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Avanade Global Security Practice

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Agenda

1. Who is Avanade?
2. Introduction: Avanade Global Security Practice
3. Security Offerings

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Who is Avanade?

Avanade is the leading provider of innovative digital and cloud services, business solutions and design-led experiences delivered through the power of people and the Microsoft ecosystem.

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Recognized as an industry leader in Microsoft services…

DIGITAL TRANSFORMATION PARTNER OF THE YEAR 2019

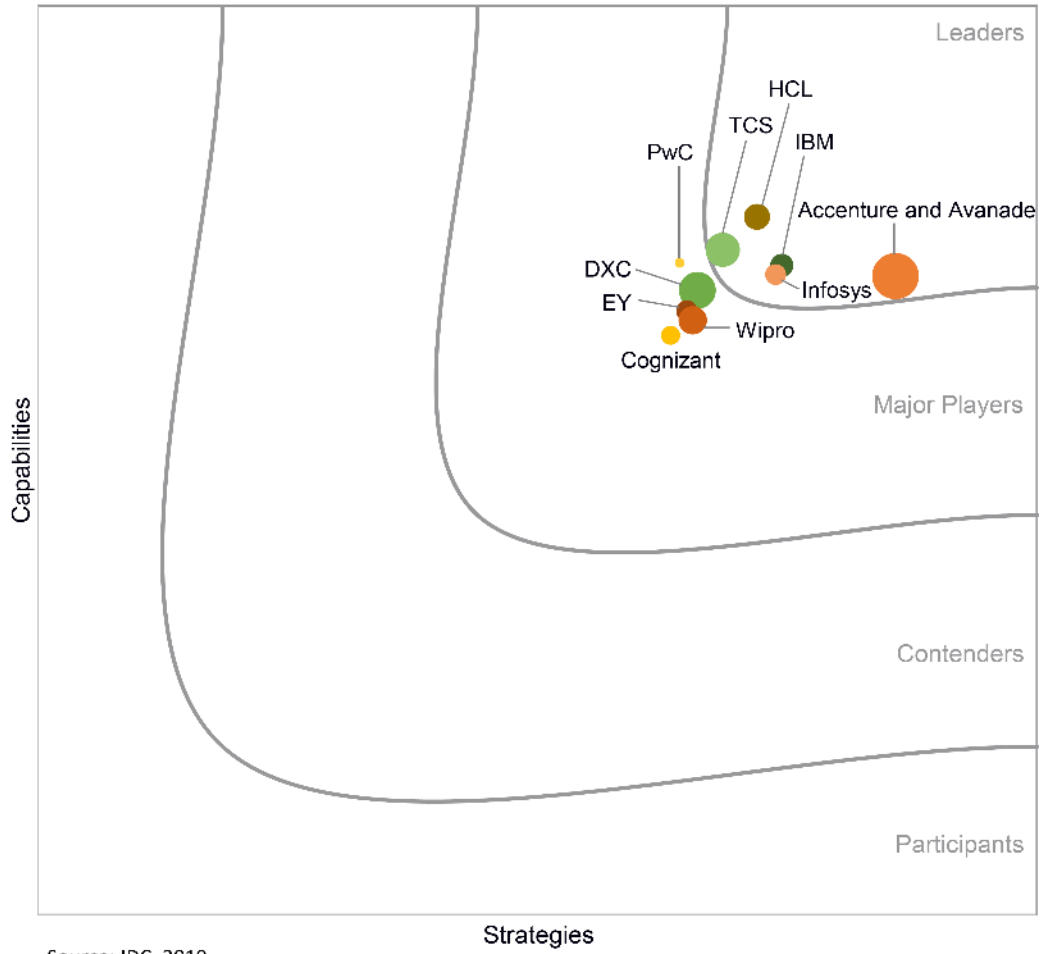
MICROSOFT ALLIANCE PARTNER OF THE YEAR FOR 14 YEARS

MODERN WORKPLACE TRANSFORMATION PARTNER OF THE YEAR FINALIST 2019

INTERNET OF THINGS PARTNER OF THE YEAR 2019

MICROSOFT DYNAMICS 365 SERVICES LEADER IN THE FORRESTER WAVE 2019

IDC MarketScape: Worldwide Microsoft Implementation Services Ecosystem 2019 Vendor Assessment



Source: IDC, 2019

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Including global recognition for our Microsoft security expertise

Microsoft Partner | Gold Security

Microsoft

Among the inaugural list of Microsoft Gold Competency recipients in Security

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Avanade's key differentiators

Our focus on security

Avanade leverages our extensive knowledge to offer a depth of capabilities unmatched by any Microsoft partner

- Unparalleled expertise in securing the Microsoft platform
- Advisory to Implementation to Managed Services capability
- Ability to leverage our partnership with Accenture to extend our portfolio of solutions

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Secure Today, Grow Tomorrow

Avanade Security Framework

Digital Identity

Visibility: Unleash IT efficiency, without sacrificing end-user productivity or experience by protecting digital identities and better controlling access to valuable resources based on contextual risk.

Information Protection

Control: Ensure the right level of security of sensitive information wherever it lives or travels with comprehensive protection across devices, cloud services and hybrid environments.

Application Security

Prevention: Adopt a security by design posture to find, fix and prevent vulnerabilities through integrated security in the business application development lifecycle.

Cyber Defense

Protection: Enhance organizational security with comprehensive protection, detection, investigation and response against advanced threats across identity, apps and data, devices and infrastructure.

Advisory ⟷ **Implementation** ⟷ **Managed Services**

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Digital Identity

Identity lifecycle and Governance

A full lifecycle of Identity and Access Management (IAM) services for the enterprise, covering processes and technologies to securely manage identities and entitlements. Extend the Identity scope to 3rd-party collaboration and end-to-end citizen- or customer-facing IAM services

Access Control Services

Empower users to work more productively and securely anywhere with managed devices. Provide a seamless user experience via a modern authentication framework powered by standards and best practices. Enhance risk mitigation with conditional access and Multi-factor authentication (MFA) capabilities.

Privileged Account Management

Policy-driven services to control access from/to IT assets across servers, network components, end-point, devices and in Azure Cloud (IaaS, SaaS and PaaS). Allows higher level of compliance and monitoring of high privileged behavior.

Identity-centric to enable zero-trust architecture

Identity Management and Provisioning

Access Management and Federation

Role and Compliance Management

Privileged Identity Management

Enterprise Directory

Technology stack

Microsoft	Third-Party Ecosystem Play
MIM, Azure Active Directory Azure AD B2B and B2C	okta, CYBERARK, SailPoint, PingIdentity, SAVIYNT

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Information Protection

Workplace Data Protection

Identify, monitor and automatically protect sensitive information across Microsoft 365 services: control over the access to business assets by implementing processes to protect data values wherever they are used in your modern workplace ecosystem.

Secure Collaboration

Provide access to corporate applications, data and resources from almost anywhere, on any device while keeping information contained. Collaborate more securely with sophisticated attack protection including sandbox detonation, integrated threat intelligence and attack simulation.

Data Privacy and Protection

Address key challenges of privacy and regulatory constraints to secure sensitive business assets by implementing processes to discover, encrypt, mask and classify data values.

End-to-end visibility over sensitive data and assets

Data Labeling and Classification

Encryption and Key Management

Data Loss Prevention

Anti Malware and Phishing

Cloud Access Security Broker

Technology stack

Microsoft	Third-Party Ecosystem Play
Key Vault	GlobalSign.
Cloud App Security	THALES
Disk Encryption	
Azure Information protection	
Storage Service Encryption	

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Application Security

Secure Development Lifecycle

Increase security effectiveness with integrated security by design into the organization's existing DevOps automation toolset and processes. SDLC and DevSecOps can deliver more rigorous security processes and automation leveraging threat modeling approach.

Application Shift to Azure

Evaluate application migration scope inclusive of security needs with a roadmap to cloud aligned to a strategic security vision. Define guiding principles for a secure cloud utilization and address data privacy and sensitive asset protection.

Secure Business Applications

Address security compliance requirements raising the security maturity of your corporate business applications, data platforms and intelligent industry solutions.

Raising security maturity for the digital world

Data Masking

Encryption and Key Management

SAST/DAST

Threat Modeling

Web Application Firewall

Technology stack

Microsoft	Third-Party Ecosystem Play
Application Gateway Web App Firewall Database Security • Transparent Encryption • SQL Firewall • SQL Activity monitoring • NoSQL Security Web / API Security Monitoring DDoS Protection	zscaler CHECKMARX THALES

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Cyber Defense

Infrastructure Security

Protects against known and emerging security threats across the spectrum of attack vectors. Focus is on core MSFT infrastructure, network protection, exploit protection, reputation analysis, attack surface reduction, full disk encryption, app control, isolation and behavior monitoring.

Governance and Risk Management

Define and build a comprehensive program and strategy to embed security throughout the enterprise's public cloud enablement lifecycle. Ensure IT modernization supports a future-proof cyber resilience and evergreen approach.

Security Management

Provides better threat hunting, analysis and remediation capabilities, augmenting the cyber security teams ability to proactively guard against potential threats. Operationalize through a fully-managed as-a-Service model across users, devices, applications, security and infrastructure.

Step-up security level for hybrid infrastructure

Advanced Threat Protection | **Consolidated Reporting** | **Regulatory Compliance** | **Cyber Defense MSSP** | **Infra, Network and Endpoint Security**

Technology stack

Microsoft			Third-Party Ecosystem Play
Intelligent Security Graph	Azure ATP	Azure Policy	paloalto NETWORKS, zscaler, splunk>
Azure Security Center	OMS	Compliance Manager	

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Avanade Managed Security Services (MSS) across your Microsoft ecosystem, on-premises and in the cloud

MANAGED CLOUD & INFRASTRUCTURE SECURITY

Provides visibility into risks and threats within your Azure infrastructure and multi-cloud environment

MANAGED APPLICATION SECURITY

Achieves secure applications and safeguards systems development standards

MANAGED MODERN WORKPLACE

Manages modern workplace infrastructure, integrating and leveraging the best of Microsoft security capabilities

MANAGED THREAT OPERATIONS

Minimizes the risk of digital business disruption to provide a closed loop process from protection to incident response to recovery

MANAGED DIGITAL IDENTITY

Provides access management and large-scale user identities across diverse landscapes

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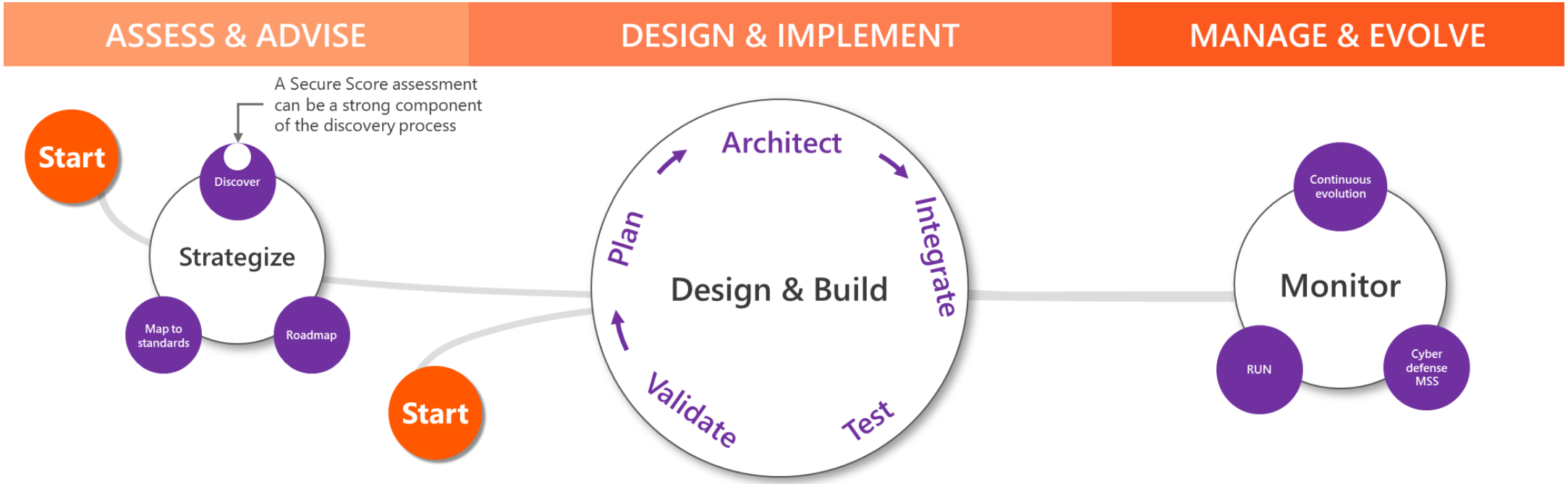
Manage cyber risk & enable trust

Combining a unique mix of business understanding in the security domain and deep technology experience, we define opportunities to become security-ready in this dynamic business environment.



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Industry-relevant security offerings for business resilience

Bringing industry and technology expertise to help organizations be cyber-compliant & cyber-resilient in the Microsoft ecosystem

Comms, Media & tech

- Cloud DevSecOps foundry
- Cloud Security for infrastructure migration
- Workplace SecOps scalability

Financial Services

- Threat protection for Workplace
- Public Cloud DevSecOps
- Information Protection for digital workplace (CASB, DLP, AIP)

Products

- Regulated SAP on Azure
- Workplace data Protection
- Hybrid Identity management

Resources

- Secure payment system via Azure PaaS
- Secure 3rd party IAM platform
- Office 365 Security

Comprehensive End-to-End Security Offerings

Digital Identity

Information Protection

Application Security

Cyber Defense

Managed Services

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Client Evidence

Digital Identity

Context: Multinational consumer goods company is on a strategic journey from on-prem to cloud migration, a major part of this is its IAM infrastructure migration, one of the largest and most complex MIM solutions

Solution: Avanade combined deep digital identity domain and technology experience with expertise in user-centric design to propose an end-to-end capability to help solve the business challenges with onshore experts and offshore managed services capability to enable identity compliance services.

Information Protection

Context: large financial institution which underwent a significant digital/cloud migration to O365. Dealing with highly sensitive financial, policy and regulatory information, this company needed to raise visibility and control over who accesses information from anywhere and on any devices.

Solution: develop and design a complete end-to-end DLP strategy implementing both a technical and operational set of transformations including a data classification, data loss prevention, change management and user awareness/training.

Application Security

Context: global Financial and Insurance organization, deploying new and moving existing applications to Public Cloud required a major shift in the practices of development, continuous deployment and hosting applications and databases

Solution: build and manage a standardized and global DevSecOps platform with best of breed tools and capabilities to create secure CI/CD pipelines and to industrialize application development activities

Cyber Defense

Context: a global consultancy leader, needs review their security posture and identify tools and solutions that help them detect, investigate, and respond to advanced attacks and data breaches on their networks

Solution: Avanade helped up level and scale the capability of their SecOps team through the implementation of Windows Defender Azure Threat Protection which defends against potential threats, compromises and breaches, both external and internal to the enterprise.

More details in appendix

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Avanade Security go-to-market accelerators

Modular and adaptable assessments of your security posture to understand risks, how to mitigate and provide actionable insights specific to each unique environment

Workplace Security Assessment

Review and assess current digital workplace security posture and highlight areas and opportunities available to move to a more secure workplace

- Leverage Microsoft Secure Score to evaluate a client's security posture across EM+S, Office 365 and Windows 10.
- Guidance to balance security and productivity needs by enabling the right mix of available MSFT security features and solutions (3rd-party).
- Create an actionable plan including end-to-end security roadmap to ensure secure collaboration in the borderless enterprise.

Cloud Security Maturity Assessment

Evaluate cloud security maturity and map it to security standards to drive recommendations:

- Define the target cloud model, service and security requirements to support the strategic objectives.
- Scope, enhance and develop the necessary policies, guidelines and procedures that will support the strategic shift to the cloud.
- Extend the client's Information Security Governance and Compliance teams to ensure that the strategic shift into the cloud continues to map to ISO 27k, Gov Info Sec controls and GDPR compliance.

Additional available wedge offerings

Avanade also proposes point focused assessments such as:

- Active Directory Security Assessment
- Various Microsoft Secure Score Assessment (Office 365, Azure, Microsoft 365, Azure Information Protection…)
- IAM Quick Start
- Cloud Transformation Workshop
- App Development Security Assessment
- Advanced Threat Assessment
- Security Portfolio Optimization Assessment
- Secure Remote Working Assessments

https://www.avanade.com/security

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Avanade combines broad experience with Microsoft ecosystem expertise