

Gold Finger

Active Directory Privileged Access Assessor



Datasheet



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Active Directory Privileged Access Assessor

At the **foundation** of cyber security of all organizations that operate on the Microsoft Windows Server platform lie their foundational Active Directory (AD) deployments.

Organizations absolutely require the ability to accurately assess privileged access in their foundational Active Directory deployments to maintain security, accurately identify and manage privileged access and fulfill governance, risk and compliance driven audit needs.

Architected by former Microsoft Program Manager for Active Directory Security, and endorsed by Microsoft, the *Active Directory Privileged Access Assessor* from Paramount Defenses is the world's only accurate privileged access assessor for Active Directory.

“We are very pleased to see Paramount Defenses, a valued Microsoft partner, offer an innovative security solution (in Gold Finger) that helps enhance security and compliance in Active Directory environments.”

- Charles Coates, Senior Product Manager
Identity and Security Business Group

Microsoft



Active Directory Privileged Access Assessor



Technical Overview

The entirety of an organization's building blocks of cyber security i.e. all organizational domain user accounts, computer accounts, and all the domain security groups that protect almost all organizational IT resources, are stored, managed and secured in Active Directory.

Each one of these building blocks is represented as an object within Active Directory and is protected by an access control list (ACL), which contains access control entries (ACEs) that specify who is allowed and denied what security permissions on the object.

Together, there exist hundreds of thousands of security permissions in the ACLs of thousands of Active Directory objects, granted to a large number of users and groups, and it is the net resulting cumulative i.e. effective permissions that actually govern exactly who has what privileged access on thousands of objects in and across an Active Directory domain.

To secure Active Directory, accurately identify privileged users, control access to privileged users and groups, maintain security and fulfill various GRC driven audit needs, organizations need to be able to accurately assess privileged access domain-wide in Active Directory.

The *Active Directory Privileged Access Assessor* is unique in its ability to accurately and automatically assess privileged access domain-wide in Active Directory. It can uniquely –

- ✓ Automatically and accurately assess privileged access on thousands of objects in Active Directory, based on the accurate determination of effective permissions/access.
- ✓ Assess privileged access in terms of who can enact which administrative tasks in Active Directory, as well as identify the underlying permissions that entitle a user to a task.

It thus uniquely enables and empowers organizations to accurately assess and lockdown all access in Active Directory, including privileged access, which is paramount for cyber security.



Active Directory Privileged Access Assessor



Features

The *Active Directory Privileged Access Assessor* embodies unique patented technology that was masterfully designed to enable IT personnel to easily assess privileged access **domain-wide** –

1. Domain-wide Privileged Access Assessment – Accurately assess privileged access domain-wide on thousands of objects in any Active Directory domain at the touch of a button.
2. Accurate Privileged Access Assessment – Based on effective permissions
3. Real-time Privileged Access Assessment – Determine privileged access in real-time
4. Actionable Intelligence – Identify underlying permissions that entitle users to access
5. Effortless Audit Exports – Easily export and snapshot privileged access assessment results



Benefits

The *Active Directory Privileged Access Assessor* delivers substantial, unrivaled benefits that have a real and measurable impact on the organization's foundational cyber security posture –

1. Domain-wide Privileged Access Assessment – Assess privileged access domain-wide
2. Instant On-demand Insight – Accomplish in minutes what could otherwise take months
3. Lock-down Privileged Access – Reliably lockdown all privileged access in Active Directory
4. Complete first 3 steps of PAM – Accurately identify, secure and control privileged users
5. Correctly Fulfill GRC Needs – Correctly fulfill vital audit and regulatory compliance needs

Active Directory Privileged Access Assessor



Assessment/Reporting Capabilities

The *Active Directory Privileged Access Assessor* lets organizations accurately, easily and instantly generate many Active Directory privileged access assessment reports, such as –

1. Identify who has what privileged access where and how **domain-wide** in Active Directory
2. Identify who can perform which administrative tasks where and how in Active Directory
3. Determine who can enact a specific administrative task anywhere in Active Directory
4. Identify all users who can enact an administrative task due to a specific permission
5. Find out why a user is able to enact a specific administrative task in Active Directory



Audience

- ✓ IT Managers
- ✓ Domain and Network Admins
- ✓ Cyber Security Analysts
- ✓ IT and Cyber Security Auditors
- ✓ Internal Application Developers
- ✓ Pen Testers and Ethical Hackers

Requirements

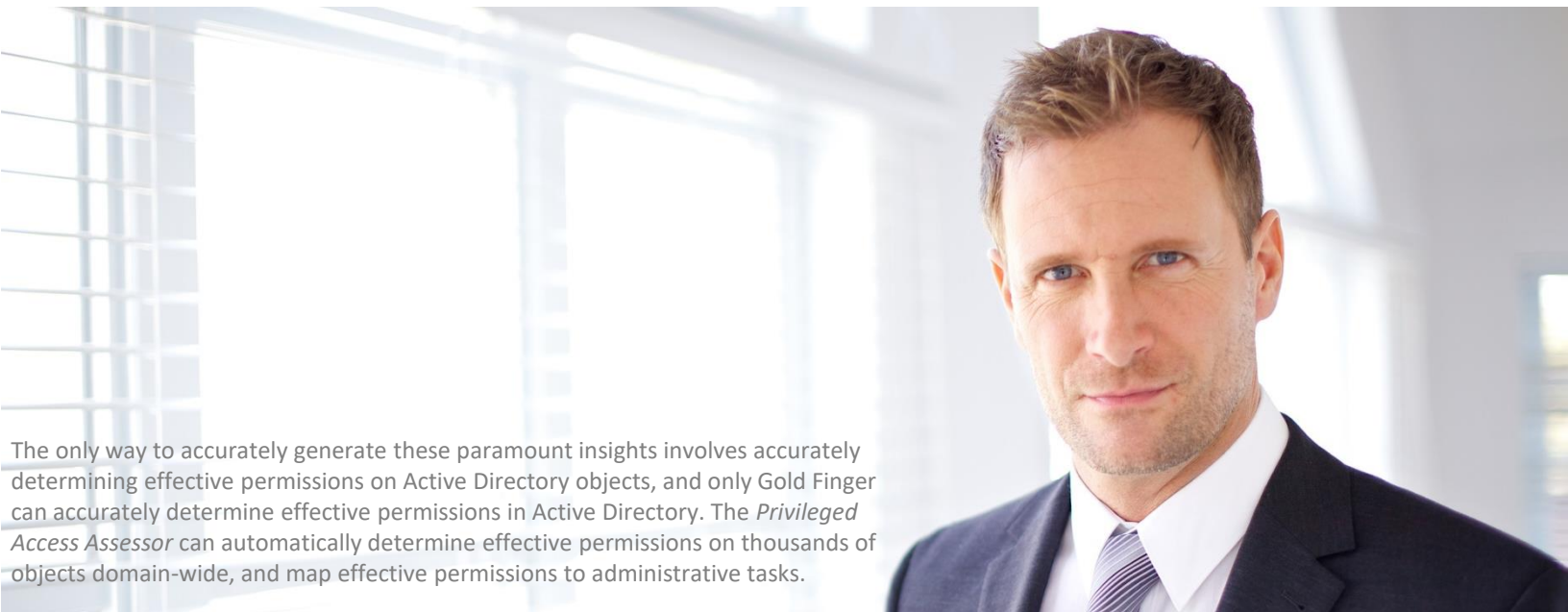
- ✓ Any computer running Windows
- ✓ Any domain-user credentials
- ✓ Network access to Active Directory
- ✓ No privileged access required
- ✓ No installation on DCs required
- ✓ No deployment of services/agents

Active Directory Privileged Access Assessor



Top-10 Reports

The *Active Directory Privileged Access Assessor* **uniquely** empowers organizations to obtain paramount cyber security insights by generating mission-critical, high-value reports, such as –



The only way to accurately generate these paramount insights involves accurately determining effective permissions on Active Directory objects, and only Gold Finger can accurately determine effective permissions in Active Directory. The *Privileged Access Assessor* can automatically determine effective permissions on thousands of objects domain-wide, and map effective permissions to administrative tasks.

1. Identify all individuals who can change the membership of all default unrestricted privileged group in Active Directory, such as *Domain Admins*, *Enterprise Admins* etc.
2. Identify all individuals who can reset the passwords of all privileged user accounts
3. Identify all individuals who can disable the use of Smartcards for authentication
4. Identify all individuals who can modify the ACL protecting the *AdminSDHolder* object
5. Identify all individuals who can manage all employee and executive user accounts
6. Identify all individuals who can change privileged access on the domain root object
7. Identify all individuals who can change privileged access on all Organizational Units (OU)
8. Identify all individuals who can create, delete and manage all accounts, groups and OUs
9. Identify all individuals who can change the keywords on the service connection point of all mission-critical services such as *Microsoft Entra Connect*, resulting in a DoS attack
10. Identify all individuals who can link a GPO to all OUs, resulting in the modification of a security or configuration setting on all (possibly thousands of) computers in those OUs



Gold Finger

Gold Finger is the world's most capable, valuable and trustworthy suite of access assessment tools for Microsoft Active Directory, and is the gold standard for Active Directory Assessment.



The *Gold Finger* Suite is architected by former Microsoft Program Manager for Active Directory Security, endorsed by Microsoft, trusted worldwide, and comprised of 8 specialized tools –

1. Active Directory Security Auditor
2. Active Directory Membership Auditor
3. Active Directory ACL Analyzer
4. Active Directory ACL Exporter
5. Active Directory Permissions Analyzer
6. The world's only accurate Active Directory Effective Permissions Calculator
7. The world's only accurate Active Directory Effective Access Auditor
8. The world's only accurate Active Directory Privileged Access Assessor

Today these tools deliver paramount cyber security insight to organizations worldwide.

Gold Finger's **uniqueness** is in its unrivaled ability to deliver accurate effective permissions and privileged access insight, which are paramount for Active Directory security and cyber security.

For more information, please visit – www.paramountdefenses.com/products/goldfinger

About Paramount Defenses



Paramount Defenses is the world's only cyber security company that possesses the paramount capability to be able to accurately assess privileged access in Active Directory deployments.



Microsoft Active Directory Domain Services are the foundation of cyber security and the heart of privileged access at 85% of all business and government organizations worldwide.

Paramount Defenses was founded by and is led by former Microsoft Program Manager for Active Directory Security. The company's unique, innovative, patented technology governs the accurate assessment of all access, including privileged access, in IT environments worldwide.

Its unrivaled solutions can accomplish the remarkable feat of being able to automatically and accurately assess privileged access across entire Active Directory domains, at a button's touch.

From the United States of America to Australia, its global customer base spans six continents and includes numerous prominent business and government organizations across the world.

www.paramountdefenses.com

