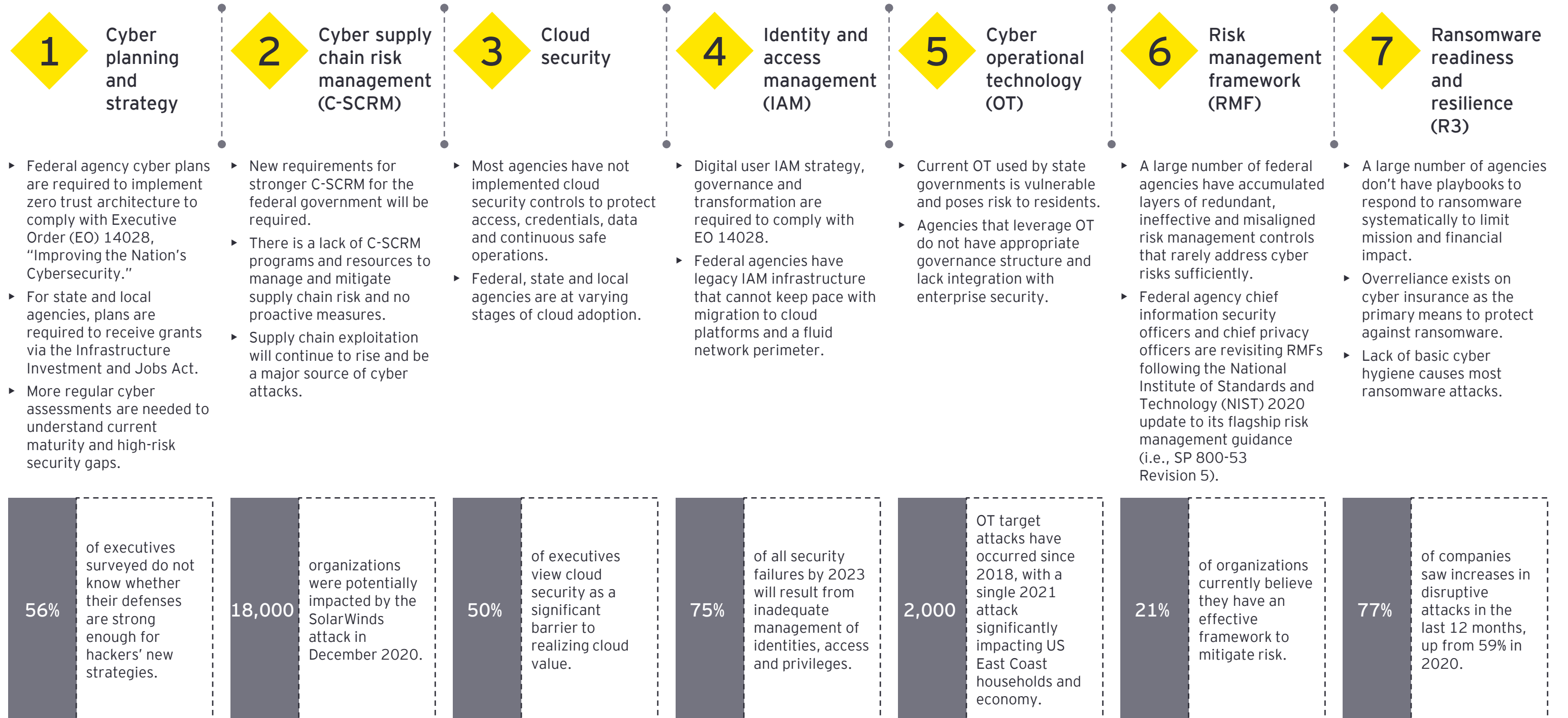


Top government and public sector cyber trends



How can Ernst & Young LLP help?

<p>1 Cyber planning and strategy</p> <p>EY cyber program assessment</p> <ul style="list-style-type: none"> ▶ Diagnostic capability tied to NIST security domains ▶ Maps to multiple compliance standards and security frameworks ▶ Benchmarking across multiple capability areas ▶ Results in actionable road map with initial cost estimates, project priority and implementation level of effort to include “quick win” opportunities 	<p>2 Cyber supply chain risk management (C-SCRM)</p> <p>EY C-SCRM offering</p> <ul style="list-style-type: none"> ▶ Proprietary risk-scoring capability that utilizes commercial data sets resulting in custom watch lists ▶ Combination of multiple data streams to include financial, geopolitical and technical factors ▶ Alignment to NIST compliance standards ▶ Ongoing monitoring capability to capture new risks over time ▶ Ability to stand up a program within weeks 	<p>3 Cloud security</p> <p>EY cloud security focus areas</p> <ul style="list-style-type: none"> ▶ Cloud security assessment and strategy – align to NIST cloud security assessment framework ▶ Cloud security posture management – tracks and protects against misconfigurations ▶ Micro-segmentation and zero trust – limit the risk of lateral movement and insider threats ▶ Hardware security module – device designed to store secret keys used to verify certificates and encrypt and decrypt data 	<p>4 Identity and access management (IAM)</p> <p>The EY Cybersecurity IAM offering includes the following:</p> <ul style="list-style-type: none"> ▶ IAM architecture and engineering ▶ Unique integration capabilities between IAM systems to provide complete governance across the IAM stack (e.g., privileged access management and identity governance systems integration) ▶ Zero trust architecture for IAM ▶ Ability to stand up a program within weeks with skilled resources hard to find in industry 	<p>5 Cyber operational technology (OT)</p> <p>EY OT cybersecurity offering includes the following enablers:</p> <ul style="list-style-type: none"> ▶ OT cybersecurity governance ▶ Roles and responsibilities ▶ Use of artificial intelligence/machine learning and risk analytics to provide an evidence-based business risk and cyber risk exposure <p>Supports mapping to NIST security controls</p>	<p>6 Risk management framework (RMF)</p> <p>The EY RMF solution has:</p> <ul style="list-style-type: none"> ▶ Next-generation RMF, including assessment, road map and federal strategy (e.g., pre-audit support and alignment with NIST and FedRAMP requirements) ▶ RMF engineering using governance, risk, and compliance technologies and analytics, as well as robotic process automation ▶ Authorization to operate acceleration, including risk dashboards 	<p>7 Ransomware readiness and resilience (R3)</p> <p>The EY R3 solution has:</p> <ul style="list-style-type: none"> ▶ Understanding of unique risks and enumeration for rapid remediation ▶ Enhanced capability to identify, protect, detect, respond and recover from a ransomware event ▶ Action to secure business operations
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Client examples						
<ul style="list-style-type: none"> ▶ Cyber program and maturity assessments for multiple state agencies ▶ Development of cyber strategy and road maps for state agencies 	<ul style="list-style-type: none"> ▶ Governance, risk and compliance technology implementation and process design for third-party risk management processes ▶ Ongoing support for a transportation authority 	<ul style="list-style-type: none"> ▶ Cloud strategy development, implementation and migration, including security controls and processes ▶ Cloud application modernization and cloud data governance and controls for a US military service 	<ul style="list-style-type: none"> ▶ User identity governance architecture for a large federal agency component that reduced IT audit findings from 41 down to 1 in two years ▶ IAM stacks for three components of a Global 360 account 	<ul style="list-style-type: none"> ▶ Setup of an OT security operation center for a state department of transportation ▶ Security assessment of OT capability for transportation authority 	<ul style="list-style-type: none"> ▶ Multiple RMF strategy and engineering engagements for a US military service and five federal agencies 	<ul style="list-style-type: none"> ▶ Ransomware readiness assessment for a state agency ▶ Response to multiple malware and ransomware incidents ▶ Tabletop exercise for state health agencies

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