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# Is Your Security Team Struggling to Keep Up?

# Ready to unlock your team's potential?

# Read this we may be able to help...

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# New Technology

There isn’t much we can do about the above other than try and stay ahead of the game.

Ensure Training and industry best practices are followed.

Engage experts where possible at key pivotal moments.

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# Active Directory is the key

Active Directory provides permissions to most of our business systems.However, we don’t use this data as much as we could.

How many of us have a HR system that is 100% in sync with Active Directory?

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# Active Directory (AD) capture

Having Active Directory data captured on a regular daily basis can bring many benefits to an organisation.

It essentially allows you to be on the front foot, proactively engaging in security changes almost as they happen.

Let’s assume we agree, and this has been done.

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# Attestations

The data or security role owner approves permissions and group memberships. But how often is this reviewed? Not often enough.

Why wait for quarterly or bi-annual reviews when it can be done almost in real-time with data in a database?

As a change takes place inform the owner of the role or system of the change and it’s now their turn to approve or allow it.

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# Leaver process

The leaver process is time-consuming if done properly. Often, users are disabled and moved to a leaver area, but their permissions and group memberships should be wiped.

This can take time and is often missed.

At Data Driven Solutions, we've automated this process by linking to HR, removing all permissions and group memberships, and disabling the user in AD. All actions are logged in a database for auditing purposes.

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# Implement role-based security

This is something that has been around for a while but how many of this information is maintained and mastered in a database?

If we do this, we open up a vast number of opportunities.

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# Starter process

The starter process also has no reason why it can’t be automated, if all our security roles are identified.

You are starting a job which is based on this role, and you report to this person.

The roles are in the database and again AD is updated to show your manager and permissions.

Once again, all actions are logged into a database for auditing.

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# Role change process

This process is a mix of leaver and starter processes and is 100% achievable with data automation.

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# What about external systems?

Not all systems will be on-premise or Active Directory-enabled. In such cases, integrate and capture user permissions and roles regularly.

This becomes part of the attestation process, and changes should be confirmed by the owner.

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# Final thoughts

Automation is the name of the game

Security has a lot of data so let’s use it to our advantage.

We know through data trending what permissions were in place yesterday, so let's notify the owners when changes take place. Not months down the line.

Ensure all actions are logged for auditors. When automating Active Directory, add relevant comments to the notes referencing the change/update.

If you need assistance, get in touch. We have extensive experience in data automation processes.

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If you need assistance we are here to help.

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