

# University of Wisconsin-Madison Cybersecurity-at-a-Glance

Tools

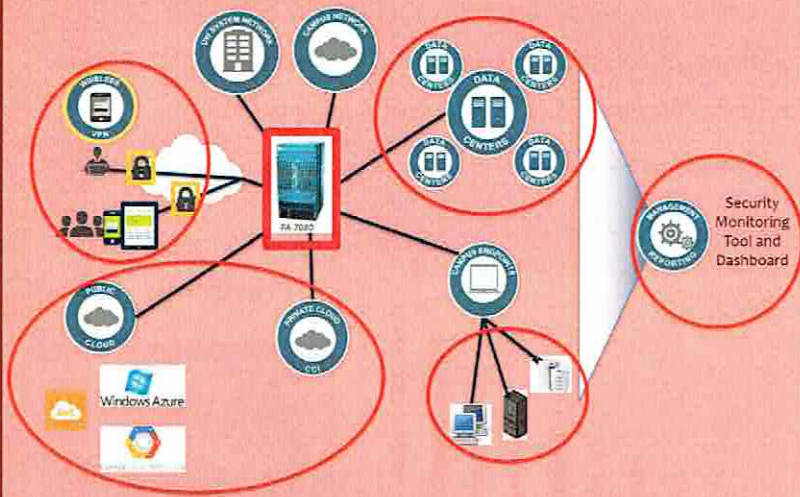
Policy

User Behavior

Sensitive Data

The closer you get to the data, the tougher it is to maintain security controls

## Campus Security Architecture (Simplified)



### Network Component

### Number

Number of Networks	~2900
Number of Firewalls (appliance and virtual)	>490
Routable Internet Protocol Addresses/Number of End Points	120,000
Estimated number of data and application servers	>6000
Number of web servers (based on scan data)	~ 5,300
Total number of Users with NetID	~140,000
Average number of User devices connected by Campus Wireless per day	40,000
Number of Staff with cybersecurity credentials or filling a security role	< 60

## UW-Madison Cybersecurity Strategy

### Strategic Elements

### Enabling Objectives

Data Governance and Information Classification Plan	Retain previous strategy's actions ("find it/delete it/protect it")
Establish the UW-Madison Risk Management Framework	Enable & support culture to value cybersecurity & reduce risk
Build community of experts/improve user competence (SETA)	Establish Restricted Data Environments
Consolidate Security Operations & institute best practices	Central data collection/aggregation to analyze security events
Improve Cyber Threat Analysis/Dissemination/Remediation	Identify and seek sources of repeatable funding
Optimize Services, Security Metrics, Compliance & CDM	Identify UW-Madison compliance issues (FERPA, HIPAA, PCI-DSS, Red Flags Rule, etc.)
Establish Collaborative Partnerships to assure teaching and research availability (WisconsinIdea)	Develop and refine sustainable security ops/risk assessments
	Develop & implement a marketing and communications plan

### University of Wisconsin-Madison Cybersecurity Strategy (2015 - 2019)

A guide for protecting information through effective data governance and implementing cybersecurity controls in a risk management framework

Update 1.0

August 1, 2016



[https://it.wisc.edu/wp-content/uploads/2015\\_UW-Madison\\_Cybersecurity\\_Strategic\\_Plan\\_Update\\_1.0\\_Aug-2016.pdf](https://it.wisc.edu/wp-content/uploads/2015_UW-Madison_Cybersecurity_Strategic_Plan_Update_1.0_Aug-2016.pdf)

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