Intelligent cyber automation

The world is being digitally transformed everyday. With an increasing number of smart and emerging technologies coming online, the cyber professionals are challenged with the tasks of analyzing more data and alerts and constantly playing catch-up.

With intelligent cyber automation, companies can automate manual and repetitive processes to allocate more time to critical tasks. We have created use cases to cover all cyber domains from SOC automation to cyber policy Orchestration in on-prem and cloud environment using diverse automation and orchestration processes and technologies such as SOAR (security orchestration automation and response), RPA (robotic process automation) and IaC infrastructure as code).

EY professionals utilize a custom automation process framework to help prioritize automation use-cases to implement based on level of effort, ROI (return on investment), error reduction rate, and threats assessed. By using this approach, clients can quickly gain quantitative insights and benefits

EY wavespace™

We have designed EY wavespaces to generate possibilities, find answers faster and get people aligned – whether the goal is to enhance, transform or disrupt. EY wavespace inspires human ingenuity. It accelerates creativity to help organizations thrive in the transformative age. In wavespace, we curate talent and technology, bringing them together in a collaboration proven to energize and align teams, so they can solve problems and create outcomes that matter.

Why Ernst & Young LLP (EY)?

Industry qualified experience

- Dedicated practice group with a proven methodology and ability to scale rapidly to meet client needs
- Familiarity with enterprise-scale deployments including Fortune 25 companies
- Industry thought leader: Presented automation topics at: RSA, IBM Think, Splunk.conf, Blackhat, NH-ISAC
- Implementation experience with industry leading service providers and platforms
- Robust library of custom integrations and automation playbooks
- Ernst & Young LLP has experience with industry-leading SOAR platforms including Splunk Phantom, QRader, Demisto, CrowdStrike, AWS S3, Resilient, ServiceNow and Virus Total

Industries served
Energy
Insurance
Life Sciences
Telecommunications
Media and Entertainment
Financial Services
Home Improvement

Qualified
10
Industry leading certifications

Experience
The Intelligent Cyber Automation team member has an average of 12 years of experience.
12

Efficiency
Realized from incident response event triage automation engagement to reduce manual efforts
3.39 FTE

$1.9m
Cost Savings
From integrations and automations that streamlined manual processes

Clients served
30
worldwide

Industry recognition
2 Whitepapers
6 Conferences
2 Awards

Customizations
14 Developed Playbooks
3 Strategic Offerings
4 Custom Integrations
4 Automation Categories
6 Custom Dashboards

Quick ROI
Automation projects produce a return of investment in less than one year.

Challenges Intelligent cyber automation (ICA) can help address

"Automation takes a tremendous amount of effort to make things look easy"

"Resources are a key issue: 30% of organizations are struggling with skills shortages"

"With an increased threat surface, the number of alerts is constantly on the rise"

"Agile and DevSecOps go together; Automation is key."

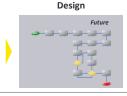"By 2022, global shortage of 2.5m cybersecurity professionals"

"By 2023, AI-enabled automation in data management will reduce the need for IT specialists by 20%"

"By 2024, organizations will lower operational costs by 30% by combining automation with redesigned processes"

"By 2025, more than 90% of enterprises will have an automation architect, up from less than 20% today."
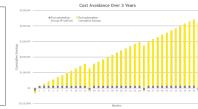
Sources: ISACA, EY, Gartner, Palo Alto Networks, MITRE

EY automation methodology

Assess — Curent | Design — Future | Prioritize | Agile development

Cost avoidance over 3 years

Cost Avoidance Over 3 Years

Cyber automation opportunities across organizational functions

SOC automation
- Automation strategy and road map assessment
- Playbook design and development
- SOAR platform implementation
- Managed service for platform tuning and engineering
- Assessment of data sources and integration points for automation readiness
- Tune SOAR platform out-of-box use cases

Product life cycle automation
- Secure infrastructure deployment (Terraform, Ansible, Chef, and Puppet)
- DevSecOps CI/CD pipeline automation
- Container security automation
- Security as code
- DevSecOps custom security tool creation

Cyber hygiene optimization
- Playbook design and automation to ingest and enrich vulnerability management (VM) data prior to remediation
- SSL certificate management playbook design
- Automation retesting of findings from penetration testing

Cyber policy orchestration
- Automation and orchestration of zero trust firewall operating model
- Automation of user account provisioning
- Cloud security policy automation
- Automated self-healing network

EY | Assurance | Tax | Strategy and Transactions | Consulting

About EY
EY is a global leader in assurance, tax, strategy, transaction and consulting services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. Information about how EY collects and uses personal data and a description of the rights individuals have under data protection legislation are available via ey.com/privacy. For more information about our organization, please visit ey.com.

Ernst & Young LLP is a client-serving member firm of Ernst & Young Global Limited operating in the US.