

ITAPA Conference

Best Practices for Government and Healthcare

Importance of IT infrastructures in Government & Healthcare sectors

Importance of IT infrastructures



Government



Healthcare

Sensitive Personal
Data security

Constant Availability of
assets/services/data

Long-term
archival

Importance of IT infrastructures



Private Cloud



Public Cloud



Hybrid Cloud

Best practices for building IT infrastructure

Availability

Backup and disaster recovery

Security

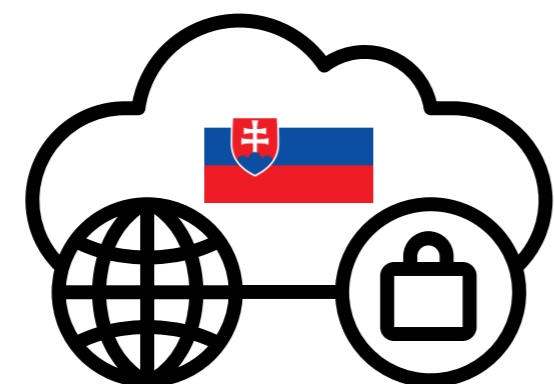
Compliance

IT infrastructure checklist

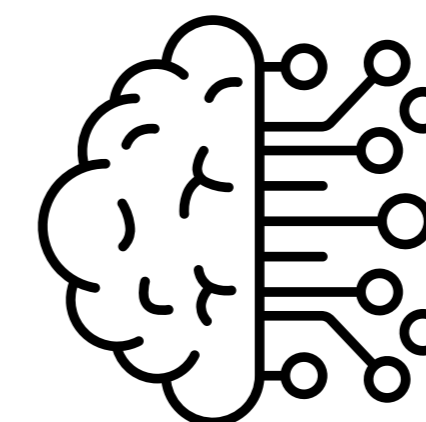
- ✓ Implement a secure and scalable cloud infrastructure
- ✓ Ensure compliance with healthcare regulations
- ✓ Implement robust data backup and disaster recovery measures
- ✓ Implement strong data security measures

Emerging trends for IT infrastructures in Government & Healthcare sectors

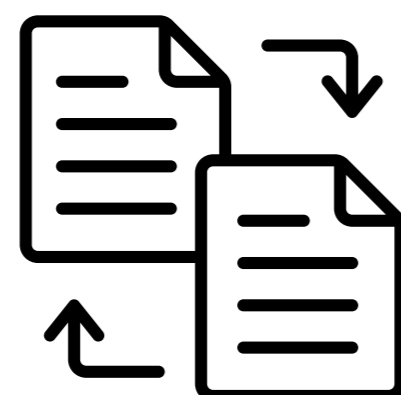
Emerging trends



Sovereign cloud



Implementation of AI



Data sharing mechanisms



Digital identity ecosystems

Biggest threats to digital transformation in Government and Healthcare

Challenges

- ✓ Legacy Systems
- ✓ Security, Regulation & Ethical Challenges
- ✓ Technological Challenges
- ✓ Resource & Education Gaps
- ✓ Infrastructure Challenges
- ✓ Cost Challenges

Ransomware threats

Ransomware damage costs

41%

respondents experienced
ransomware attacks over the
past two years*

140.1 M

ransomware attacks took place
worldwide across industries in the first
half of 2023**

Top 2

Healthcare and Government are most
targeted verticals by ransomware**

*Ponemon Institute study of healthcare organizations, 2022

**SonicWall report, 2023

Steps to protect your infrastructure

- ✓ Regularly update your software and operating systems for latest security patches.
- ✓ Implement a strong firewall and use intrusion detection systems.
- ✓ Regularly backup your data and store backups offline or in secure cloud storage.
- ✓ Train employees on recognizing and avoiding phishing emails and suspicious links.

Stand United!

Government protection needs to be standardized across all endpoints

Security Policies not just being explained for people to tick a box but rather for them to understand their individual importance in the large scale protection of sensitive data



Thank you!