

Azure Security and Compliance Overview

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Corporate Overview – ValueMomentum Software Services





- Software & Services Firm
- Financial Services & Insurance focused
- Established in 2000 with HQ in NJ, USA
- 150+ dedicated R&D team
- Executive Leadership and Practice Heads based in the US
- Offshore centers are SSAE 16 SOC 2 certified. Clean Rooms for several clients offshore

23%

Compound Annual Growth Rate since 2000

4

Analysts covering ValueMomentum Software & Services

>65

Clients Served in North America 1,850+

Global employee strength

Top 15

IT Services Vendor for North American P&C Carriers by # of customers*

14

>5 Year Customer Relationships Average ~8 years

BUSINESS FOCUS



- Banking & Lending
- Capital Markets



- Property & Casualty
- Healthcare
- Life & Annuities



- Azure Security
- Core Components of Azure Security
- Shared Responsibility
- Empowering you with Security Options and Tools
- Azure Security Center
- Azure Compliance
- Azure Trust Center
- Questions



Azure Security



Cloud Adoption – Risks and Benefits





Pre-adoption concern

60%

cited concerns around data security as a barrier to adoption 45%

concerned that the cloud would result in a lack of data control



Cloud Adoption – Risks and Benefits



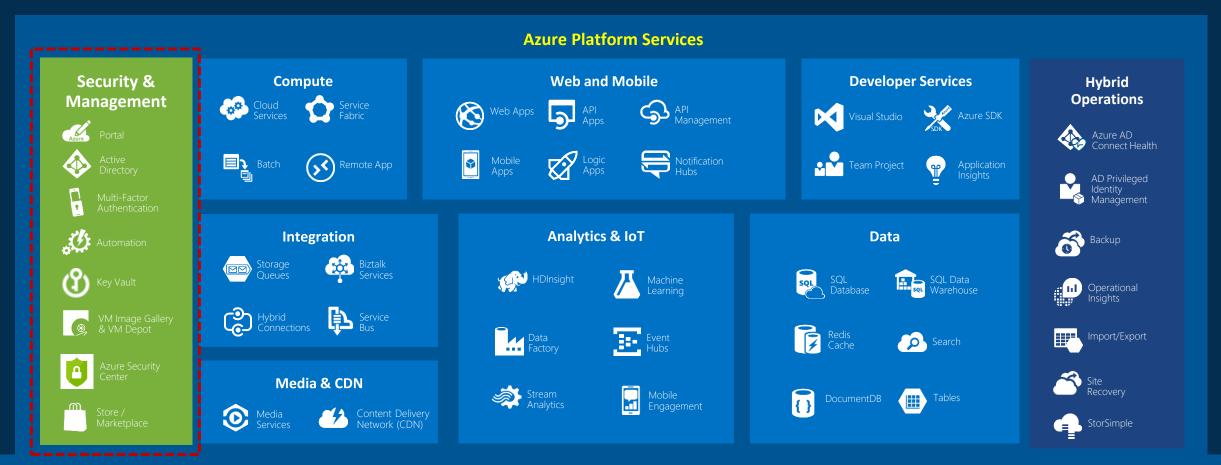


Benefits realized

94%

experienced security benefits they didn't previously have on-premise 62%

said privacy protection increased as a result of moving to the cloud



Azure Infrastructure Services



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Azure Datacenter Infrastructure (50 Regions, 42 Online)

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Azure – A Cloud You Can Trust





Security



The confidentiality, integrity, and availability of your data is protected.

Privacy & Control



No one is able to use your data in a way that you do not approve.

Compliance



You have visibility into how your data is being handled and used.

Transparency



Your content is stored and managed in compliance with applicable laws, regulations and standards.



Core Components of Azure Security





Secure Foundation

Reduce Costs with Microsoft Managed Infrastructure

- ✓ Data Centre Security
- ✓ Azure Infrastructure
 - Secure Multitenancy
 - Network Protection
 - DDoS Defense
 - Data Segregation
 - Data Protection
- ✓ Operational Security
 - o 24 x 7 Monitoring
 - Restricted Access
 - Global Security Experts

Built-In Controls

Simplify Security, Protect Hybrid workloads quickly

- ✓ Identity and Access Management (IAM)
- ✓ Azure Active Directory (AAD)
- ✓ Multi-Factor Authentication (MFA)
- ✓ Role Based Access Control (RBAC)
- ✓ Key Vault
- ✓ Encryption
- ✓ Firewalls (NSG)

Unique Intelligence

Detect new threats and response rapidly

- ✓ Machine Learning
- ✓ Big-Data analysis of Logs
- ✓ Threat Intelligence
- ✓ Behaviour Analytics
- ✓ Forensics



Security is a Shared Responsibility



On-Premises	laaS	PaaS	SaaS
	Applica	tions	
	Dat	а	
	Run <mark>t</mark> i	me	
	Middle	ware	
	0/9	S	
	Virtualiz	zation	
	Serve	ers	
	Stora	ige	
	Netwo	rking	
	Customer	Microsoft	



Empowering You for Secure Services





Security Management

- ✓ Identity & Access
- ✓ Data Control
- ✓ Host Protection
- ✓ Operations Management Suite
- ✓ Azure Security Center

Encryption

- ✓ Key Vault
- ✓ Options for Encryption at Rest
- ✓ Options for Encryption in Transit
- ✓ SQL Encryption
- ✓ Disk Encryption

Secure Networking

- ✓ Network Security Groups
- ✓ VPN
- ✓ ExpressRoute

Partner Solutions

✓ Azure Marketplace



Azure Security Centre









Azure Security Center - Overview







Gain visibility and control

Unified view of security across your Azure resources

Central management of security policies

Integrate with existing processes and tools like SIEM



Protect against attacks

Remediate vulnerabilities with ongoing assessment and recommendations

Rapidly deploy built-in security controls and integrated partner solutions

Reduce attack surface with predictive analytics



Detect threats and respond early

Identify real threats with advanced analytics

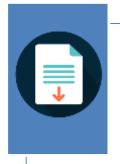
Gain insight into attack campaign with Intelligent Security Graph

Remediate quickly with prioritized alerts and recommendations

Why Azure Security Centre?







Centralized policy management

Ensure compliance with company or regulatory security requirements by centrally managing security policies across all your hybrid cloud workloads.



Continuous security assessment

Monitor the security of machines, networks, storage and data services, and applications to discover potential security issues.



Actionable recommendations

Remediate security vulnerabilities before they can be exploited by attackers with prioritized and actionable security recommendations.



Advanced cloud defense

Reduce threats with just in time access to management ports and whitelisting to control applications running on your VMs.



Prioritized alerts and incident

Focus on the most critical threats first with prioritized security alerts and incidents.



Integrated security solutions

Collect, search, and analyze security data from a variety of sources, including connected partner solutions.

Demo

Let's look at Azure Security Centre

Azure Compliance



What is Compliance?





- Security and Compliance are not the same
- Compliance play a different role
- IT Security is to protect information
- Compliance is a demonstration A reporting Function
 - How your security program meets specific security standards as laid out by Regulatory Organizations such as PCI, HIPPA, ISO



Azure Security Compliance Strategy



- Security goals set in context of business and industry requirements
- Security analytics & best practices deployed to detect and respond to threats
- Benchmarked to a high bar of certifications and accreditations to ensure compliance
- Continual monitoring, test and audit
- Ongoing update of certifications for new services





Azure Compliance - Largest Portfolio





- Comprehensive set of Certifications and Attestations
- Information Security Standards,
 Effective Controls
- Comply with National and Regional Standards
- Azure Trust Centre
 <u>https://www.Microsoft.com/en-us/trustcenter/Compliance</u>
- Azure IP Advantage Program
- Powerful set of tool for GDPR Compliance

Industry



United States





Azure Trust Centre



- The first major cloud provider to adopt the new
- international cloud privacy standard, ISO 27018.
- Safeguards Customer data
- Azure compliance: Data security based on global standards
 - Privacy: How your data is protected
 - Transparency: We are serious about transparency
 - **Azure Government:** About Azure Government
 - Azure industries: Azure solutions are trusted across industries







Questions?



Thank You

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