

TheFence™: AI-powered solution for User Access Review (UAR)

TheFence™ User Access Review Plus is a next-generation, AI-powered workflow automation that assists organizations in automatically reviewing user access rights. This ensures that the right people have access to the correct information, while preventing unauthorized access.

Why TheFence™ UAR Plus?

- Automating the preparation and orchestration of the UAR process
- Risk based AI recommendations for data owner's decision making



Automation: Most organizations lack the resources to regularly run access reviews and need to rely on security consultant's risk assessment services. Such projects require time-consuming processes involving many departments like business, HR, Risk, IT Security, Legal and IT. With cloud computing and the explosion of access rights such manual investigations need to be replaced with cost-effective, fast, accurate and examinations.



AI recommendation: Data owners do not get enough information on the usage, risk and necessity to decide about the appropriateness of access rights. Based on such information and previous human decisions artificial intelligence recommends data owners approval, deep review or removal.



Data integration: Seamless data synchronization and automation via native API integrations, flexible universal file based integration, ticketing system integration and HR systems integrations



Compliance: Many industries and organizations are bound by compliance standards (such as GDPR, HIPAA, SOX, etc.) that mandate frequent access controls and auditing. User access reviews ensure adherence to these regulations, avoiding fines to authorities. TheFence ensures audit readiness.



Risk Management: Identifying and addressing excessive access reduces the risk of misuse or abuse of privileges. TheFence UAR Plus helps mitigate risks associated with employees having access to information beyond what is required for their roles.



Operational Efficiency: Employees must have appropriate access they need to perform their tasks efficiently. By aligning access permissions with job roles and responsibilities, workflows will be covered with precise entitlements.



Cost Optimization: Regularly reviews of user access can decrease unnecessary licensing costs for software or services. TheFence UAR Plus helps in ensuring that only necessary access rights are allocated, reducing unnecessary expenses.

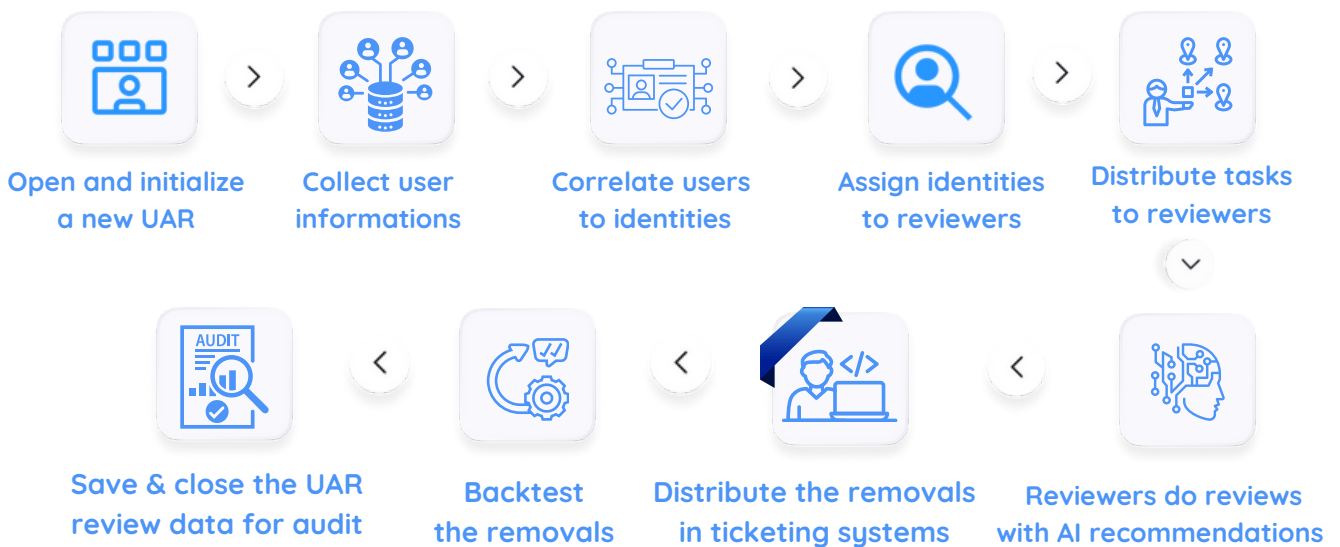


Security: Regularly user access reviews help prevent unauthorized access to sensitive data. It minimizes the risk of data breaches, insider threats, and cyberattacks by ensuring that only authorized personnel have access to specific information or systems.

How does TheFence™ UAR Plus work?

Comprehensive functionality is provided for the entire User Access Review process. This includes source data preparation, administration, notification, ticket creation, and post-review activities.

The IT Security professional logs into their own tenant in the SaaS environment. A central management screen displays an overview of the current and previous UAR tasks. They can open a new UAR process and select which integrated systems need to be included. HR employee data with organizational data is needed and can be imported via API or uploaded from a CSV file when there is no HR connection.



With seamless integration capabilities, user and access profile data can be automatically imported from existing systems. Alternatively, data from custom applications can be manually uploaded in CSV format. Our solution prepares and cleans the uploaded identity data (e.g., filling missing data owner details) for a streamlined process. Once the data is ready, review requests are efficiently sent to approvers for action.

| APPLY AI PROPOSAL | | | | | | |
|--------------------------------------|------------------------|---------------------|-------------|-------------|---------|-----------------|
| Type | Department | Risk level | AI Proposal | Decision | Search | |
| Employee | Technology Architect | active | Deep review | Approve | Deep R. | Revoke |
| UserID | System | Last Login | Risk Score | AI proposal | Actions | |
| d6fbf02b-2b27-4539-9e16-0000dac... | Microsoft O365 - O365 | n/a | 0.2 | Deep review | Approve | Deep R. Revoke |
| a6741068-1400-48f2-9abe-d07ad58... | Microsoft O365 - O365 | n/a | 0.2 | Deep review | Approve | Deep R. Revoke |
| 9bc12661-46c8-4ad2-852b-3f74921... | Microsoft O365 - O365 | 2023-11-23 17:39:02 | 0 | Approve | Approve | Deep R. Revoke |
| 63ca54656178fcc941d9708e | JIRA Cloud - JIRA test | 2023-08-09 02:00:00 | 1.2 | Revoke | Approve | Deep R. Revoke |
| RoleId | | | Risk Score | AI proposal | Actions | |
| dd601c7b-76b7-429e-a649-29b73dbc7f11 | | | 1.2 | Revoke | Approve | Redesign Revoke |
| 9d6bdd9f-d108-4672-a7e3-bc425e8cd420 | | | 0 | Revoke | Approve | Redesign Revoke |

Data owners are informed and can log in to see their employees' data for approval. They are supported with an **AI co-pilot** that provides proposals for approval or denial decisions, thereby saving a significant amount of time. AI proposals are based on the user's status, activity and riskiness.

User removal/access modification tickets based on these decisions can automatically be generated and tracked, along with the execution of access or user removals.

The IT Security professional can manage the **entire process end-to-end**, from initial data preparation to checking the removal of revokable accesses. The UAR process we have implemented in our SaaS solution aligns with best practices and adheres to international security standards and regulations.

Why choose TheFence™ UAR Plus?

Because TheFence™:

- Enables GRC teams to conduct user access reviews frequently.
- Offloads HR, Risk, IT Security, Legal, and IT departments.
- Supports line managers with AI co-pilot assistance to focus on key risks.
- Reduces the risks of unauthorized access and protects sensitive data.
- Ensures adherence to industry regulations and standards.
- Mitigates internal misuse and potential security threats.
- Optimizes workflows by aligning access with roles.
- Identifies unused access, saving on unnecessary expenses.
- Provides clear records for access and modifications.
- Enables quick adjustments for personnel changes or growth.
- Facilitates ongoing enhancements in access controls.
- Ensures effortless post-review task management.

” THEFENCE™ UAR PLUS simplifies our work, strengthens our security posture and covers all our crown jewel applications and strategic legacy systems. It has a streamlined, easy-to-use interface. The solution utilizes an AI co-pilot that helped us significantly reduce time spent on compliance efforts and make better decisions at the same time.

Sebastian Gutt

Head of Governance & Processes at cadooz GmbH, Hamburg, Germany

