Legislative Commission on Cyber Security (LCCS)

Tarek Tomes | State Chief Information Officer

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Who is MNIT?

The Information Technology agency for Minnesota's executive branch

- Led by the state's Chief Information Officer.

- Sets IT strategy, direction, policies, and standards for enterprise IT leadership and planning.

- Build, maintain, and secure the state's IT infrastructure, applications, projects, and services.

- We deliver enterprise and local technology solutions for Minnesota state agencies that transform how government brings services to the people of Minnesota.

MNIT Partners to Serve Minnesotans

Provide services to both executive branch and non-executive branch partners.

- **Executive branch partners**
  90+ agencies, boards, councils and Commissions in the State of Minnesota
  (**see in scope and out of scope entities)

- **Non-executive branch partners**
  higher education, school districts, public libraries, legislative branch, judicial branch, constitutional offices, counties, cities, and other government organizations in the State of Minnesota.

** [MNIT Information Security and Risk Management Applicability Standard](#)

OUR MISSION

We partner to deliver secure, reliable technology solutions to improve the lives of all Minnesotans.
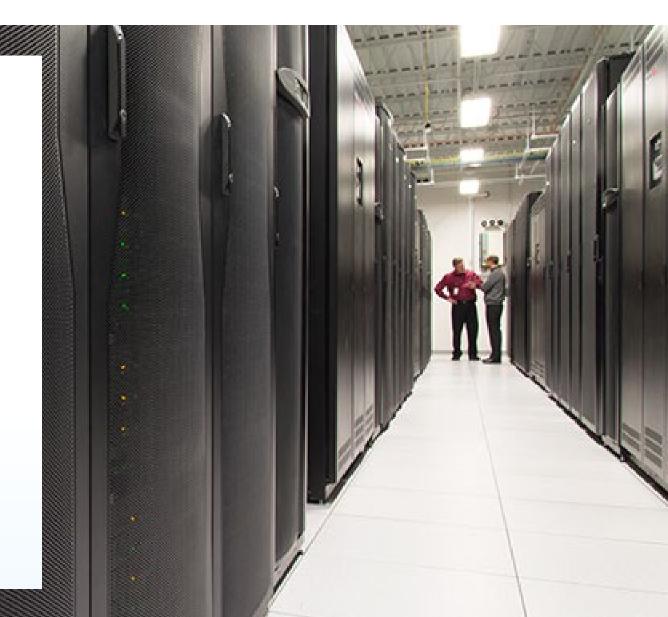
MNIT by the numbers

2,400+
Employees

2,800+
Number of applications
supported

339,381
Service desk tickets
across the executive
branch

186,361
Tickets resolved the
same day (54.9%)

220+
Number of websites
we host and support

415
Total projects
tracked

81
Total projects
started

2,832
Number of security
incidents resolved

4,476
Purchase request
volume

114
People who took the
public Accessible Word
training course in 2020

1,676
People who took the
public Accessible Word
training course since
its launch

20
Number of geospatial
projects supported
and hosted

897
Total resources on the
Minnesota Geospatial
Commons

98,374,608
Number of hits on
the geospatial
image server

1,900
Average monthly
conversations in
COVID-19 chatbot

Reduce the Attack Surface

Enterprise Services

- Communication and Collaboration Tools
- Hosting/Data Centers (49 → 5)
- Human Resources
- Infrastructure
- Network
- Portfolio Management Office
- Procurement
- Security
- Service Desk
- Workstation

Services for Executive Branch Partners

Connectivity

Helping our partners stay connected and carry out day-to-day business.

End User Support

Making it possible for our partners to create an efficient and flexible workplace.

Infrastructure

Secure virtualized hosting solutions.

Platform

Allowing our partners to develop, run and manage their applications with ease.

Software

Services that host data and applications which are made available to the internet.

Other services

Offering a wide array of secure solutions, ranging from hardware to hosting.

Services for Non-Executive Branch Partners

LAN

A computer network that links devices within a one physical location.

WAN

Providing access to applications and information that employees need to do work.

Voice

Business quality voice communications and a varied set of related features.

8

MNIT Strategic Plan

Cultivate a holistic and Connected Culture

Fortify the value and delivery of projects and initiatives

Promote people-centered digital government services

Elevate Minnesota's Digital Estate

Bolster successful state cybersecurity efforts

National metrics on Cyber Threats

3,300,000,000
Brute Force or Credential Stuffing Attempts

1,900+
2020 Threat Groups

70% Double Extortion
Ransomware + Data exposure (next is DDoS)
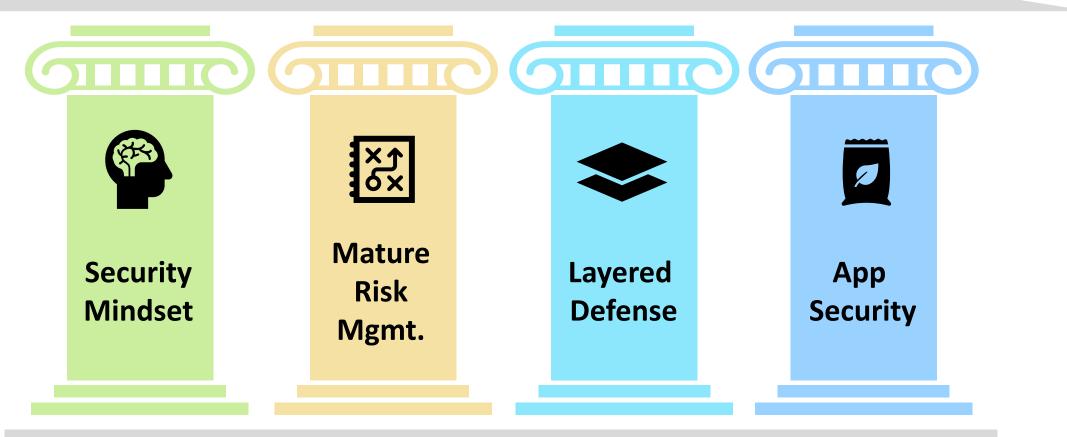
21 Days Average
Ransomware Downtime

514
2020 New Malware Families

Enterprise Security Strategic Plan Goal Areas

Bolster successful state cybersecurity efforts

Security Mindset

Mature Risk Mgmt.

Layered Defense

App Security

Strategic Planning

MNIT Enterprise Information Security Program

Statewide Security Monitoring Initiative
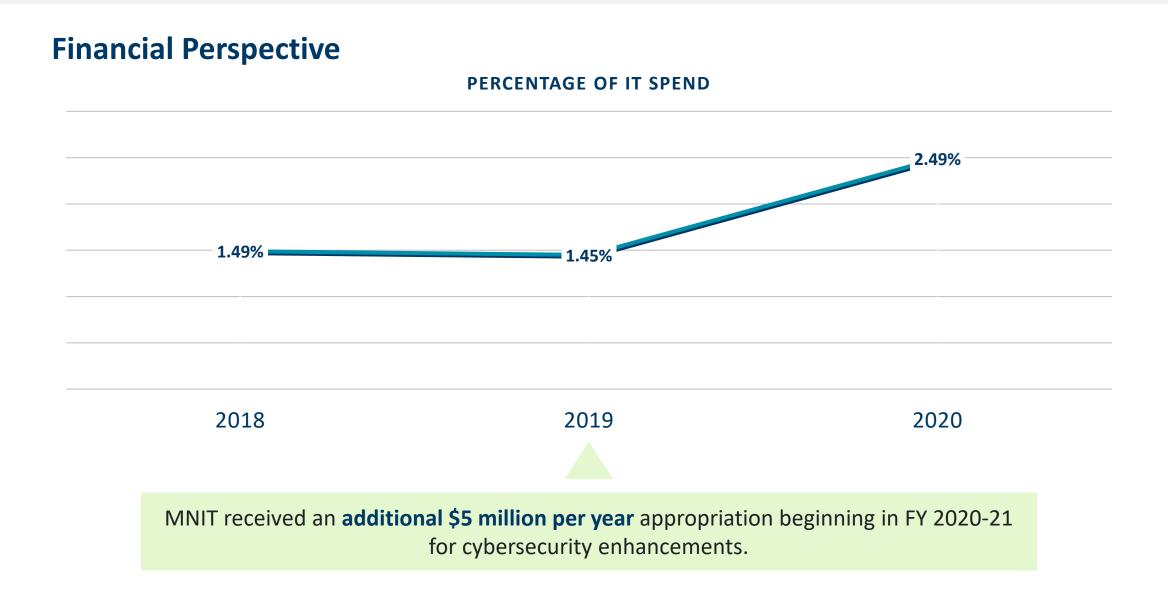
Homeland Security Grant Program

- Enhance Perimeter Defenses

- Active Vulnerability Management

- Managed Detection and Response

- Incident Response Services

Statewide Initiatives

- Minnesota Fusion Center – Cyber Team

- Election Security

- Collaboration and Threat Intel sharing

MNIT Security Capacity

Financial Perspective

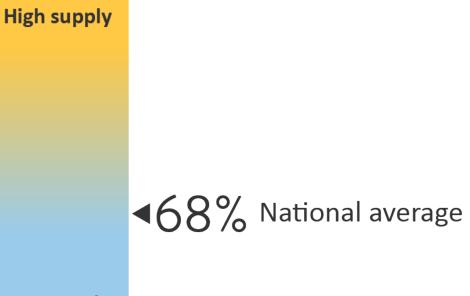**PERCENTAGE OF IT SPEND**

2018   2019   2020

1.49%   1.45%   2.49%

MNIT received an **additional $5 million per year** appropriation beginning in FY 2020-21 for cybersecurity enhancements.

National cyber workforce shortages

Total cybersecurity job openings

597,767

Total employed cybersecurity workforce

1,053,468

Supply/demand ratio

High supply

◄**68%** National average

Low supply

Source: cyberseek.org

Thank you!

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