

ACTIVE DIRECTORY ATTACK PATH ASSESSMENT SIMULATION AND EVALUATION SERVICE

WHAT IS ACTIVE DIRECTORY?

Active Directory (AD) is a database and set of related services developed by Microsoft for Windows domain networks. It is common that AD setups are complex and introduce numerous potential paths for attackers to exploit, as 80% of attacks involve privilege abuse.

WHAT IS CYCRAFT AD APA?

CyCraft Active Directory Attack Path Assessment Services are uniquely designed to provide a rapid, comprehensive, automated, evidence-based analysis and evaluation of your organization's Active Directory status and risk so you can take action to reduce the cyber risk your AD infra creates.

CyCraft's Active Directory Attack Path Assessment is available as a stand-alone service or as a module in CyCraft EDR.

CYBER DEFENSE MATRIX

	Identify	Protect	Detect	Respond	Recover
Devices					
Applications					
Networks					
Data					
Users					

CRITICAL DELIVERABLES

- > **AD global safety score:** See where you stand risk-wise with AD in the larger context
- > **AD object statistical analysis:** Get a thorough understanding of your AD state in total and gain insight into which objects are outliers and are likely malicious or ripe for abuse
- > **AD attack path simulation:** Find what routes attackers are likely to take based on your AD state and discover how to mitigate those threats
- > **Potentially privileged group analysis:** Investigate groups that potentially allow more privilege than they should in order to reduce your attack surface
- > **Account security analysis:** Look at accounts one-by-one for how they are being used in the scheme of your whole AD and endpoint context, and prioritize high-impact accounts and relationships for clamping down

“ CyCraft has a deep understanding of information security and top-tier technology to prove it. ”

Telecommunications, Japan

CYCRAFT ADVANTAGE

CyCraft customers choose us for our strong customer focus, ability to create internal/operational efficiencies, enhance and enrich decision making, improve compliance issues, tackle risk management, expert service and support, as well as our platform's functionality and overall performance.

As your organization grows and expands, your security team can lean on CyCraft to not only adapt and scale with you but ensure that you are ready to tackle the active and emerging cyber threats of today and tomorrow.

READY FOR A
DEMO?

Visit [CyCraft.com](https://www.cycraft.com)



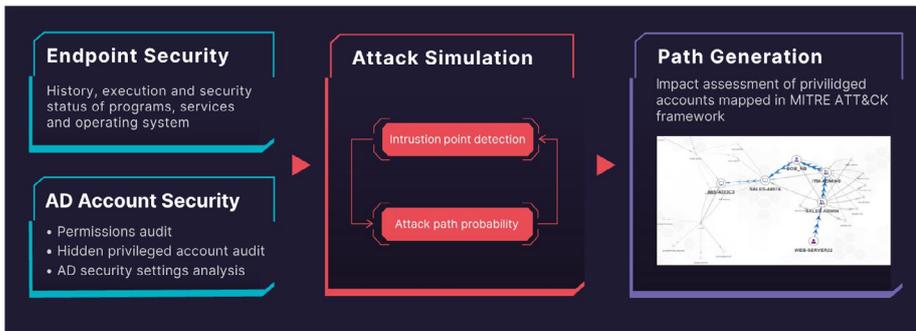
About CyCraft

CyCraft provides organizations worldwide with the innovative AI-driven technology necessary to stop cyber threats in the 2020s. CyCraft technology is uniquely designed to detect the latest trends in malicious behavior, automate investigations, and auto-triage alerts, allowing CyCraft customers to detect, track, contain, and eradicate threats in near real-time.

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HOW DOES IT WORK?

By leveraging proprietary analytic AI to dissect your AD state and by combining that with CyCraft EDR endpoint sightings, CyCraft AD APA creates a unique opportunity to configure your AD state to a sensible one by iterating through statistical scenarios that cover likely attack paths and ranks them by ease of exploitation and impact to your organization; take action and drastically reduce the risk overhead AD typically introduces.



EASE OF USE

- > **AD Attack Path Assessment is 100% automated**, no need to manually investigate
- > **Easily integrates** into CyCraft EDR as a module
- > **Clearly visualize** important AD account relationships and quantify and assess optimal attack breakpoints

WHAT SETS CYCRAFT APART?

Most AD tools focus on AD prevention without a full understanding of the full complexity of AD, without an analytical understanding of the risks AD poses, or even how the attack paths from those risks can be ranked and mitigated. CyCraft AD APA is the first tool of its kind to integrate endpoint sightings with statistically likely attack paths to prioritize how actual attackers would attack your AD infra. We give you the knowledge to reduce your attack surface and clamp down your AD account space to prevent all-to-common attacker AD abuse, leaving you more secure than other AD solutions.

CYCRAFT MEETS GDPR & JAPAN PRIVACY LAWS

- > We collect far less data than Windows
- > We don't collect payment data, presentation files, messaging/email contents, or anything that would violate GDPR/Privacy laws
- > In fact, we aid in GDPR/Privacy law compliance:
 - > We stop attackers from stealing your data
 - > We enable quicker reporting to meet compliance

WHY IT MATTERS

URGENT PAIN RESOLVED

- > **Understand security vulnerabilities** introduced in the complex web of AD settings, accounts, and privileges and their concomitant relationships
- > **Acquire a fuller picture of your entire attack surface** by locating risks and optimal attack breakpoints for remediation
- > **Implement recommendations** to secure your organization against the holes introduced by complex, unwieldy, and non-obvious AD security issues

BENEFITS TO CUSTOMERS + PARTNERS

- > **Rapid, hands-free analysis** of your AD state for potential attack paths and misconfigurations
- > **Understand and rank attack possibilities** by their probability of occurring and the potential damage they can do based on their scope and what privileges exist over what AD objects
- > **Talk to a Human:** Gain responsive and reactive human support to immediately relieve any friction in the investigation process
- > **Combine AD analysis with endpoint sightings** to put context around AD analysis by understanding attack paths better and prioritizing which AD security measures need to be taken
- > **Discover hard-to-find or hidden privilege** and permissions grants where more was granted than was intended