INTELLIGENT SECURITY AGAINST NEW-AGE THREATS IN THE MODERN WORKPLACE

With Microsoft 365

Infosys®

Navigate your next

The remote and hybrid working models have proved their effectiveness during the pandemic, however, they have also introduced a new set of security complications for organizations. While using multiple devices to access the corporate network from anywhere and Software-as-a-Service (SaaS) applications to accomplish tasks, safeguarding identities, devices, data, and applications across multi-cloud platforms has become incredibly challenging.

80% of breaches involve lost or stolen passwords

60% of BYOD are not secured by IT

34% of all data breaches are caused by insider threats

$1.07 M increase in average cost of a data breach due to remote work

88% of organizations that consolidate their security portfolio diminished their risk of breach

SAFEGUARDING HYBRID WORKPLACES WITH MICROSOFT 365 (M365)

A paradigm shift in cyber security, towards solutions that follow the principles of Zero Trust, is imperative in this era of next-gen cyber threats to ensure the success of hybrid and remote work models. This would enforce -

- Movement from assumption to explicit verification
- Adoption of a policy-based, least-privileged access model
- Designing with the principle that every element of a system can be breached

M365 offers comprehensive modern workplace security based on Zero Trust principles. It's inter-connected products provide a unified experience and secure the customers' highly distributed and hyper-mobile environments with end-to-end offerings and provide best-in-class protection across the entire digital estate – identities, endpoints, data, emails, applications, and cloud.
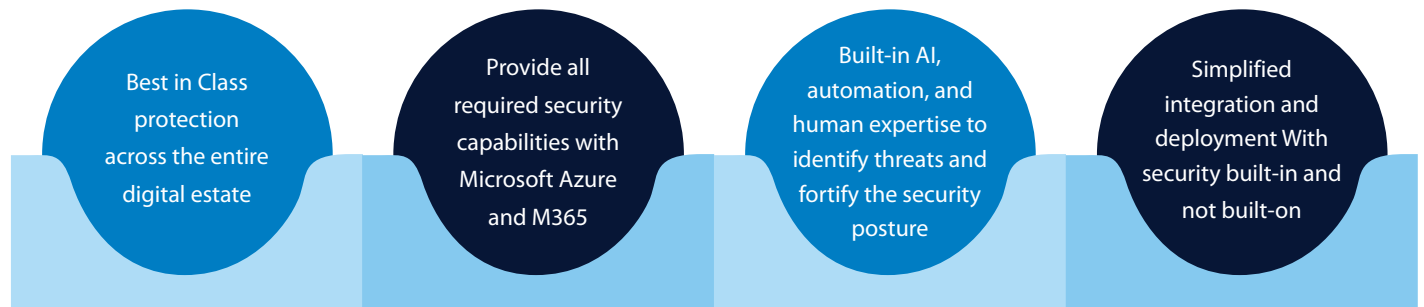
A Zero Trust Security framework should start with securing the people and the devices that they use to get work done. Both are increasingly important as we navigate a hybrid world where employees will work from anywhere across different businesses and personal devices. It is also important for organizations to stay ahead of attackers to end attacks before they happen and cause damage. They also need to be equipped with the tools to understand their vast data landscape, identify, and classify sensitive data to ensure proper protection, apply data loss prevention policies, and meet data compliance or regulatory requirements.

The M365 security products help an organization to build a new security model that more effectively adapts to the complexity of the modern environment, embraces the hybrid workplace, and protects people, devices, apps, and data wherever they are located.

SOLUTION AREAS AND PRODUCT FAMILIES		KEY CAPABILITIES		
MS DEFENDER THREAT PROTECTION SECURITY	• Defender for Endpoints • Defender for Identity • Defender for Cloud Apps • Defender for O365 • Defender for vulnerability	✓ Prevent and block threats ✓ Identify suspicious behavior ✓ Automated self-healing	✓ Cross-domain threat hunting ✓ Identify vulnerable assets and misconfigurations ✓ Narrate the full attack story	
MS ENTRA IDENTITY AND ACCESS MANAGEMENT	• Azure Active Directory Permissions • Management Verified ID Workload identities • Identity Governance	✓ Secure access ✓ Visibility and verification, permission management across multi-platform (Azure, AWS and GCP)	✓ Identity verification ✓ Identity governance ✓ Risk-based policies and enforcement of least privileged access	
MS PURVIEW INFORMATION AND DATA PROTECTION	• Compliance Manager • Information Protection • Data Lifecycle Management • Insider Risk Management • Data Loss Prevention	✓ Understand and govern data ✓ Manage visibility and governance of data and assets across your environment ✓ Safeguard data, wherever it lives	✓ Protect sensitive data across clouds, applications, and devices ✓ Improve risk and compliance posture ✓ Identify data risks and manage regulatory compliance requirements	
MS PRIVA PRIVACY AND COMPLIANCE	• Privacy Risk Management • Priva Subject Rights Requests	✓ Safeguard personal data and build a privacy resilient workplace ✓ Identify critical privacy risks and conflicts	✓ Automate privacy operations and responses to subject ✓ Automate subjects rights requests ✓ Empower employees to make smart data handling decisions	
End Point Manager END POINT MANAGEMENT	• Microsoft Intune • Config Manager • Endpoint Analytics	✓ Manage desktop, mobile, and virtual endpoints in one place ✓ Protect apps and endpoints	✓ Simplify IT workloads and scale deployments with the cloud	

BENEFITS OF M365 SECURITY

- Best in Class protection across the entire digital estate
- Provide all required security capabilities with Microsoft Azure and M365
- Built-in AI, automation, and human expertise to identify threats and fortify the security posture
- Simplified integration and deployment With security built-in and not built-on

Reduced security and IAM-related help desk calls	Reduction in resources required for audit and compliance management	Reduction in the risk of data breach	Increase in efficiency	Cost reduction by
50%	**25%**	**50%**	**50%**	**60%**

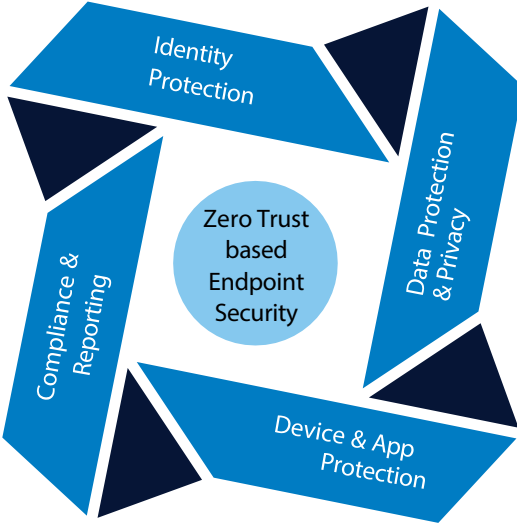# INFOSYS M365 SECURITY SERVICE OFFERINGS

Infosys offers a comprehensive set of Management Consulting, Implementation, and Managed Services to secure a modern workplace using Microsoft solutions.

Consulting and Architecture services:
- Evaluate the security posture of the current digital workplace
- Define Zero Trust implementation Strategy and Roadmap using M365 solutions
- Design and Architect a Threat , identity, and data protection solution

Managed Services:
- Manage the Workplace Security Solutions
  1. Microsoft Defender
  2. MS Entra
  3. MS Purview and Priva
- Monitor and Manage the Security Incident response
- SLA based L1/L2/L3 support

Identity Protection

Data Protection & Privacy

Zero Trust based Endpoint Security

Compliance & Reporting

Device & App Protection

Implementation services:
- Implementation of Zero Trust solution using M365 products
- Implementation of Microsoft Defender products
- Implement data protection and privacy (MS Purview and Priva)
- Design and implement On Premise Active Directory, Azure Active Directory solutions, Azure B2B, B2C, Permission management, Verified ID, Identity governance and workload identities (MS Entra)

OUR SUCCESS STORIES

Integrated security for a leading Transportation and Logistics Company

Integrated security, compliance, and identity solutions for the company with Microsoft Security. The solution included Azure MFA, a Self-service password reset Portal, Defender for O365, AIP, and O365 DLP, and Microsoft Intune for Mobile Device and Application Management. The solution led to 25% reduction in service desk calls due to the enablement of Self-Service Password Reset; 30% cost savings by replacing disparate security products with Microsoft solutions and 40% Reduction in security and compliance-related incidents.

A Europe based Renewable Energy firm gets a secure Modern Workplace

A Modern Workplace solution was implemented for a Europe based Renewable Energy firm leveraging Microsoft Security. The EMS security and Threat protection solution was designed for over 23000 users with Azure Information Protection, Azure MFA, and Self-service password reset. MS advanced threat analytics for protecting the organization from advanced targeted cyber-attacks and insider threats. 40% reduction in the number of issues related to security and compliance; 30% cost saving per user per month and ensured secured access to Office 365 applications from the Internet.

References:
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https://www.microsoft.com/security/blog/2022/01/12/microsoft-zero-trust-solutions-deliver-92-percent-return-on-investment-says-new-forrester-study/

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