

Software Module Description



Version 4.3

The new version 4.3 of the NEXIS 4 software offers a modular platform architecture consisting of the NEXIS 4 base platform, three add-on functional modules, and optional feature packs and connectors. The new structure enables flexible licensing and precise scaling of functions as needed.

NEXIS 4 is an Identity and Intelligence Platform (IVIP) that extends IAM infrastructures with AI-powered analytics, workflow automation, and real-time governance. It provides organizations with a centralized view of identities, roles, and permissions across all systems while supporting Identity Security Posture Management (ISPM), application onboarding, and AI-based permission optimization. The platform foundation provides customers with access to all core data management, analytics, administration, and system control functions.

The add-on modules expand this scope of functionality with specialized features in the areas of workflow management, IAM governance, and business design & user services. Optional supplementary feature packs enhance integration capabilities and operational efficiency.

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Functions of the NEXIS 4 Base Platform

The NEXIS 4 base platform forms the technical and functional foundation of the solution. It provides central services for data import, data schema management, authorization management, system monitoring, reporting, and corporate identity customization, as well as basic functions for analytics and data management. In addition, the platform offers a unified administration interface through which all base components are managed. The NEXIS 4 Base Platform is generally available both as a Software-as-a-Service (SaaS) solution and as an on-premises solution. The SaaS solution can be provided with either Standard or Premium SLAs. The base platform provides functionalities for fundamental use cases in the areas of role modeling, policy management, and data analysis.

Module Function	Description	Menu item
Data Sources	Data Import Configuration	NEXIS 4 Administration
Data Scheme	Data Scheme Configuration	NEXIS 4 Administration
Data Export	Basic data export via optional plugins	NEXIS 4 Administration
Project Configuration	General settings at the project level	NEXIS 4 Administration
System Services	Monitoring of system operation and system functions, global settings, access to NEXIS 4 with standard roles and custom roles	NEXIS 4 Administration
Project Dashboard	Default Project Dashboard ("Home")	Project Summary
Identity Security Posture Management	AI-based and manual detection of security and compliance risks based on configured rules	ISPM
Identity Analytics	Matrix- and table-based visualization of permission structures, time-based access visualization. Overview of all imported objects.	Analytics
Business Role Modeling	Creation of static and dynamic business roles	Analytics
Role model management	Automatic role model suggestions and generation based on pre-defined identity attributes	Additional features
NICO – Data Quality	AI-based monitoring of data consistency and outliers	ISPM, Analytics
Reports & Policies	Create and generate reports and data quality policies	Additional features
Task Center	Overview of all NEXIS 4 tasks created	Additional Features

NEXIS 4 Modules

1. NEXIS 4 Workflow Module

The NEXIS 4 Workflow Module contains all functions for mapping and automating company-specific approval and authorization processes. It enables the graphical modeling and execution of standard and customer-specific workflows, such as recertifications and application processes, based on the integrated workflow engine. Reusable workflow components such as notifications, delegation and escalation mechanisms, as well as the task dashboard for end users, support end-to-end process control. Additionally, functions for data synchronization, including delta processing, and AI-based support (NICO) for recertifications are available.

Module Function	Description	Menu Item
Workflow Engine	Management and configuration of standard and customer-specific workflows (e.g., recertifications, application processes, lifecycle processes)	Workflow Center
Workflow Components	Emails, delegation templates, scripts, triggers	Workflow Center
Task Dashboard	Display of open and completed tasks	My Tasks
Synchronization Engine	Data export functionality, including synchronization rules and delta processing.	NEXIS 4 Administration
Delta Import	Incremental data imports to optimize load times	NEXIS 4 Administration
NICO – Recertification	AI-based support for recertifications	Workflow Center

2. NEXIS 4 Business Module

The NEXIS 4 Business Module enables the creation of custom dashboards, end-user services, and analytical views. Using the integrated UI Designer, you can develop your own browser pages, forms, and navigation structures. The module supports best-practice templates as well as ordering portals for products, roles, and permissions.

Module Function	Description	Menu Item
User Interface Designer	Creation of custom browser pages ¹ , dashboards, tables, cards, forms, entity views, toolbars, and navigation structures	User Interface Design
End-user Services	Services for end users based on forms and workflow bundles	Workflow Center
Order Management	Creation of orderable products and catalog structures	Additional functions
Request Shop	Standard dashboard for requesting products, roles, and permissions	Select manually
Templating	Best practice templates for role management that map processes, dashboards, and end-user services	Workflow Center
KPIs	Definition and evaluation of KPIs	Workflow Center

3. NEXIS 4 IAM Governance Module

The NEXIS 4 IAM Governance Module provides all functions for the (decentralized) management, approval, and control of IAM documentation, optionally supported by the AI-based assistant NICO. The Application Onboarding Engine enables the structured presentation and knowledge gathering for applications that are to be connected to the IAM system. The SoD (Segregation of Duty) Engine provides all functionalities for the detective or preventive detection of SoD conflicts. The graphical SoD matrix serves to define, verify, and implement segregation policies and forms a central basis for compliance monitoring.

¹The *configuration of browser pages* remains available to all customers who *licensed* the NEXIS Controle software (Governance Edition) prior to June 15, 2021 (purchase) will continue to be available.

Module Function	Description	Menu Item
Authorization Concepts	Management, workflows, and configuration of templates for authorization concepts	IAM Governance
Application Onboarding Engine	Supporting template engine for connecting applications to IAM systems	IAM Governance
NICO – IAM Governance	AI-powered assistant for managing IAM documentation	IAM Governance
SoD Engine ²	Graphical SoD matrix, rules, and mutual exclusions, including corresponding workflows	Additional features

NEXIS 4 Feature Packs

Feature packs can be licensed as an option to expand the standard functions. They increase the efficiency and integration capabilities of the NEXIS platform:

1. NEXIS 4 License Killer

The License Killer feature provides actionable insights into application usage to eliminate unnecessary licensing costs and optimize decisions throughout the application lifecycle. To this end, user access to “license-required” applications can be tracked over a defined period—either at the access level (e.g., by tracking authentication against the application) or at the permission level (e.g., by monitoring permission usage).

- Usage monitoring for cost reduction: Captures actual application usage to identify unused or underutilized licenses and uncover potential savings opportunities.
- Workflow integration: Supports remediation workflows to align with organizational requirements (requires the Workflow module).
- Application Discovery: Applications can be identified based on data from IGA systems or IDPs, enabling comprehensive license optimization across the entire environment.

Technical integration:

- Usage information can be imported from identity providers (IDPs), SIEM systems, or other telemetry sources.
- The data is collected per user account (e.g., an Entra ID account) and application (e.g., a business application managed in Entra ID) and then mapped to the identity and the corresponding local accounts.

2. Nexis 4 Microsoft Teams Integrations

The Microsoft Teams integration allows notifications to be sent not only via email but also as Teams messages, as well as the transmission of simple approval decisions via Teams features.

There are two workflow integration modes:

² The SoD functionality remains available to all customers who have continuously licensed the NEXIS 4 software, including the former Governance Module (up to version 4.2), under a purchase or rental agreement prior to January 1, 2026.

- Direct approvals: Approval requests—such as the assignment of permissions—can be reviewed and confirmed directly in Microsoft Teams, with full auditability.
- Customizable notifications: Teams notifications can be individually configured to remind users of pending actions or invite them to work directly in NEXIS 4.

Technical integration:

- The integration requires a direct connection between the NEXIS 4 Teams backend, hosted in the NEXIS SaaS environment, and the NEXIS 4 application.
- The Microsoft Teams bot must be installed in the customer's tenant and assigned to all relevant users.

NEXIS 4 Integrations

NEXIS 4 provides a range of connectors to integrate with external systems and import or export identity, role, and permission data.

Depending on the specific connector, these support import, export, or bidirectional synchronization scenarios and can be used for both one-time data transfers and regular synchronizations.

Depending on the connector, different data formats, protocols, and interfaces are supported. In addition to the connectors included in the base platform, Nexis also provides connectors for other, custom systems that require separate licensing

Standard connectors (included in the base platform):

Connector	Use Case	Description
Generic REST Connector	Import	Import of JSON-formatted data via REST interfaces for generic integration of different systems; customer-specific customizations possible.
Database Connector	Import	Import of data via SQL queries; support for common database systems such as MySQL, MSSQL, PostgreSQL, and Oracle.
CSV Connector	Import	Import data from CSV files; upload via the user interface or store in a defined server location.
Active Directory Connector	Import & Export	Import data via LDAP (accounts, permissions, UPA); export accounts, entitlements, and effective assignments via the Synchronization Engine.
LDAP Connector	Import	Importing data via LDAP (accounts, permissions, UPA)

Connectors requiring a license:

Connector	Use Case	Description
OneIM Export Connector	Export	Export of roles and permissions for further processing in One Identity Manager; support for CUD operations for entitlements.
SAP Connector	Import	Import of data from SAP systems (SAP ERP, SAP HANA); support for accounts, permissions, employees, assignments, and usage data.
Microsoft EntraID Connector	Import & Export	Import of identities, accounts, permissions, and target systems via the Microsoft Graph API; export of effective assignments via the synchronization engine.
SCIM Connector	Import & Export	Standardized integration of target systems via SCIM; import and export of accounts, permissions, and effective assignments.

Sailpoint ISC Connector	Import & Export	Import and export of employees, accounts, permissions, roles, and assignments via REST API.
Garancy Connector	Export	Export of roles, role hierarchies, and permissions; various technical options (Sync Engine, task-based, template-based).

Licensing Note

The NEXIS 4 base platform is required to run NEXIS 4. The add-on modules (Workflow, IAM Governance, Business) can be licensed individually or in combination. Feature packs and connectors requiring separate licenses are optional and require a valid base module license. The scope of functionality depends on the respective license configuration. All modules and extensions are subject to the license and terms of use of Nexis GmbH.