Microsoft Security

Executive order on improving the nation’s cybersecurity

Microsoft Federal Resources

Federal Zero Trust modernization plan

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Zero Trust phased rollout plan to accelerate modernization

Phase 1: Identify and monitor	**Phase 2:** Reduce risk	**Phase 3:** Increase protection
• Enable single sign-on to applications • Set up Conditional Access to enforce MFA • Register devices and remotely provision and deploy new devices	• Enable Risk-based Conditional Access • Enable Identity Protection • Enforce cloud-only dedicated cloud administration accounts	• Enforce BYOD MDM enrollment • Proactively manage updates, patching, policies and monitor device health • Enable endpoint detection and response with Microsoft Defender for Endpoint
• Connect on-premises infrastructure to cloud • Every workload is assigned an app identity • Establish and monitor micro-perimeters with landing zones and Azure Firewall • Monitor cloud security posture with ASC	• Deploy Azure virtual desktops SAW and restrict server management with Azure Arc DSC for hybrid micro-segmentation • Enable network and infrastructure anomaly detection with Azure Sentinel	• Control session with MCAS app protection • Protect workloads with Azure Defender • Enforce additional micro-segmentation with Azure Policy and Network Security Groups/Application Security Groups
• Use Azure AD SSO for cloud apps • Use Azure AD App Proxy to enable access to on-premises web apps	• Define Sensitive data types and enable automated labeling • Monitor aggregate sensitive data flows	• Enforce data and application access policies • Enable Information Protection policies • Utilize Information Protection ML classifiers for custom detections