

THE ATTACK SURFACE HAS EXPLODED **EXPANDING ATTACK SURFACE DARK WEB SUPPLY CHAIN MODERN ENTERPRISE** APPLICATIONS COLLABORATION **TRADITIONAL CERTIFICATES** & DOMAINS **PERIMETER Matt Moline** Head of Marketing | GRIT Technologies



Data leakage from unapproved AI usage
Phishing and deepfake risks
AI model poisoning and manipulation
Shadow AI tools bypassing IT governance



Matt Moline

Head of Marketing | GRIT Technologies

WHAT IS SHADOW AI?

UNAPPROVED AI USE

Employees or teams adopt AI tools (like ChatGPT, Copilot, or image generators) without IT or security approval.

DATA EXPOSURE RISK

Sensitive company data may be uploaded or shared with external AI systems, creating compliance and security gaps.

LACK OF OVERSIGHT

Because IT doesn't manage or monitor these tools, there's no visibility into usage, security controls, or potential vulnerabilities.

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2

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Rapidly evolving Al-driven cybercrime that outpaces legacy defenses

Traditional IT Security

Firewalls
User Directory/AD
Antivirus/EDR
Passive monitoring
Patching
Backups

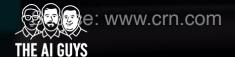
Dark Web Monitoring



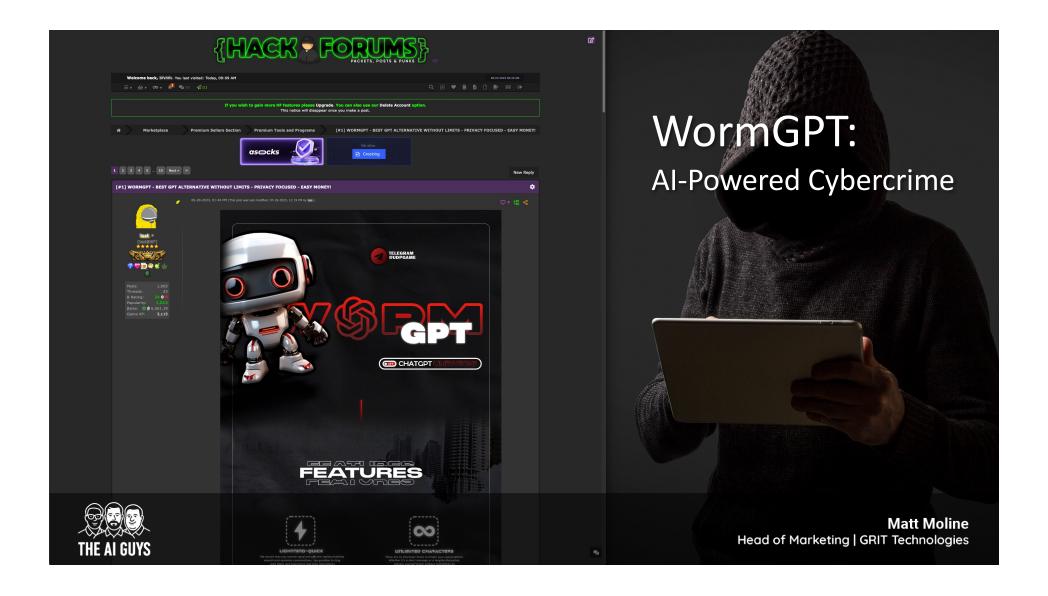
Proactive
AI-enhanced
Real Time Detection
Instant Response
Rapid Recovery

AI: The New Weapon in Cybercrime

- -Phishing attacks have seen a 1,265% increase since the introduction of ChatGPT.
- Al has lowered barriers for cybercriminals, enabling those with limited coding skills to create malware or conduct phishing attacks.
- Al-driven attacks can now occur at a scale and speed beyond human capabilities, increasing the overall volume of cyber threats.







Key Privacy & Security Differences



Feature

Usage Model

Data Control

Privacy Risks

Security Concerns

ChatGPT (OpenAI, U.S.)

Cloud-based (use-based)

OpenAI controls data

OpenAl stores limited data, but still a centralized model

U.S. regulations apply;

enterprise versions have better security



DeepSeek (China)

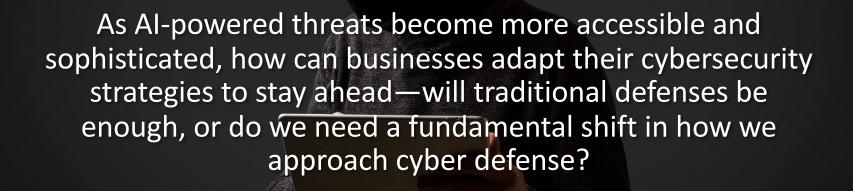
Open-source (self-hosted or cloud)

Users control data (if self-hosted)

China's data laws could pose risks if using hosted versions

If hosted in China, data may be accessible to authorities









NIST CYBERSECURITY FRAMEWORK

IDENTIFY

PROTECT

DETECT

RESPOND

RECOVER

IT Documentation
Asset Management
Risk Assessment
Vendor Risk Management
Data Classification
Regulatory Compliance

Multi-Factor Authentication
Employee Security Training
Data Encryption
Firewall & Endpoint Protection
Patch Management
Access Controls
Secure Remote Access
Email Security
Device Hardening

Dark Web Monitoring
Endpoint Detection
SIEM & Log Monitoring
Threat Intelligence Feeds
24/7 Network Monitoring
Intrusion Detection
User Behavior Analytics
Automated Security Alerts

Incident Response Plan
Threat Containment
Forensic Investigation
Breach Communication
Security Patching & Mitigation
Legal & Compliance Actions
Public Relations

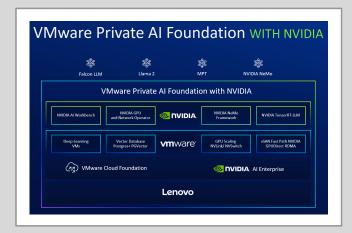
Cyber Insurance Activation

Disaster Recovery Plan
Backups & Data Restoration
System Rebuilding & Hardening
Incident Review & Lessons Learned
Security Posture Improvements
Communication with Stakeholders

Testing & Drills













Built into Microsoft 365 – Works directly in Word, Excel, Outlook, and Teams.

Microsoft 365 Copilot

Enterprise security – Keeps data within Microsoft's trusted ecosystem.

Instant productivity boost – Automates tasks and saves employees time.



Natural Language

Microsoft Graph - Your Data -

Large Language

Models



Microsoft 365 Apps

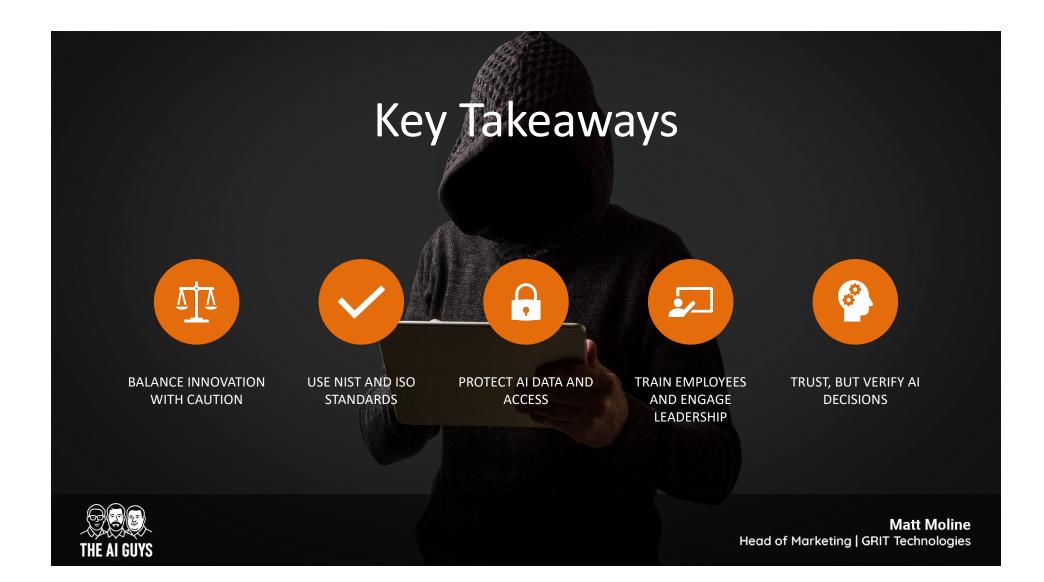




Training & Awareness

Train staff on what not to do with AI
Use simple do/don't guidelines
Encourage a culture of 'trust but verify'
Executive buy-in is critical







GRIT

