Changelogs

Version 3.3.0

New Features

Rack View

- New special type **Rack** with a dedicated rack overview in the object view, shown in the Attributes section below the rack's fields
- Mount objects into a rack with object selection, area, start slot and height
- Front and rear view toggle; full-depth mounts are shown in both views
- Slot grid rendered top-down with slot 1 at the bottom of the rack
- Left, right and unassigned areas shown as position-ordered lists
- Drag and drop to move mounted objects
- Edit, move, resize and reorder existing mounts
- "Mount here" directly from a free slot, with the clicked slot pre-filled
- Unplace a mount (frees its slots while the object stays assigned to the rack)
- Remove objects from a rack with a delete confirmation
- Suggestions for free rack slots
- Every placement is pre-validated by the backend, errors are shown inline
- Reservations and blockers as rack occupants; expired reservations are flagged in red and listed in the header
- Mounts that no longer fit the rack height are listed instead of being dropped
- Type legend, notes card and card for unassignable entries
- Assigning and unassigning objects to racks keeps the Location Tree in sync
- New rack rights (`base.framework.rack.view` / `base.framework.rack.edit`)
- Start Assistant profile for the Rack View
- Available with the IPAM license feature

Port Connectivity

- Objects can now have **Ports** or a **Patch Panel**, managed through a virtual section template for ports
- Ports section is shown in the Attributes section of the object view and at its configured position among the type's sections
- Add, edit and delete ports; "Add Ports" is now part of the object edit page
- Bulk port creation assistant with device kind, naming scheme and server-side preview
- Name generator for ports
- Bulk actions for ports (buttons are enabled once a port is selected)
- Port overviews for standard ports and patch panels
- Ports tables with configurable columns; column views are saved per user
- Link ports to interfaces of the current object (interface link manager, linked interfaces as a table column)
- New special type **Cable**
- Cable connection wizard to connect, edit and disconnect cables
- Cable dropdown only offers unassigned cables
- Cable CIs that are still used by a port connection cannot be deleted
- Port options (Status, Port Type, Speed) can be managed from the Type builder
- Option to also copy the ports when copying an object
- Available with the IPAM license feature

Cabling View

- New **Cabling View** in the object view; switch between **Table**, **Cabling** and **Graph**
- Only shown for objects that can have one; the chosen view is kept in the URL
- Cables drawn in their real colour, with labels and tooltips
- Shows the root object's cables by default; further connections are expanded on demand
- Toggle to show only connected ports
- Canvas with pan, zoom and fit, movable cards, legend and toolbar
- Spotlight to highlight a connection path
- Fullscreen mode

Section Templates **and Type Builder**

- Type, relation and section template builders now share one common builder
- Virtual (non-stored) section templates, offered in the Type builder global template palette and listed in the Section Templates overview
- Virtual global section templates can be cloned
- Types can be saved with the Ports section as their only content; empty types can be created

- Locked fields show their configuration read-only in the Type builder
- Assigned special type shown as a disabled field when editing a type
- Special type badge column in the type list, coloured with the type's CI Explorer colour

Import / Export

- Import and export of Multi Data Sections (CSV, XLSX and XML)
- New "Human readable" flag for object CSV/XLSX export
- CSV object template export to prepare imports
- Redesigned import wizards for objects and types with a reusable stepper
- Improved validation and error messages for object and type imports
- Improved CSV parser for object imports
- Improved naming of exported files
- Import and export are gated by their specific rights

Improvements

Locations

- Lazy-loading location tree in the sidebar
- Search in the sidebar location tree
- Drag and drop re-parenting in the location tree (single and batch)
- Location field uses a hierarchical tree selector instead of a flat dropdown
- Locations are handled directly in the object create, update and copy requests
- Improved location deletion follow-up
- New rights for location routes

ISMS

- Pagination for the SOA, Risk Assessments and Risk Treatment Plan reports

- Risk Assessments report: filtering moved to the backend, redesigned filter area and dedicated search
- Bulk delete for Risks, Threats and Controls (with in-use handling)
- Risk Assessments: saving is blocked on missing required fields and the user is guided to collapsed sections

CI Explorer

- Port connections as a filter scope, drawn as undirected edges without arrow heads
- Set a type's node label field directly from the graph context menu
- Graph editor refactored to a store-based architecture
- Faster loading of the graph editor and the object view
- General UI improvements

Permissions

- Routes, menus and actions are now consistently gated by rights for Reports, Webhooks, CI Explorer, Document Generator, Object Groups, ISMS, ISMS Import, Logs, Locations and Search
- Webhooks show their owner and how ownership affects deliveries
- Faster Rights Overview using a new paginated route
- Server-side ACL filtering for type requests
- The admin base right is locked

User Interface

- New reusable modal shell (`dg-modal`); legacy modals migrated
- New button design system
- Redesigned Object Delete and Object Preview modals
- Redesigned Categories Add/Edit page and metadata modal
- Improved object relation modal; relation tab tables can show relation fields as columns
- Own colour picker (the native dialog stayed open in Firefox)
- Modernized hover flyout of the collapsed sidebar; sidebar collapse state is saved
- Type builder: stepper colours reflect the validation state of each step
- "New feature" tag for new categories in the Start Assistant
- Font Awesome 6 icons

- Server-side search in table searches and in the reusable select component
- AI Assistant: improved modal, warns if it is not configured and shows backend errors
- License tiers are displayed as Small, Medium and Large

Performance

- Type Builder content page performance improvements
- Object view loads footer tabs and graph data lazily
- Optimized object GET routes
- Extendable option selects are resolved in a single batched request
- Rack View performance improvements

Technical Improvements

- Migrated frontend Excel library from `xlsx` to `exceljs`
- Updated backend packages
- Clean/unclean status moved into the backend; type list endpoint renamed to `/overview`
- Object edit form uses the new PATCH route with partial payloads
- Required fields are validated on object create and update in the backend
- New license entitlements route for premium feature gating
- Improved route security, backend guards and error handling
- Improved forking of processes
- macOS improvements
- Removed the separate docs server
- Replaced deprecated CDK `NestedTreeControl` in all location and IPAM trees

Security

- [**CVE-2026-57853**] Fixed a server-side template injection in the DocAPI (Document Generator) template rendering that allowed users with template write access to execute code on the server. Templates are now rendered in a sandboxed Jinja2 environment with autoescaping enabled. Affects all versions before 3.3.0. Reported via VulnCheck.

Bugfixes

- [**DAT-3149**] Fixed object view showing only the first section after a field was removed from its type
- [**DAT-3147**] Fixed cloned types losing their summary fields and CI Explorer label selection
- [**DAT-3142**] AI Assistant now shows the backend error message when document generation fails
- [**DAT-3133**] Adopted backend export filenames and the new global section template count payload
- [**DAT-3115**] Removed the sub-location confirmation dialog from object list delete actions
- [**DAT-3112**] Fixed wrong and truncated hint in the connect port wizard
- [**DAT-3108**] Fixed multi data section in section template edit falsely reporting “Identifier must be unique”
- [**DAT-3100**] Fixed fields after the first rendering without label or actions in section template edit
- [**DAT-3070**] Fixed section template losing its section type when transformed to global
- [**DAT-3069**] Fixed cloning a section template always creating a standard section
- [**DAT-3058**] Fixed screen freeze when adding section templates
- [**DAT-3050**] Fixed long category names overlapping the expand chevron in the sidebar
- [**DAT-3048**] Implemented CI Explorer rights in the frontend
- [**DAT-3046**] Webhooks UI is now gated by webhook rights
- [**DAT-3045**] Report UI is now gated by report rights
- [**DAT-3044**] Fixed sidebar Networks tree not refreshing after IPAM object changes
- [**DAT-3042**] Fixed sidebar location tree not refreshing after object or rack mount changes
- [**DAT-3035**] Fixed location field default-value icon wrapping to a new line
- [**DAT-3033**] Fixed unreadable type dropdown labels and stale field selection in reference field summaries
- [**DAT-3029**] Fixed builder losing or corrupting fields on section removal, hide-as-column and focused-section edits
- [**DAT-3028**] Fixed section cards in the Content step ignoring the section type for their icon
- [**DAT-3026**] Fixed IP issue when editing an existing interface
- [**DAT-3013**] Fixed Cover Page and Table of Contents toggles in Document Options not being switchable
- [**DAT-3007**] Fixed drag and drop in the Rack View
- [**DAT-3006**] Fixed opening objects in a new tab
- [**DAT-2990**] Fixed misaligned sticky save bar when the sidebar is collapsed
- [**DAT-2989**] Fixed duplicated special type objects losing their special type marker

- [**DAT-2983**] ISMS Import wizard routes and overview tiles are now gated by permission
- [**DAT-2982**] Fixed Reports breadcrumb navigation leading to a blank page
- [**DAT-2981**] Log settings routes and cleanup actions are now gated by log permissions
- [**DAT-2980**] CI Explorer routes now enforce the view permission
- [**DAT-2979**] Webhook routes, save action and menu are now gated by permission
- [**DAT-2978**] Added permission handling for Reporting
- [**DAT-2977**] Document Generator routes are now gated by permission
- [**DAT-2976**] Added permission handling for Object Groups in the frontend
- [**DAT-2975**] ISMS overview cards are hidden without permission
- [**DAT-2974**] Route permissions are enforced on all ISMS routes
- [**DAT-2872**] Risk Assessment: save is blocked on missing required fields and the user is guided to collapsed sections
- [**DAT-2869**] Fixed user caching
- [**DAT-2863**] Fixed Organize Locations tree not refreshing after drag and drop
- [**DAT-2862**] All open dialogs are closed when the authentication is no longer valid
- [**DAT-2861**] Integrated Font Awesome 6 icons
- [**DAT-2860**] Fixed type list keeping a stale page number when changing page size or searching
- [**DAT-2857**] Fixed toast message hidden behind the loader blur on object delete
- [**DAT-2855**] Fixed pagination and total count after bulk delete of objects
- [**DAT-2854**] Added permission for locations
- [**DAT-2853**] Fixed UI freeze on Risk Matrix report PDF export
- [**DAT-2851**] Fixed XLSX “Workbook is not a constructor” crash and hardened CSV/PDF/XLSX error handling of ISMS report exports
- [**DAT-2826**] Fixed MDS row id collision
- [**DAT-790**] Object exports (CSV etc.) now use the field label instead of the field name
- [**DAT-355**] Imported types no longer keep the user_id listed in the import file

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Version 3.2.0

New Features

Document Generator Redesign

- Complete redesign of the **Document Generator**
- New modern template editor
- Improved placeholder system with support for:
  - Objects
  - Relations
  - Relation fields
  - Relation directions
  - Object Types
  - External Objects
  - Reports
- Support for recursive relation placeholders
- Multiple reference paths within templates
- Reference sections for reusable template content
- Integrated report previews
- Render reports directly inside generated PDF documents
- Improved handling of multi data sections
- Enhanced report table rendering and scaling
- Improved template validation and workflow handling

IP Address Management (IPAM)

- New integrated **IP Address Management**
- Management of networks and subnets
- IP address allocation
- Improved visualization of network structures
- Optimized navigation and administration of IP resources

License Management

- New integrated **License Management**
- Centralized management of software licenses
- License assignment tracking

- License usage overview
- Improved compliance and software asset management

OpenCelium Integration

- Improved OpenCelium Connection Editor
- Enhanced diagnostics
- Integrated execution logs
- Progress indicator during automation execution
- Improved credential handling
- Resizable log viewer
- Better overall performance and usability

Improvements

Document Generator

- Improved placeholder parser
- Faster document generation
- Enhanced report integration
- Improved relation handling
- Optimized PDF rendering
- Better template validation
- Improved workflow integration

IP Address Management

- Improved subnet visualization
- Optimized IP allocation performance
- Better navigation through network structures

Relations

- Improved relation visualization
- Resizable relation editor
- Better object relation navigation
- Optimized relation loading

User Interface

- Bootstrap 5 migration
- Angular 19 upgrade
- Improved object selector with pagination
- Enhanced breadcrumb navigation
- Improved search functionality
- Better loading indicators
- Copy Identifier functionality
- Improved diagnostics interface
- General usability improvements throughout the application

Performance

- Improved database indexes
- Optimized object deletion
- Faster rendering performance
- Improved CI Explorer performance
- Optimized backend queries
- Faster object loading

Technical Improvements

- Refactored Document Generator parser architecture
- Improved backend APIs
- Enhanced logging mechanisms
- Internal API key support for Cloud installations

- Optimized report rendering pipeline
- Multiple backend performance and stability improvements

Bugfixes

- [**DAT-2338**] Fixed reference resolution issue
- [**DAT-2337**] Fixed UI issue where credentials disappeared after validation failure
- [**DAT-2323**] Improved update requests for Connections and Schedulers
- [**DAT-2322**] Fixed missing `connectionId` in connection update requests
- [**DAT-2321**] Updated routing for connection updates
- [**DAT-2314**] Fixed issue preventing Protection Goals from being deleted
- [**DAT-2166**] Corrected column order
- [**DAT-2135**] Fixed error when editing Webhooks
- [**DAT-2126**] Fixed missing objects in the **Referenced By** tab
- [**DAT-2118**] Improved GitHub workflows to resolve failing online tests
- [**DAT-2050**] Added uniqueness validation for Object Type names
- [**DAT-2005**] Fixed responsiveness of the preview modal
- [**DAT-1987**] Fixed incorrect navigation when returning from Risk Assessment to Risk
- [**DAT-1986**] Fixed missing object summary when creating a Risk Assessment from an object
- [**DAT-1984**] Improved links and breadcrumb navigation in the Persons component
- [**DAT-1983**] Fixed cleanup process when deleting sections
- [**DAT-1981**] Fixed permission handling for the **Add Relation** button
- [**DAT-1980**] Fixed external link creation without mapped fields
- [**DAT-1979**] Fixed multiple issues related to external links

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Version 3.1.0

New Features

Automations (OpenCelium Integration)

- Integration of **OpenCelium** directly into DataGerry
- Embedded **OpenCelium Connection Editor** within the application
- Creation and management of interfaces (“Automations”) directly in DataGerry
- Automation execution options:
  - Time-based (Scheduler)
  - Manual execution via button click
- Logging functionality:
  - Execution logs available after each automation run
  - Storage of the last two logs for **Success**
  - Storage of the last two logs for **Fail**

CI-Explorer Enhancements

- Visualization of relationships originating from the **Location Tree**
- CI-Explorer can now be opened via the **Toolbox**
  - Free selection of the object to be displayed when starting
- Export functionality:
  - CI-Explorer can be exported as a **PNG file**
- Dynamic root handling:
  - When changing the root object inside a Configuration Item, the currently displayed CI is automatically updated
  - Attributes of the newly selected root object are displayed immediately

Relations Configuration

- New **Preview Widget**
    - Visual preview of how relation configurations will appear in the CI-Explorer
    - Immediate feedback during configuration

Improvements

Location Tree

- Improved visual representation of locations with long names
- Added **search functionality**
- Added **filter functionality**
- Improved usability for complex hierarchical structures

Technical Improvements

- Enhanced logging mechanisms for Automations
- Improved usability when switching root objects
- Optimized rendering performance in the CI-Explorer

Changes

Documentation

- Added Automation Documentation
- Updated the documentation for the ci-explorer

Frontend

- Upgrade Angular from v17 to v19
- Bootstrap 5 adoption and angular 19
- Missing copy Identifier added for controls and type configuration
- Types not displaying in the category edit
- Redesign Toast Message
- Improve Diagnostic Ui
- Implement Object selector for CI Explorer
- Show Type Description in Object Type List page
- Add a button to confirm adding report
- Render preview in table format (with pagination)
- Improve Clone Section template modal

Backend

- SSL configuration for Webserver
- Upgrade python from 3.9 to 3.12
- Improve Object count API and public_id incrementation handling in the backend
- Error message improvements

Bugfixes

- [**DAT-2338**] Reference Resolve issue
- [**DAT-2337**] Fix the UI issue if credentials fail; then show the credentials again
- [**DAT-2323**] Improve the request (Connection Update + Scheduler Update)
- [**DAT-2322**] Fix connectionID issue in update request (connection)
- [**DAT-2321**] Update the route for connection update
- [**DAT-2314**] ProtectionGoal not deletable
- [**DAT-2166**] Change the order of the columns
- [**DAT-2135**] Editing a Webhook throws an error
- [**DAT-2126**] Objects missing in „Referenced By“ tab of object
- [**DAT-2118**] Improve GitHub workflows due to failing tests online
- [**DAT-2050**] Type creation: name uniqueness needs to be checked
- [**DAT-2005**] Preview modal is not responsive
- [**DAT-1987**] Wrong navigation after returning from Risk Assessment to Risk
- [**DAT-1986**] Object summary not displayed when adding new Risk Assessment from object
- [**DAT-1984**] Improve link and breadcrumbs of Persons component
- [**DAT-1983**] Unclean action when deleting sections fails

- [**DAT-1981**] Permission for Add Relation button
- [**DAT-1980**] External link issue while adding a link without fields
- [**DAT-1979**] External links issues
- [**DAT-1977**] Fix external links icon not visible
- [**DAT-1976**] Update type: Checkbox intermittently sent as unchecked to backend for Location control
- [**DAT-1975**] Optimise object limit logics for on-premises version
- [**DAT-1972**] Restrict Connect page from Cloud
- [**DAT-1971**] Webhook search not working
- [**DAT-1970**] Search is not working in the objects list
- [**DAT-1967**] File count in File Explorer always returns 0
- [**DAT-1964**] public_id notation issue
- [**DAT-1957**] Fix parent category dropdown integration and visibility
- [**DAT-1956**] Improve webhooks breadcrumbs
- [**DAT-1955**] Fix issues in Explorer display and functionality
- [**DAT-1954**] Change the documentation link
- [**DAT-1952**] Wrong error message for external API when reaching CI limit
- [**DAT-1944**] Improve object selection dropdown layout for long type names (while adding a relation)
- [**DAT-1844**] Upon clicking on Filter button in object type list getting error in console
- [**DAT-1824**] Password fields in MultiDataSections are shown in cleartext
- [**DAT-1538**] Invalid URL in MLHttpRequest with reverse proxy: (http://):4000/rest/
- [**DAT-1390**] Error occurs while saving a type after editing
- [**DAT-1236**] Console error when opening a type with a number field in its section
- [**DAT-1155**] Fix field ordering issue when adding new object with MDS

Version 3.0.0

New Features

Reporting System

- Introduced a new **Reporting** module accessible via `Toolbox ▸ Reporting`
- Enables creation, management, and execution of custom reports on CMDB object data
- Users can define reports per object type (CmdbType) with:
  - Custom report name and user-defined category
  - Field selection for fine-grained control over report content
  - Optional filter logic using nested AND/OR conditions
  - Multi-value field rendering options: per row or per column
- Added a separate interface to manage report categories
- Reports can be executed directly in the UI and downloaded as **CSV**
- Report results are tailored for flexible documentation, audit support, or export use cases

Webhooks

- Introduced support for **Webhooks** to enable real-time integrations with external systems
- Accessible via `Toolbox ▸ Webhooks`
- Webhooks can be configured with:
  - A custom name and description
  - The target URL to which event data should be sent
  - Trigger types (create, update, delete) to define when the webhook should fire
- Supports **POST** requests with JSON payloads for seamless integration with APIs
- Webhook execution logs are available for debugging and monitoring delivery status
- Designed for automation, event-driven workflows, and external system synchronization

n:m (many-to-many) Relations between Types

- Added the ability to configure n:m reference fields, allowing Objects to be linked to multiple other Objects and vice versa
- Enables advanced modeling scenarios such as associating multiple users with multiple systems, or linking services across multiple infrastructures
- Includes support for bidirectional navigation and optional display of related data in both linked Types

Release of the ISMS (Information Security Management System)

module

- Introduced a comprehensive module for managing information security risks based on ISO 27001 concepts
- Provides full configurability of core ISMS elements including:
  - Protection goals
  - Risk Classes and matrices
  - Likelihoods, Impacts and Impact Categories
  - Threats and Vulnerabilities
  - Controls and measures
- Added support for modeling and assessing Risks
- Risk Assessments can be assigned to specific Risks, Objects or ObjectGroups and include lifecycle data such as implementation status and treatment options
- Allows linking of controls to risks and tracking of implementation progress
- Statement of Applicability (SOA) functionality for managing control applicability and implementation
- Includes built-in reporting features for overviews like risk matrices, treatment plans, SOA, and detailed assessments
- Introduced the concept of **Persons** and **Person Groups** for mapping real-world responsibilities within assessments

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Backward incompatible changes

- We are replacing the existing exportD service with OpenCelium, an integration platform that enables seamless communication between applications via APIs. OpenCelium will allow us to deliver data flexibly and in real time via webhooks, improving data flow and integration capabilities across our ecosystem
- Another part of this change is the removal of RabbitMQ which will no longer be a dependency when installing DataGerry

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Changes

Documentation

- New design and structure of the DataGerry documentation
- API routes are now being documented using the OpenAPI format, beginning with this release. This is an ongoing process and will be expanded in future updates

Frontend

- Tests were added to various frontend components (ongoing process)
- Design changes for the detailed view of Objects
- Improved and optimized validation workflows when creating and editing Types
- Object links between two Objects are now limited to once
- Enforced uniqueness of the **Email** field when creating or updating users to prevent duplicate entries
- Refactored several components and workflows in Angular frontend to optimize speed and resource usage (onging process)
- Added a “Back” button in the “Referenced by”-tab of Object detailed views
- The special control **Reference** has now its required fields highlighted
- Improved visual feedback for invalid fields and sections when creating/editing a Type
- A new basic control type has been added to the Types creation/edit form: the Numeric Field, which strictly accepts numeric input values
- Types cannot be deleted if Reports exist which are using it
- A spinner has been added while the Frontned is waiting for API responses from the Backend
- The “Enter”-Key can now be used on the login page to trigger the “Login” button
- Login credentials are now preserved on an incorrect login attempt
- Added a toggle button to hide/show the password on the login page
- Added a default value field for basic control **Checkbox**

Backend

- New backend startup routine checks if all required collections are exisiting in the database
- Improved error message texts for backend responses to be more informative (ongoing process)
- Several APi routes were improved with proper error handling and extended error messages (ongoing process)
- Refactored several workflows and classes in Backend to optimize speed and resource usage (ongoing process)

Bugfixes

- [**DAT-568**] Fixed a bug where the creation date of Objects overwritten by the edit date when editing an Object
- [**DAT-859**] Fixed a bug where duplicate identifiers were saved for Type controls
- [**DAT-860**] Fixed a bug where duplicate identifiers were saved for Type sections
- [**DAT-883**] Fixed a bug where invalid characters could be entered in the name property when a Type is created
- [**DAT-898**] Fixed a bug where incorrect section names were applied when setting multiple section names to “Empty” while creating a Type
- [**DAT-967**] Fixed a bug where the list of documents sometiems was not updated when a document was deleted in the File Explorer
- [**DAT-968**] Fixed a bug where the Frontend crashed when saving a new Section Template
- [**DAT-979**] Fixed an issue where options from a removed reference type selection remained visible in the summary section
- [**DAT-983**] Fixed an issue when Rapidly Clicking Delete Button in File Explorer crashed the frontend
- [**DAT-984**] Fixed an issue where the file upload count was not correctly displayed in the File Explorer
- [**DAT-985**] Fixed an issue where the uploaded files were not displayed in the File Explorer
- [**DAT-989**] Fixed a bug where adding a Multi Data Sections to a Type with three existing sections caused one section to be incorrectly converted into a Multi Data Sections
- [**DAT-992**] Fixed an intermittent issue where performing a clean action on a Type could cause the application to crash
- [**DAT-1007**] Fixed an issue where accessing **Settings -> Database Properties** could result in an error with an unclear error message
- [**DAT-1019**] Fixed an issue where fields in the Type creation form lost its index when the identifier was empty
- [**DAT-1022**] Fixed an issue where the special control **Reference** could only be dragged once and the got locked
- [**DAT-1036**] Fixed a bug where identifiers were incorrectly validated against labels, causing uniqueness errors when both fields had identical values
- [**DAT-1040**] Fixed a bug where sometimes deleting **UserGroups** caused an error
- [**DAT-1042**] Fixed a bug where newly added Types where not displayed in the sidebar until the page was refreshed manually
- [**DAT-1063**] Fixed a bug where an incorrect path was used when clicking the back button in the **View Logs Page**
- [**DAT-1077**] Fixed a bug where in section templates, updating the label of an existing section does not reflect the change. This issue also occured while creating a new section label

- [**DAT-1139**] Fixed a bug where the “Unclean” action of Types resulted in an error under certain circumstances
- [**DAT-1179**] Fixed a bug where under certain circumstances the creation of Locations failed
- [**DAT-1188**] Fixed a bug where under certain circumstances a new Type could not be created(“Save” - button stayed disabled) when a Reference special control was dragged into a section
- [**DAT-1204**] Fixed a bug which occured during imports from CSV files
- [**DAT-1274**] Fixed a bug that, under certain conditions, caused the application to crash when opening the ObjectLogs
- [**DAT-1281**] Fixed a bug that caused the application to crash if a Type ,which contains a Locations, was viewed
- [**DAT-1407**] Fixed Object exporters mapping public_id to object_id
- [**DAT-1545**] Fixed an issue with incorrectly referenced type summary fields when specific input patterns are used
- [**DAT-1625**] Fixed an issue where hidden fields of Multi Data Sections were not saved upon editing an Objects
- [**DAT-1655**] Fixed an issue where the special control **Reference** label was not saved correctly inside of Section Templates
- [**DAT-1831**] Fixed a bug where incorrect data was shown inside of reference sections of Objects

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Version 2.2.0

New Features

Multi Data Sections (MDS)

- Added a new section type named **MultiDataSection**

- The **MultiDataSection** is filled with fields like a normal **Section** but it can store multiple value sets of the fields
- The values are displayed in a table where they can also be modified
- At the current state of development there are some restrictions to MultiDataSections of which some are intended and some will be implemented in later releases
  - Objects with MDS can only be exported and imported in JSON format
  - MDS entries can not be used in the DocAPI
  - MDS entries does not interact with exportd
  - MultiDataSections in objects are not displayed in bulk changes
  - MDS fields can not be used as summary fields in the type configuration

Bugfixes

- Fixed a wrongfully thrown error when generating a PDF from DocAPI although the PDF was generated correctly
- Fixed an issue where some special characters were not rendered correctly in the DocAPI
- Fixed an issue where german special characters were not imported correctly from a CSV file
- Fixed an issue where sometimes references were missing when importing from a CSV file
- Fixed an issue where the value of rows for textarea controls was not saved in the backend
- Fixed an issue in object view-mode where the “External Links”-Button would throw an error instead of opening
- Fixed an issue in object view-mode where the “Documents”-Button would throw an error instead of opening
- Fixed a bug where the “Attachments” in object view-mode showed a wrong counter
- Fixed a bug which raised an error when editing a PDF template
- Fixed an issue where changes to the label for the Special Control “Reference” were not saved
- Fixed an occurring error when adding a new DocAPI document. also fixed an issue where sometimes the template content section was not working as desired
- Fixed an occurring error when selecting the file format when importing objects
- Fixed an occurring error when importing objects
- Fixed an issue where the identifier of sections and fields was not saved in the type configuration
- Fixed a falsely displayed error message in DocAPI when creating a new template
- Fixed an issue in DocAPI where it was possible to proceed to the next step without all required fields having valid values
- Fixed a bug where it was possible to save a type configuration with an invalid section state
- Fixed a bug where the configuration of selected columns in tables were not saved
- Fixed a bug where a click on the password field in tables triggered a redirection instead of showing the password

Changes

RHEL 8

- DATAGERRY is no longer compatible with **RHEL8**. The build package of version 2.2.0 and following will use **RHEL9**

General

- Dates in date fields can now be copy pasted via keyboard, see the hint below date fields for more details on the format
- The “Cancel” button in object edit-mode page navigates back to the objects overview table instead of the objects corresponding view-mode page
- The “ATTACHMENTS” modal view in the object overview now has a “Cancel”-Button to close it instead of only be able to press the “x” in the top right corner to close it
- The “About”-Section of DATAGERRY was slightly reworked
- Changed the displayed message in backend when DATAGERRY informs the user that an update needs to be executed to update the objects/types schema due to a previous misleading message
- Added additional backend console logs for RabbitMQ connection exceptions

Frontend Changes

- Several package bumps to fix security issues
- Angular has been updated from Version 15 to Version 17
- Several modules have been refactored

Angular Package Bumps

- **@angular/animations** to **17.3.1** (from 15.2.4)
- **@angular/cdk** to **17.3.1** (from 15.2.4)
- **@angular/common** to **17.3.1** (from 15.2.4)
- **@angular/compiler** to **17.3.1** (from 15.2.4)
- **@angular/core** to **17.3.1** (from 15.2.4)

- **@angular/forms** to **17.3.1** (from 15.2.4)
- **@angular/localize** to **17.3.1** (from 15.2.4)
- **@angular/material** to **17.3.1** (from 15.2.4)
- **@angular/platform-browser** to **17.3.1** (from 15.2.4)
- **@angular/platform-browser-dynamic** to **17.3.1** (from 15.2.4)
- **@angular/router** to **17.3.1** (from 15.2.4)
- **@fortawesome/angular-fontawesome** to **0.14.1** (from 0.12.1)
- **@fortawesome/fontawesome-free** to **6.5.1** (from 6.4.2)
- **@fortawesome/fontawesome-svg-core** to **6.5.1** (from 6.4.2)
- **@fortawesome/free-brands-svg-icons** to **6.5.1** (from 6.4.2)
- **@fortawesome/free-regular-svg-icons** to **6.5.1** (from 6.4.2)
- **@fortawesome/free-solid-svg-icons** to **6.5.1** (from 6.4.2)
- **@ng-bootstrap/ng-bootstrap** to **16.0.0** (from 14.2.0)
- **@ng-select/ng-select** to **12.0.7** (from 10.0.4)
- **angularx-qrcode** to **17.0.0** (from 15.0.1)
- **chart.js** to **4.4.2** (from 2.9.4)
- **chartjs-plugin-datalabels** to **2.2.0** (from 0.7.0)
- **core-js** to **3.36.1** (from 3.33.2)
- **moment-timezone** to **0.5.45** (from 0.5.43)
- **ngx-drag-drop** to **17.0.0** (from 15.1.0)
- **ngx-filesaver** to **17.0.0** (from 11.0.0)
- **ngx-icon-picker** to **1.11.2** (from 1.10.0)
- **ngx-indexed-db** to **16.0.0** (from 12.0.0)
- **node-sass** to **9.0.0** (from 8.0.0)
- **rxjs** to **7.8.1** (from 6.6.7)
- **semver** to **7.6.0** (from 7.5.4)
- **tinymce** to **7.0.0** (from 6.7.2)
- **zone.js** to **014.4** (from 0.14.2)

Backend Changes

- Several package bumps to fix security issues

Python Package Bumps

- **alabaster** to **0.7.16** (from 0.7.13)
- **astroid** to **3.1.0** (from 3.0.1)
- **Authlib** to **1.3.0** (from 1.2.1)

- **Babel** to **2.14.0** (from 2.13.1)
- **certifi** to **2024.2.2** (from 2023.7.22)
- **coverage** to **7.4.3** (from 7.3.2)
- **cryptography** to **42.0.5** (from 41.0.5)
- **flake8** to **7.0.0** (from 6.1.0)
- **Flask** to **3.0.2** (from 3.0.0)
- **idna** to **3.6** (from 3.4)
- **isort** to **5.13.2** (from 5.12.0)
- **Jinja2** to **3.1.3** (from 3.1.2)
- **MarkupSafe** to **2.1.5** (from 2.1.3)
- **packaging** to **24.0** (from 23.2)
- **Pillow** to **10.2.0** (from 10.1.0)
- **pluggy** to **1.4.0** (from 1.3.0)
- **pyasn1** to **0.5.1** (from 0.5.0)
- **pycairo** to **1.26.0** (from 1.25.1)
- **pycrptodome** to **3.20.0** (from 3.19.0)
- **pyflakes** to **3.2.0** (from 3.1.0)
- **Pygments** to **2.17.2** (from 2.16.1)
- **pyinstaller** to **6.5.0** (from 6.1.0)
- **pyinstaller-hooks-contrib** to **2024.3** (from 2023.10)
- **pylint** to **3.1.0** (from 3.0.2)
- **pymongo** to **4.6.2** (from 4.6.0)
- **pyOpenSSL** to **24.1.0** (from 23.3.0)
- **pytest** to **8.1.1** (from 7.4.3)
- **pytest-metadata** to **3.1.1** (from 3.0.0)
- **python-dateutil** to **2.9.0.post0** (from 2.8.2)
- **reportlab** to **4.0.9** (from 4.0.7)
- **sphinxcontrib-applehelp** to **1.0.8** (from 1.0.7)
- **sphinxcontrib-devhelp** to **1.0.6** (from 1.0.5)
- **sphinxcontrib-htmlhelp** to **2.0.5** (from 2.0.4)
- **sphinxcontrib-qthelp** to **1.0.7** (from 1.0.6)
- **sphinxcontrib-serializinghtml** to **1.1.10** (from 1.1.9)
- **urllib** to **2.2.1** (from 2.0.7)
- **xhtml2pdf** to **0.2.15** (from 0.2.13)

Version 2.1.0

New Features

Section Templates

- Added a new tab under **Framework => Section Templates** where sections can be prebuild and then used in the type configurations via drag and drop
- There are three different types of section templates: Standard, Global and Predefined
- Added new rights for section templates

Locations

- A “Toggle”-Button was added to the location tab in the sidebar. Now it is possible to use the complete sidebar to display locations
- Added a filter field to search for specific locations

deb-Package

- Starting with version 2.1.0 DATAGERRY will provide a deb-package for installations on debian systems

Bugfixes

- Object Links are now deleted when one of the objects is deleted
- In type configurations the field “Reference type selections” for the special control “Reference” is now a required field. When this field was not set, no objects were displayed for selection in object configurations
- The overview of selection fields now display correctly the select-option label instead of the select-option-value
- Fixed various errors when opening object logs

- The “Cleanup”-Button is now usable in object logs
- Fixed an error occurring when pressing the “Edit”-Button in the categories overview
- Fixed an error occurring when closing the “Add Link” popup in the object overview
- Fixed an issue where the values of fields (except name and label) of controls in type config were not saved in the database
- Fixed a bug where subcategories were not accessible when the parent category got deleted
- Fixed “Copy to clipboard” action for select fields taking the option value instead of the option label
- Fixed a bug causing an application crash when adding an object link in the “Add link” popup but not providing a value
- Fixed a bug where the status message popups in the top right corner could not be closed
- Fixed an issue where sometimes the “Root”-Location was not automatically created in the database
- Fixed an issue with basic auth where it didn’t work as intended
- Fixed a bug where an error wa shown although a type was successfully exported
- Fixed all tabs of object logs (Settings => Object Logs) where wrong data was loaded or not loaded at all
- Fixed all tabs of object logs (Settings => Object Logs) where various errors occurred
- Fixed the “Cleanup”-Button for all object logs (Settings => Object Logs) which should now work

Changes

DATAGerry Assistant

- Created types are now placed in categories instead of being added plain
- Added predefined section templates to several types which can be created via the assistant

General

- When an object is deleted, all corresponding object links will be removed. Additionally the object reference will be removed from all other objects referencing the deleted object
- Removed the info box in the type overview
- Moved the status message boxes in the top right corner down to not overlap the buttons like Settings, Logout etc.
- Fields and section identifiers are now getting an UUID instead of a random number
- In the object list table an object’s **View Mode** can now be accessed by clicking once into the row and the **Edit Mode** can be accessed by double clicking the row of the object

- When cloning a type, the sections and fields will receive new IDs if required (global section templates won't get new IDs)

Frontend Changes

- Several package bumps to fix security issues
- Several package bumps in preparation to upgrade the codebase to Angular 16 since Angular 15 is about to reach EoL for security support

Angular Package Bumps

- **@fortawesome/fontawesome-free** to **6.4.2** (from 6.4.0)
- **@fortawesome/fontawesome-svg-core** to **6.4.2** (from 6.4.0)
- **@fortawesome/free-brands-svg-icons** to **6.4.2** (from 6.4.0)
- **@fortawesome/free-regular-svg-icons** to **6.4.2** (from 6.4.0)
- **@fortawesome/free-solid-svg-icons** to **6.4.2** (from 6.4.0)
- **@popperjs/core** to **2.11.8** (from 2.11.6)
- **@tinymce/tinymce-angular** to **7.0.0** (from 4.2.4)
- **@types/chart.js** to **2.9.40** (from 2.9.37)
- **@types/file-saver** to **2.0.7** (from 2.0.5)
- **angular-archwizard** to **7.0.0** (from 6.1.0)
- **core-js** to **3.33.2** (from 3.29.1)
- **jquery** to **3.7.1** (from 3.6.4)
- **ngx-drag-drop** to **15.1.0** (from 2.0.0)
- **ngx-indexed-db** to **12.0.0** (from 11.0.2)
- **primeicons** to **6.0.1** (from 5.0.0)
- **semver** to **7.5.4** (from 5.7.1)
- **tinymce** to **6.7.2** (from 5.10.7)
- **tslib** to **2.6.2** (from 2.5.0)
- **zone.js** to **0.14.2** (from 0.11.4)
- **@babel/traverse** to **7.23.3** (from 7.21.3)
- **@types/bootstrap** to **5.2.9** (from 4.6.2)
- **@types/jasmine** to **5.1.2** (from 3.6.0)
- **@types/jasminewd2** to **2.0.13** (from 2.0.10)
- **@types/jquery** to **3.5.27** (from 3.5.16)
- **@types/node** to **20.9.0** (from 12.20.55)
- Added **uuid 9.0.1**
- Added **@types/uuid 9.0.7**

- **codelyzer** to **6.0.2** (from 6.0.0)
- **jasmine-core** to **5.1.1** (from 3.99.1)
- **jasmine-spec-reporter** to **7.0.0** (from 5.0.0)
- **karma-coverage-istanbul-reporter** to **3.0.3** (from 3.0.2)
- **karma-jasmine** to **5.1.0** (from 4.0.2)
- **karma-jasmine-html-reporter** to **2.1.0** (from 1.7.0)
- **ts-node** to **10.9.1** (from 8.3.0)
- **tslint** to **6.1.3** (from 6.1.0)
- **typescript** to **5.2.2** (from 4.8.4)

Backend Changes

- The version of MongoDB for development is increased to 6.0 due the upcoming End of Life for MongoDB 4.4 and 5.0. There are currently noissues with MongoDB 4.4 and 5.0 and they should be compatible with the newest Version of DATAGERRY
- Several package bumps to fix security issues

Python Package Bumps

- **altgraph** to **0.17.4** (from 0.17.3)
- **astroid** to **3.0.1** (from 2.15.5)
- **Babel** to **2.13.1** (from 2.12.1)
- **blinker** to **1.7.0** (from 1.6.2)
- **Cerberus** to **1.3.5** (from 1.3.4)
- **cffi** to **1.16.0** (from 1.15.1)
- **chardet** to **5.2.0** (from 5.1.0)
- **click** to **8.1.7** (from 8.1.3)
- **coverage** to **7.3.2** (from 7.2.7)
- **cryptography** to **41.0.5** (from 41.0.1)
- **flake8** to **6.1.0** (from 6.0.0)
- **Flask** to **3.0.0** (from 2.3.2)
- **gunicorn** to **21.2.0** (from 20.1.0)
- **packaging** to **23.2** (from 23.1)
- **Pillow** to **10.1.0** (from 10.0.0)
- **pluggy** to **1.3.0** (from 1.2.0)
- **pycodestyle** to **2.11.1** (from 2.10.0)
- **pycryptodome** to **3.19.0** (from 3.18.0)
- **pyflakes** to **3.1.0** (from 3.0.1)

- **Pygments** to **2.16.1** (from 2.15.1)
- **pyinstaller** to **6.1.0** (from 5.13.0)
- **pyinstaller-hooks-contrib** to **2023.10** (from 2023.4)
- **pylint** to **3.0.2** (from 2.17.4)
- **pymongo** to **4.6.0** (from 3.11.2)
- **pyOpenSSL** to **23.3.0** (from 23.2.0)
- **pyparsing** to **3.1.1** (from 3.1.0)
- **pytest** to **7.4.3** (from 7.4.0)
- **pytest-html** to **4.1.1** (from 3.2.0)
- **pytz** to **2023.3.post1** (from 2023.3)
- **reportlab** to **4.0.7** (from 3.6.13)
- **Sphinx** to **7.2.6** (from 7.0.1)
- **sphinxcontrib-applehelp** to **1.0.7** (from 1.0.4)
- **sphinxcontrib-devhelp** to **1.0.5** (from 1.0.2)
- **sphinxcontrib-htmlhelp** to **2.0.1** (from 2.0.4)
- **sphinxcontrib-qthelp** to **1.0.6** (from 1.0.3)
- **sphinxcontrib-serializinghtml** to **1.1.9** (from 1.1.5)
- **urllib3** to **2.0.7** (from 2.0.3)
- **Werkzeug** to **3.0.1** (from 2.3.6)
- **xhtml2pdf** to **0.2.13** (from 0.2.11)

Version 2.0.0

New Features

Locations

- The sidebar now contains a new Tab “Locations” where locations are displayed in a tree structure

- Added new Special Control “Location” for types which enables types to be assigned to locations

Assistant

- Reworked initial assistant
- It is now possible to select branches and profiles and DATAGERRY will automatically create the corresponding types for a quick start
- Added a link to the assistant in the toolbox (**Toolbox => Assistant**) so that it is possible to start it manually

Bugfixes

- Fixed a bug displaying popup boxes behind the gray overlay background
- Fixed an error where the progress bar of a toast was not animated(Popup confirmations in the top right corner)
- Fixed a bug where saving a column config the input field would get an invalid red border. The red border now correctly only appear if the input field is empty when clicking the save button
- Fixed a display bug in Exportd list where the column name was “Name” instead of “Label”
- Fixed an error where Links between objects where not displayed in the object overview
- Fixed a bug where the filter in the sidebar did not hide “Uncategorised” Types if the filter-input did not match
- Fixed an occurring error when pressing the “Show Tabs” button in the object overview when the object didn’t have any references
- Fixed a bug where object counters where not correctly updated when switching between “Only Active Objects” and “All Objects”-Mode
- Fixed a display bug where other elements overlapped the sidebar when in cropped view
- Fixed an error when copying dates to clipboard resulting in output to be [object Object]
- Fixed bugs with the “Save” and “Cancel” button when creating new categories not working as intended
- Fixed an error occurring when closing popups via the “x” in the top right corner at several places in DATAGERRY
- Fixed stacking counters when interacting with bulk changes
- Fixed an error appearing when pressing to often and to fast references in object overviews
- Fixed a bug falsely displaying an error when objects are exported
- Fixed a bug where multiple clicks were required to change the order of a table column
- Fixed a visual bug where the scroll bar on text area fields was to small to be selected
- Fixed a visual bug for the type overview on the dashboard

- Fixed a visual bug hiding the filter field in the sidebar when cropping browser to mobile view mode
- Fixed several occurrences where parts of the application were not reloaded after changes took place
- Fixed a bug which cleared the table when clicking “Default configs” in object list
- Fixed a bug where the sidebar was not reloaded after deleting a type and still showing the deleted type

Changes

- Rework of the Feedback-Form (**Toolbox => Feedback**)
- When creating or editing a type it is no longer possible to proceed to the next step (or press the “Save”-button) if this step has invalid fields
- Added an “x” to be able to clear the filter input in the sidebar
- Types are now only deletable if no object instances exist of this type
- Dropped support for python 3.6, 3.7 and 3.8

Frontend Changes

- Bumped Angular packages to 15.2.4
- Bumped Angular package dependencies to fit Angular 15.2.4

Backend Changes

- Bumped Python to Version 3.9.16
- Tests are run against MongoDB 4.4, 5.0 and 6.0 with Python 3.9 (Dropped tests for Python 3.7, 3.8 and MongoDB 4.2)
- Added location logics to backend
- Deleting an object with also delete the corresponding location

Python Package Bumps

- **alabaster** to **0.7.13** (from 0.7.12)
- **altgraph** to **0.17.3** (from 0.17)

- **astroid** to **2.15.5** (from 2.5.1)
- **attrs** to **23.1.0** (from 20.3.0)
- **Authlib** to **1.2.1** (from 0.15.3)
- **Babel** to **2.12.1** (from 2.8.0)
- **blinker** to **1.6.2** (from 1.4.0)
- **Cerberus** to **1.3.4** (from 1.3.2)
- **certifi** to **2023.7.22** (from 2020.6.20)
- **cffi** to **1.15.1** (from 1.14.3)
- **chardet** to **5.1.0** (from 3.0.4)
- **click** to **8.1.3** (from 7.1.2)
- **coverage** to **7.2.7** (from 5.5)
- **cryptography** to **41.0.1** (from 3.4.7)
- **docutils** to **0.20.1** (from 0.16)
- **et-xmlfile** to **1.1.0** (from 1.0.1)
- **flake8** to **6.0.0** (from 3.8.4)
- **Flask** to **2.3.2** (from 1.1.2)
- **Flask-Cors** to **4.0.0** (from 3.0.9)
- **gunicorn** to **20.1.0** (from 20.0.4)
- **idna** to **3.4** (from 2.10)
- **imagesize** to **1.4.1** (from 1.2.0)
- **iniconfig** to **2.0.0** (from 1.1.1)
- **isort** to **5.12.0** (from 5.5.3)
- **itsdangerous** to **2.1.2** (from 1.1.0)
- **Jinja2** to **3.1.2** (from 2.11.2)
- **lazy-object-proxy** to **1.9.0** (from 1.4.3)
- **ldap3** to **2.9.1** (from 2.8.1)
- **MarkupSafe** to **2.1.3** (from 1.1.1)
- **mccabe** to **0.7.0** (from 0.6.1)
- **openpyxl** to **3.1.2** (from 3.0.5)
- **packaging** to **23.1** (from 20.4)
- **Pillow** to **10.0.0** (from 8.1.2)
- **pluggy** to **1.2.0** (from 0.13.1)
- **py** to **1.11.0** (from 1.10.0)
- **pyasn1** to **0.5.0** (from 0.4.8)
- **pycodestyle** to **2.10.0** (from 2.6.0)
- **pycparser** to **2.21** (from 2.20)
- **pycryptodome** to **3.18.0** (from 3.10.1)
- **pyflakes** to **3.0.1** (from 2.2.0)
- **Pygments** to **2.15.1** (from 2.7.1)
- **pyinstaller** to **5.1.3.0** (from 4.0)
- **pyinstaller-hooks-contrib** to **2023.4** (from 2020.8)
- **pylint** to **2.17.4** (from 2.7.2)

- **PyMySQL** to **1.1.0** (from 0.10.1)
- **pyOpenSSL** to **23.2.0** (from 19.0.0)
- **pyparsing** to **3.1.0** (from 2.4.7)
- **PyPDF2** to **3.0.1** (from 1.26.0)
- **pytest** to **7.4.0** (from 6.2.2)
- **pytest-cov** to **4.1.0** (from 2.11.1)
- **pytest-html** to **3.2.0** (from 3.1.1)
- **pytest-metadata** to **3.0.0** (from 1.11.0)
- **python-dateutil** to **2.8.2** (from 2.8.1)
- **pytz** to **2023.3** (from 2020.1)
- **reportlab** to **3.6.13** (from 3.5.50)
- **requests** to **2.31.0** (from 2.24.0)
- **six** to **1.16.0** (from 1.15.0)
- **snowballstemmer** to **2.2.0** (from 2.0.0)
- **Sphinx** to **7.0.1** (from 3.2.1)
- **sphinxcontrib-applehelp** to **1.0.4** (from 1.0.2)
- **sphinxcontrib-htmlhelp** to **2.0.1** (from 1.0.3)
- **sphinxcontrib-httpdomain** to **1.8.1** (from 1.7.0)
- **sphinxcontrib-serializinghtml** to **1.1.5** (from 1.1.4)
- **toml** to **0.10.2** (from 0.10.1)
- **urllib3** to **2.0.3** (from 1.25.10)
- **Werkzeug** to **2.3.6** (from 1.0.1)
- **wrapt** to **1.15.0** (from 1.12.1)
- **xhtml2pdf** to **0.2.11** (from 0.2.4)