

Understanding Azure Compliance and Data Protection Standards



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Overview



Discuss some of the common industry compliance standards

Discuss Microsoft's privacy statement

Introduce Azure's service trust portal

Discuss Azure special regions

Understanding compliance

- Will lead to secure Azure deployments
- Save your company money
- Help win contracts you may otherwise have lost



Azure Industry Compliance



Regulatory Compliance

Process of ensuring that you follow the standards or laws laid out by governing bodies

People and process monitor systems to detect and prevent violations

Compliance monitoring can be complex

Azure provides several tools to help us asses our compliance posture



HIPAA

PCI

GDPR

FedRAMP

ISO 27001

Selected Compliance
Standards



Azure Compliance

Global compliance

More than 90
compliance offerings

Industry compliance

Over 35 industry
specific offerings

Blueprints

Deploy compliant
environments

Proof

Access to 3rd party
reports

Azure security center

Unify security
management



Azure Service Trust Portal and Service Trust Center



Azure Service Trust Portal

Contents

**Details of Microsoft's
implementation of controls
and processes**

Access

**Login as an authenticated
user with a Microsoft cloud
service account**



What Will We Find?

**Compliance
manager**

Workflow based risk
assessment tool

Trust documents

Security
implementation and
design information

**Industries and
regions**

Industry and region-
specific compliance
information

Trust Center

Links to the Microsoft
trust center

My library

You can save and
access your compliance
documents



What Is Microsoft Trust Center?

Security, privacy and compliance information

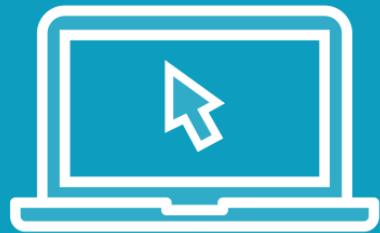
Access to Microsoft product compliance information

Compliance tools

- Compliance score
- Audit reports
- Data protection resources



Demo



**Working with Azure compliance manager
and Azure service trust portal**



Azure Special Regions



Azure Regions

Azure operates in multiple datacenters around the world

These datacenters are grouped into regions such as West US and UK South

You deploy your resources to a region that matches your requirements

Azure special regions exist for compliance or legal reasons.



Azure Special Regions

US Gov

US Gov Virginia and US
Gov Iowa. US
government agencies

China

China East and China
North. Available
through a partnership
with 21Vianet

Germany

Germany central and
Germany Northeast.
Available through a
data trustee model



Azure Special Regions

You must request access to the Azure special regions if you wish to deploy resources to them.



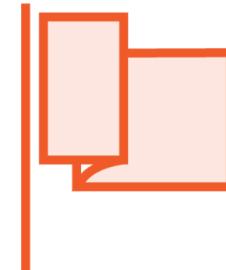
US Gov

Additional compliance certifications such as FedRAMP and DISA. Level 5 DoD approval



China

Microsoft does not directly maintain these data centers



Germany

Customer data remains under the control of T-System, a Deutsche Telekom company



Azure Compliance Resources



Trusted Cloud



Security

Azure helps to keep customer data secure



Privacy

Azure gives customers ownership and control of their own data



Compliance

Azure conforms to global standards



Microsoft Cloud Adoption Framework

Outlines cloud adoption best practices from Microsoft employees, partners and customers

Guidance for business leaders and IT decision makers

Helps you define a business strategy for cloud adoption

Provides guidance on best practice governance of Microsoft cloud services



Azure Compliance Documentation



Starting point for learning about compliance in Azure

Organized into regional and global compliance offerings

Industry specific offerings

- Financial services
- Automotive
- Media
- Energy



Microsoft Privacy Statement

Explains how Microsoft collects and processes personal data and for what purposes

Includes product specific information

Microsoft use personal data

- Improve and develop products
- Personalize products and make recommendations
- Advertising and marketing
- Performance analyses and research



**Microsoft Online
Subscription
Agreement (MOSA)**

**Online Services Terms
(OST)**

**Online Service Data
Protection Addendum
(DPA)**

**Service Level
Agreements**

Service Agreements and
Terms



Dedicated Hosts



Azure Dedicated Host provide physical servers that host one or more virtual machines



Your server is dedicated to your organization



Host-level isolation helps address compliance requirements



Visibility of underlying cores to meet server-based software licensing requirements



Course Summary



Azure AD
Azure AD Domain Services
Role base access control (RBAC)
Built in and custom roles

Identity and Access Management



Governance Tools and Secure Virtual Networks

Azure policy

Azure initiatives

Azure blueprints

Secure virtual networks

- Network security groups
- Application security groups



Azure firewall

Azure DDoS protection

User defined routes

Azure security solutions

Azure Firewalls and User
Defined Routes



Azure Security and Compliance

- Azure information protection**
- Azure key vault**
- Azure monitor**
- Azure security center**
- Compliance**
 - Compliance standards
 - Azure special regions
 - Azure trust center
 - Azure service trust portal



Summary



You learned about some of the common industry standards

Discussed the Azure service trust portal and how we interact with it

You learned about Azure special regions

Course summary

