PwC's Cloud Transformation Capabilities

Compliance & Governance

Cloud Reliability and Compliance is not a coincidence. It is a choice.

Join us
at the AWS Summit.
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AWS cloud services are relatively easy to pick up. The services are quickly configured and deployed within minutes. However, mastering the design, orchestration and operation of larger hybrid Cloud IT environments in a cloud user organization takes some time and frequent attention. It requires a solid understanding of internal and external compliance requirements, the company's risk profile and risk posture as well as the logical and technical dependencies between business processes and Cloud IT resources. The overall responsibility for compliant and reliable Cloud IT operations is THE one thing, that can not be outsourced to a service provider - regardless how the shared responsibility model looks like.

PwC's Cloud Reliability and Compliance Offering

We support AWS cloud user organizations in all compliance and risk-related matters at every stage of their cloud initiatives. We develop integrated and modular solutions that are precisely tailored to the needs and goals of the individual cloud journey.

Transparency on Compliance	What are the relevant compliance requirements that need to be considered (e.g. ISO 27001, ITIL, GOBD, KRITIS, etc. to name just a few)? We identify, consolidate and analyze the criteria and use it as prerequisite to design appropriate AWS cloud management processes and controls.
Transparency on Risk	Similar to compliance requirements, all cloud-related risks have to be identified and continuously monitored. A comprehensive overview of the relevant Cloud IT risks is essential to establish appropriate Cloud IT risk management procedures within the organization.
Right Level of Guidance	Well-designed and appropriate guidelines are the foundation to ensure compliance, but also to maintain flexibility and agility. Based on our many years of experience in designing cloud governance frameworks, we support our clients to explore and find the right level of guidance.
Reliable Processes	Reliable Cloud IT processes are key to address risks and compliance requirements with appropriate measures. We know that (legacy) IT processes need to adapt, consequently evolve and become robust and reliable to meet objectives and safely realize benefits of the Cloud.
Appropriate Control	Appropriate and effective controls are critical to mitigate risks and ensure the proper operation of cloud based IT. We help our clients to define appropriate controls, set up effective monitoring and ensure that relevant compliance standards are met and adhered to.
Trust in Systems	Trusted systems are properly designed, developed, tested and implemented. Our technical experts perform tool-supported, in-depth reviews based on relevant criteria and best practices (e.g. the AWS Well-Architected Framework) to maximize our clients and their stakeholders trust.

Why PwC?

There is a ton of good reasons why you should choose PwC as trusted advisor to support you in taking your cloud compliance to the next level and to strengthen the reliability and risk posture of your cloud IT operations.

Compliance excellence
We certify and attest cloud service providers (e.g. SOC 1/2 and BSI C5).
We understand the AWS compliance framework and can, complementary, align your risk and control framework.

Success Stories
We have successfully delivered numerous national and international cloud compliance projects with our well proven Cloud Risk & Compliance Framework.

BXT Works
We deliver using our Business, Experience and Technology (BXT) expertise. Our certified specialists and experts provide holistic risk and compliance support for AWS cloud projects.

Trust and transparency
We increase transparency on cloud initiatives state of risk and compliance and strengthen the confidence of the stakeholders that your implementation is reliable.

Cloud Computing is easy to pick up, but hard to master. Because of the low entry hurdles, risk management and compliance cannot be left to coincidence, but need to be pursued rigorously from the start!

Case Study: AWS cloud computing as enabler for risk mitigation and emergency planning

Challenges:
- Ensuring the availability and integrity of an on-premise web service during a large-scale public event.
- The service continuously received and processed data streams from various sources during the event.
- A violation of service availability and data integrity posed a very high risk of reputational damage and negative press.

Solution:
To ensure availability of the web service offering, PwC built a redundant online offering in the AWS cloud.
We also designed and implemented the technical and organizational measures that were necessary to ensure data integrity and to use the application on AWS cloud as a hot standby.
In addition, we designed and implemented the associated emergency plan in form of an emergency manual in accordance with BSI IT-Grundschutz.

Results:
- At the time of the event, the fallback system in the AWS cloud as well as a PwC crisis team were on hot standby and the contingency plan was well known and rehearsed.
- The availability of the primary online service was continuously monitored by an AWS cloud based monitoring and alerting system.
- After the event, the AWS cloud environment was easily deprovisioned, along with the redundant data.

Contact us for further information

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