

CYBERSECURITY SERVICES

for Election Officials

To address the challenges of evolving election security needs and reduced federal support, this document describes essential election operations cybersecurity services available using a paid service model. Listed in priority order, these are the services most disrupted by changing federal support. The list includes services considered to be essential or baseline for all election organizations as well as more advanced services.

The vendor information provided in this document is for convenience only. Listing a vendor is not intended to be an endorsement of their products or services.

Before making any purchases, contact your State Election Office to confirm whether these services are already provided in your jurisdiction. You may also wish to consult your State Procurement Office to determine if existing contracts are available for you to leverage.

Cost will vary depending on the size of the organization. The amounts listed below range from the cost for small organizations to large organizations.

If you have any questions, please contact us at support@securingelections.org.

Cost icon:  Shows the relative cost of one service to another (specific cost information provided).

Barbell icon:  Shows the relative level of effort to install a service and maintain it over time, compared to another service.

ESSENTIAL CYBERSECURITY SERVICES *All Organizations (In-House or Vendor-Managed)*

Protective DNS

This service filters internet requests to prevent connections to harmful web domains, limiting infections (e.g., malware, ransomware, phishing, other cyber threats) by acting as a security checkpoint for the internet's address book.

Vendors

Akamai, Cisco, Cloudflare, CrowdStrike, LevelBlue, MS-ISAC, Palo Alto Networks, Redscan

Cost



\$1,000–\$10,000 per year

Effort to Implement



Staff Training & Awareness

Teach staff best practices essential to security, including spotting phishing, using secure passwords, and avoiding risky behavior.

Vendors

Cybrary, Huntress, InfoSec Institute, KnowBe4, Proofpoint Security Awareness, Terranova Security

Cost



\$100–\$10,000+ per month

Effort to Implement



ESSENTIAL CYBERSECURITY SERVICES

All Organizations (In-House or Vendor-Managed)

Phishing Campaign Assessments

This security test sends simulated phishing emails to employees to evaluate how likely they are to fall for real phishing attacks. The goal is to identify vulnerabilities in user behavior, raise awareness, and improve an organization's ability to detect and respond to phishing threats.

Vendors

Cofense, IRONSCALES, KnowBe4, Microsoft, PhishCloud, Phished, PhishingBox, Proofpoint, TitanHQ

Cost



\$500–\$30,000 per year

Effort to Implement



Multifactor Authentication (MFA)

This security product/practice requires users to verify their identity through multiple methods during log-in, such as a password and a temporary code from your phone or an app.

Vendors

Duo Security, Google Workspace, LastPass MFA, Microsoft, Okta, Ping Identity, RSA SecurID, Symantec

Cost



\$3–\$10+ per user per month

Effort to Implement



Endpoint Detection and Response (EDR)

This cybersecurity product continuously monitors devices, such as computers, phones, and servers, to detect, investigate, and respond to suspicious activity or threats.

Vendors

CIS, CrowdStrike, Fortinet EDR, LevelBlue, Microsoft, Palo Alto Networks, SentinelOne, Sophos, Trend Micro

Cost



Up to \$5,000 to establish with lower annual costs

Effort to Implement



Vulnerability Scanning & Management

This cybersecurity product continuously evaluates an organization's public-facing systems, including computer systems, networks, websites, and/or software, to identify weak spots that hackers could potentially exploit.

Vendors

Arctic Wolf Managed Risk, Censys, CISA, CrowdStrike Falcon Spotlight, Intruder Platform, LevelBlue, Palo Alto Networks, Qualys, Rapid7, Security Scorecard, Tenable

Cost



\$600–\$5,000+ per year

Effort to Implement



ADVANCED CYBERSECURITY SERVICES

Organizations Seeking to Develop Capabilities Beyond Essential Services

Encrypted & Offline Data Backups

This practice keeps secure copies of important files, data protected and disconnected from the internet so malicious actors/software cannot access them.

Vendors

Acronis, Carbonite, Datto, Dell, IBM, Veeam, Veritas

Cost



\$50–\$10,000+ per month

Effort to Implement



Regular Software & Patch Management

This practice keeps programs and systems up to date by installing the latest updates and security fixes on network devices and computers as well as phones, smart TVs, smart security systems (e.g., security cameras, doorbells, thermostats), etc.

Vendors

Ivanti, ManageEngine, Microsoft, NinjaOne, PDQ Deploy

Cost



\$100–\$10,000+ per month

Effort to Implement



Centralized Log Management

This product is used to collect and store logs (records of system activity) from computers, servers, and devices in one place for more efficient searches and problem or attack detection.

Vendors

Elastic Log Monitoring, ExaBeam, ManageEngine, Rapid7, Splunk

Cost



\$100–\$10,000+ per month

Effort to Implement



Security Information & Event Management System (SIEM)

This product collects and analyzes security data to search for, detect, and alert on threats or suspicious activity.

Vendors

Cybriant, Google, Graylog, Kroll, LogRhythm, Logz.io, Microsoft Sentinel, Optiv, Splunk, Sumo Logic

Cost



Up-front on-premises cost: \$10,000–\$1,000,000+
Monthly cloud cost: \$300–\$50,000+

Effort to Implement



24/7 Network Monitoring

This product continuously monitors computer networks to quickly spot and fix problems or security threats.

Vendors

Arctic Wolf, Cisco, CrowdStrike, Datadog, LogicMonitor, ManageEngine, Nagios, Rapid7, Tenable

Cost



\$300–\$20,000+ per month

Effort to Implement



Network Segmentation

This practice divides a computer network into smaller segments to improve security and performance. It creates "walls" to contain any attacks to isolated sections and protect the overall integrity of the network.

Vendors

Arista Networks, Check Point, Cisco, Fortinet, Illumio, Juniper Networks, Palo Alto Networks, VMware

Cost



\$5,000–\$1,000,000+

Effort to Implement



ADVANCED CYBERSECURITY SERVICES

Organizations Seeking to Develop Capabilities Beyond Essential Services

Intrusion Detection and Protection Systems/Albert Sensors

This security tool monitors network or computer activity to detect suspicious behavior or potential cyberattacks and provide alerts when something unusual or unauthorized happens.

Vendors

Cisco, CIS/MS-ISAC, Darktrace, Fortinet, Juniper, LevelBlue, Palo Alto, Redscan

Cost



\$3,000–\$50,000+

Effort to Implement



Remote Penetration Testing (RPT)

Ethical hackers conduct an assessment by attempting to break into a network or systems from a remote location just as real hackers would.

Vendors

CrowdStrike, IT Audit Labs, NuHarbor Security, OnDefend, Rapid7, Secureworks

Cost



\$50,000–\$100,000

Effort to Implement



Ransomware Readiness Assessment

This review of an organization's ability to prevent, detect, respond to, and recover from a ransomware attack helps identify weaknesses and recommends improvements to reduce the risk and impact of such attacks.

Vendors

Arctic Wolf, CrowdStrike, GuidePoint Security, IT Audit Labs, Kroll, Mandiant, OnDefend, Optiv, Palo Alto Networks, Rapid7, Secureworks, Sygnia, Trustwave

Cost



\$3,000–\$30,000+ per year

Effort to Implement



Threat Intelligence Services

This product can help an organization understand the threat landscape by providing actionable information about evolving or emerging cyber threats. It is information that has been collected, processed, and analyzed to understand a threat actor's motives, tactics, and behaviors.

Vendors

CIS, Cisco, CrowdStrike, Feedly, Flashpoint, Google, Microsoft, Palo Alto Networks, Recorded Future, Shadowserver

Cost



\$10,000–\$100,000 per year

Effort to Implement



Zero Trust Architecture

This is a security model that assumes no one—inside or outside the network—should be trusted automatically. It means “never trust, always verify.” Every user and device must prove they are safe before getting access.

Vendors

Cisco, Fortinet, Illumio, Microsoft, Okta, Palo Alto Networks, VMware, Zscaler

Cost



\$20,000–\$5,000,000+

Effort to Implement



ELECTION SECURITY RESEARCH PROJECT

A joint effort between



CENTER FOR
TECH AND
CIVIC LIFE

PLEJ
PARTNERSHIP FOR LARGE
ELECTION JURISDICTIONS

E The
Elections
Group

and a COHORT OF ELECTION SECURITY EXPERTS