
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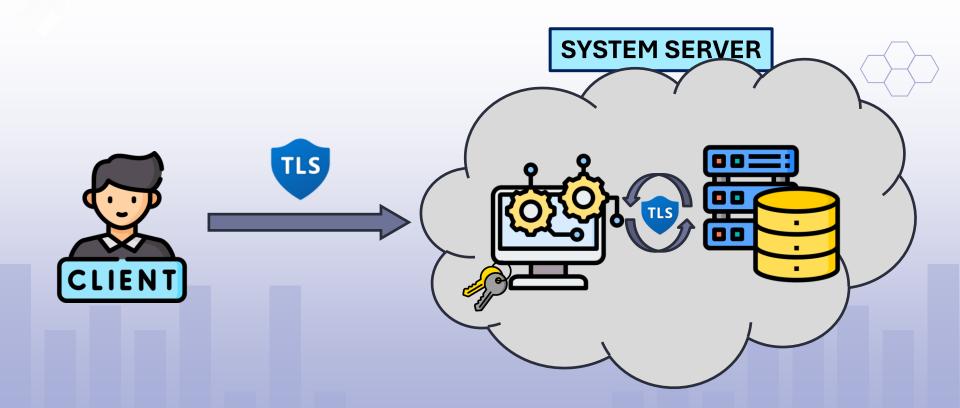


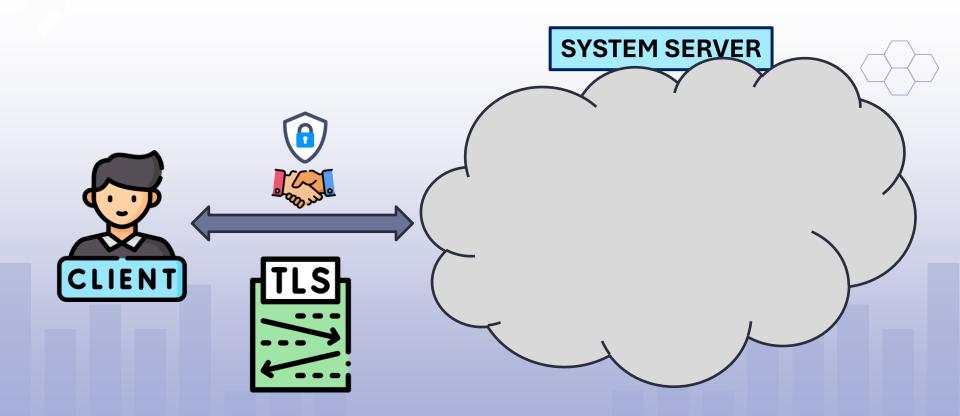
Challenges of Cybersecurity and Privacy

Robuste Data Storage Systems

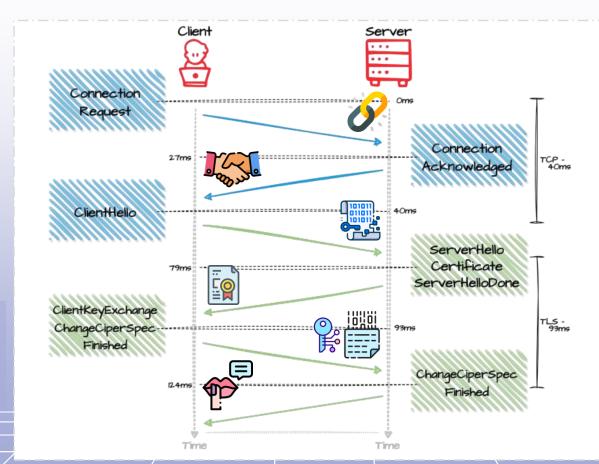






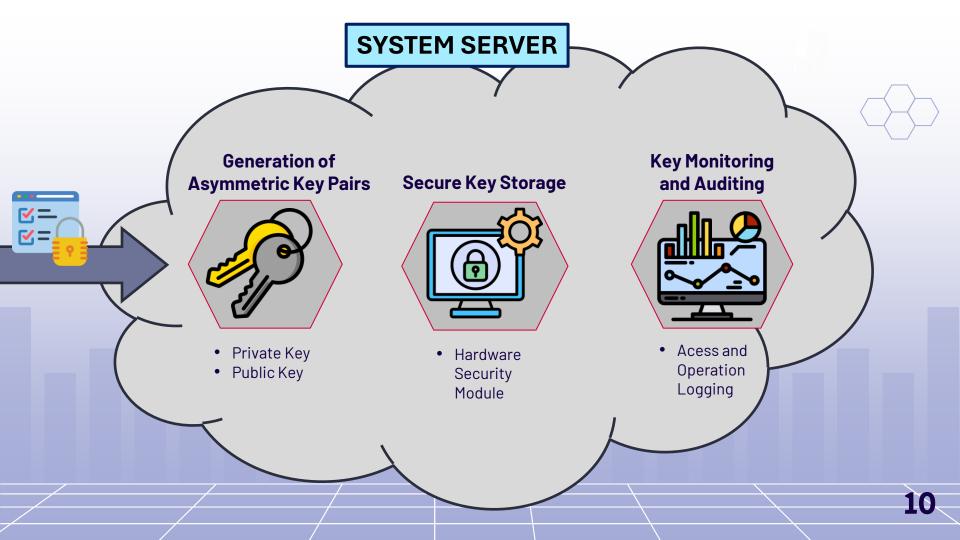


TLS PROTOCOL

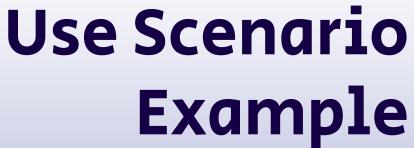




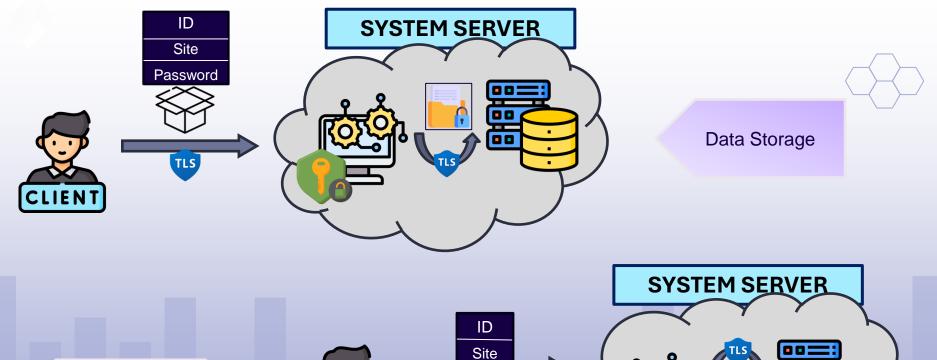








Password Management System

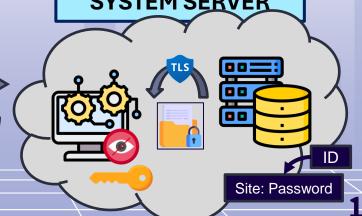


Password

TLS

CLIENT

Data Retrivement





Users





Https protocol

Secure navigation + TLS = Data **Integrity**



2FA

Password + SMS verification code



Data Confidenciality and Security

Data Encription + Protection against non authorized access



Lawfullness

Explicit and Clear User Consent



Loyalty

Risk awareness



Transparency

Clear inform before data treatment the right to access own data

Developers





Secure Code

Secure code to avoid vulnerabilities



Access Control

Roles: to avoid unauthorized access or improper actions



Security Tests

To identify and correct vulnerabilities



Security Education

Aprendization and constant atualization of security aspects



Administrators





Monitoring and Incident Response



Atualizations management

Ensure the most recent security features



Audit and Compliance

Ensure compliance with policies and regulamentations



Security Education



Envolved Entities





Confidenciality Agreements

Protection of confidencial shared informations



Access Control



Secure Communications



Transparency and Responsability

Responsability over data violation or improper use

Legal Authorities





Legal Complience

System complient with all the laws and regulamentations os data privacy



Controlled Access to Data

According to legal mandates



User Rights Protection

Guarantee of users right for privacy and personal data protection



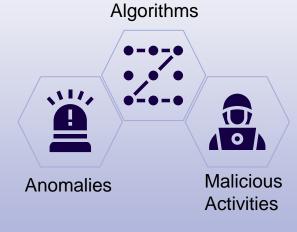


Continuous Monitoring

Wormtorm

Analyse

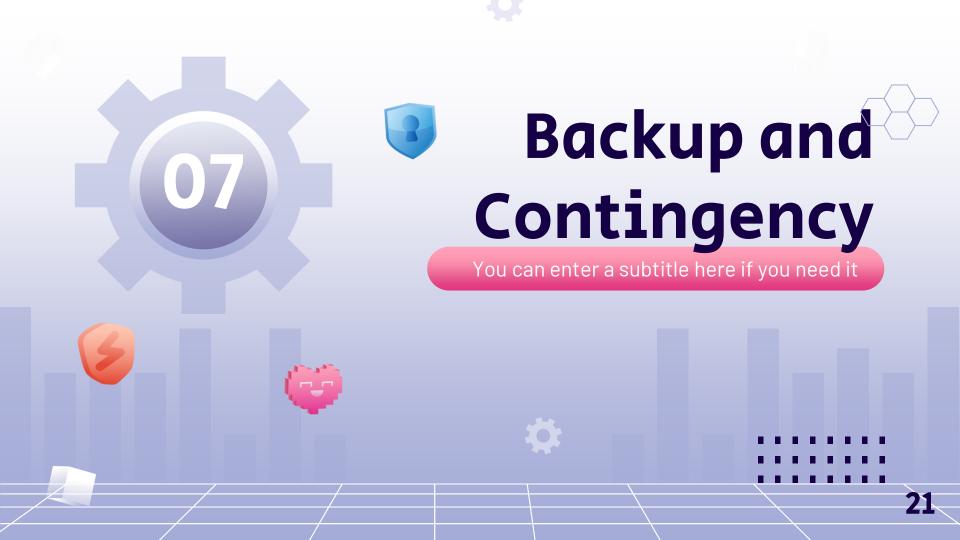
Anomaly and Threat Detection



Registration and Audit

Preventive Measures





Backup Policy

Standard Data Types

risk assessment

Backup Data Encryption



Redundant and Distributed Storage







Thank you! QUESTIONS?

