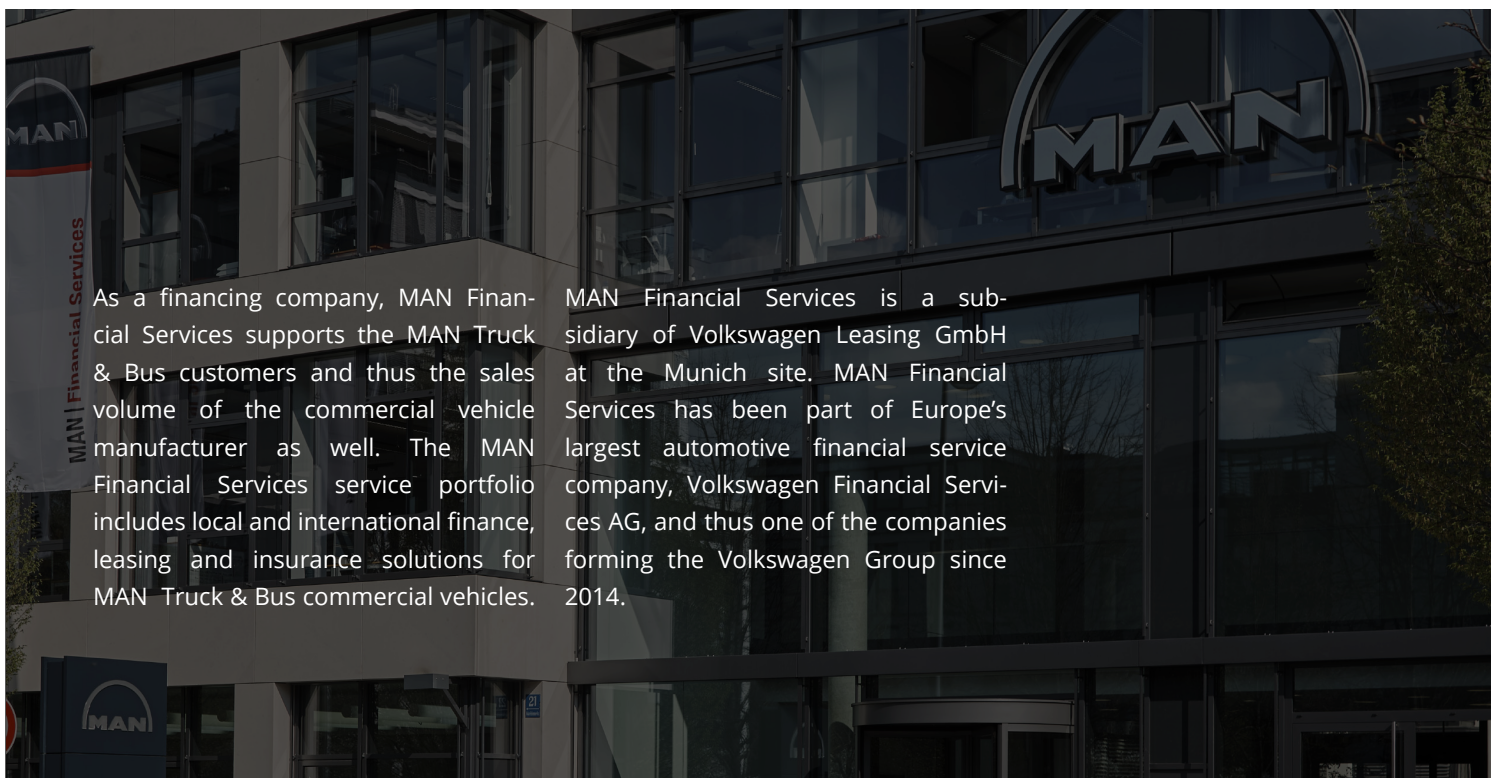# MAN FINANCIAL SERVICES
LEAN AUTHORISATION STRUCTURES THROUGH BUSINESS ROLE MODELLING

Secure and lean Identity and Access Management (IAM) is becoming increasingly significant in companies. A huge number of access authorisations have to be managed securely in line with the laws and regulations, and daily changes caused by employees entering the system for the first time, changing departments or offboarding have to be mapped quickly and automatically at the same time.

As a financing company, MAN Financial Services (MAN FS) is subject to strict regulatory requirements and, amongst others, must be able at all times to verify which people in the company have which authorisations. To conform to these requirements, MAN FS has introduced the standard solution NEXIS 4 by which the access rights can be modelled as manageable business roles according to the minimum principle and considering existing SoD (segregation of duty) rules.

As a financing company, MAN Financial Services supports the MAN Truck & Bus customers and thus the sales volume of the commercial vehicle manufacturer as well. The MAN Financial Services service portfolio includes local and international finance, leasing and insurance solutions for MAN Truck & Bus commercial vehicles.

MAN Financial Services is a subsidiary of Volkswagen Leasing GmbH at the Munich site. MAN Financial Services has been part of Europe's largest automotive financial service company, Volkswagen Financial Services AG, and thus one of the companies forming the Volkswagen Group since 2014.

THE PROJECT GOAL
BUNDLING THE AUTHORISATIONS

"A young company with high expertise. Professional cooperation based on partnership according to the principle of customers becoming colleagues!"

Alexander Rosener, Project Manager AIM, MAN Financial Services

MAN FS wants to implement IAM processes that can fully meet all regulatory requirements.

Business role modelling should ensure that it is easier to grant authorisations for certain employees, groups of employees or departments. Furthermore, with the help of embedded SoD rules, it should be possible at all times to guarantee the segregation of duties (SoD controls) regarding authorisations that is required by the regulations.

Remark by MAN FS: "We're one of the winners!"
"Within the VW corporation, we took part in a global IT project competition with this project in 2020. The projects that qualified to participate were assessed by internal experts based on relevance, duration, scope and ultimately, of course, success. Despite the regulatory theme of our project in the midst of projects on optimisation and increasing cost efficiency, our clear approach won us third place out of over 64 projects submitted," says Alexander Rosener.

THE SOLUTION FOR MAN FS
PROOF OF CONCEPT

So far, MAN FS had not used a technical solution for existing IAM processes.

The intention was not to implement a heavyweight system, as value was placed on a "light", flexible solution that could use workflows to automatically map very sophisticated authorisation processes that were already in place.

After a PoC (Proof of Concept), NEXIS 4 proved to be a perfect solution for modelling, managing, and monitoring business roles according to the minimum principle (according to the requirements of the German Federal Financial Supervisory Authority (BaFin)). This meant that all departments could be provided with business roles within a short space of time.

Apart from mapping approval processes for roles, suitable SoD rules were also defined and stored for automated testing.

DESIGN
SIMPLIFICATION AND AUTOMATION

For the start of the joint project, the project team established basic concepts for the simplification and automation of the authorisation structures:

— Grouping the authorisations for employees and departments into business roles based on authorisation analyses and interviews. The modelling and collection of the important information takes place directly in NEXIS 4, which meant that the laborious management of roles using Excel tables could be avoided.

— Defining SoD rules for the newly modelled business roles. That way, due to automatic groupings of authorisations in NEXIS 4, compliance of over 15,000 authorisations could be controlled with a handful of SoD rules. The embedding of compensatory measures or special authorisations was done in NEXIS 4. The software thus became the central management system regarding SoD violations and their recertification.

— Initial approval and set-up of semi-annual recertifications of the business roles in NEXIS 4. The employees responsible therefore receive regular and fully automatic invitations to recertify including instructions with pictures and access to a user interface that is easy to use.

— Automated support regarding the approval of new business roles or changes in existing roles with the help of the workflow engine. Here, all the necessary company divisions, from the departments to IT, will be integrated without any media discontinuity.

— Fully automatic data exchange with the ticket system used at MAN FS to grant and remove roles with the help of NEXIS 4 REST-API.

NEXIS

TECHNICAL IMPLEMENTATION
CONNECTING DATA SOURCES

All the data sources relevant for role modelling were connected within a few hours with the help of the standard connectors of NEXIS 4 (SQL, LDAP, SAP are used in the project).

SoD rules and workflows for processing business roles were fully configured in NEXIS 4. The integrated REST-API is used in the project to map the interface to the ticket system to be able to grant and remove roles using tickets.

OUR PROJECT SUCCESS

BUSINESS ROLE MODELLING, TESTING PROCESSES AND MUCH MORE

✓ Conformity when granting authorisations due to successful business role modelling

✓ No access right compliance violations due to defined SoD rules

✓ Introduction of automated testing of business roles and fast reaction in the case of employee hiring, changing or offboarding

✓ Internal and external testing confirmed the satisfactory compliance of MAN FS with the relevant regulations

THAT IS NEXIS

WORLD CLASS WHEN IT COMES TO IDENTITIES, ROLES AND AUTHORISATIONS

Every day, our highly qualified team of IT security specialists, developers and consultants sets itself the goal of improving our customers' Identity Management with the best analysis platform for authorisations in the world and our IAM consulting services.

Our team, our culture, our company.
Nexis GmbH is a pioneer and leading provider of innovative authorisation analysis and role modelling software. For us as a university spin-off, our core values are above all a sound methodology, a high degree of user-friendliness and the intelligent connection of technical approaches with the professional needs of end users.

Our products have been designed and implemented in Germany since our company was founded in 2009. Our consulting service is likewise operated from Germany.

SecurITy
made in Germany
Trust Seal
www.teletrust.de/itsmig

OUR MISSION

"We provide software and services of the highest quality to optimise your Identity and Access Management sustainably.

Our goal in this increasingly complex world is to use our solutions to make the corporate daily routine a little easier every day."

Dr. Ludwig Fuchs, CEO