

Security

Dear cloud report readers, as security represents one of the most sensitive topics, especially in public cloud environments, we want to provide the deserved care and attention to this topic. Therefore, starting from this issue we are approaching this topic in an holistic fashion. In this issue we introduce and compare different public cloud service pro-

viders with respect to their compliance offerings regarding the most important security standards for cloud services. As data storage and processing location is highly important in terms of compliance, we distinguish the respective compliance offerings with respect to their region of application. For this reason, the compliance comparison is going to be

part of our cloud report issues permanently, and regularly updated. In the upcoming issues we intend to deepen our view into security by selecting relevant security areas, and comparing the different public cloud service providers respectively, as well as providing guidance with respect to the selected security area. We hope that you find our writ-

ings useful and inspiring. We are always open to feedback for addressing specific topics of interest as well as for further improvement.

Compliance Standard / Cloud Service Provider	AWS	Azure		Google Cloud Platform	IBM Cloud	OTC	OVH
ISO 9001 - Quality management systems - Requirements	yes	yes		no	yes	yes	no
ISO 27001 - Information technology - Security techniques - Information security management systems - Requirements	yes	yes		yes	yes	yes	yes
FIPS 140-2 - Security Requirements for Cryptographic Modules	yes	yes		yes	No	no	no
PCI DSS - Payment Card Industry Data Security Standard	yes	yes		yes	yes	no	yes
ISO 27017 - Information technology - Security techniques - Code of practice for information security controls based on ISO/IEC 27002 for cloud services	yes	yes		yes	yes	yes	yes
ISO 27018 - Information technology - Security techniques - Code of practice for protection of personally identifiable information (PII) in public clouds acting as PII processors	yes	yes		yes	yes	yes	yes
CSA STAR Self-Assessment (Level 1)	yes	yes		no	yes	no	yes
CSA STAR Attestation CSA STAR Certification CSA C-STAR Assessment (Level 2)	yes	yes		yes	no	yes	no
CSA STAR Continuous Monitoring (Level 3)	yes	yes		no	no	no	no
C5 - Cloud Computing Compliance Controls Catalog	yes	yes		yes	yes	no	no
CIS Benchmarks - Kubernetes	yes	yes		yes	yes	no	no
CIS Benchmarks - Hardened Images	yes	yes		yes	no	no	no