



# Release Notes

🐛 - Bugfix | 🔧 - Improvement | ✂️ - New Free Feature | ☆ - New Premium Feature

## Version 2.3 (16.6.2026)

- 🐛 - Fix duplicated id for database views and tables
- 🐛 - Fix dialog for linking database column to multiple entities
- 🐛 - Fix reference to g-xta in gcrop tag of full table svg diagram
- 🐛 - Fix wrong dummy attribute in Enum svg diagrams
- 🐛 - Fix wrong value of persistence unit unlisted classes flag
- ✂️ - New PDF output format

## Version 2.2 (6.2.2025)

- 🐛 - Fix remove annotations from TypeMirror when analyzing attribute types
  - 🐛 - Fix ordering of Enums in left window
  - 🐛 - Fix ordering of Domain objects in domain detail view
  - 🐛 - Fix call java executable for Linux
  - 🐛 - Fix NPE when <jar-file> could not be found for a persistence unit
  - 🐛 - Fix hide download button and input field for cropped diagrams when a new diagram is opened in the same window
  - 🐛 - Fix 'source not found' error when attribute has certain annotations (TypeMirror.toString could include certain annotations)
  - 🐛 - Fix sorting of sources and dependencies when Comparable compares with null
  - 🐛 - Fix parsing of persistence-units without transaction-type attribute
  - 🐛 - Fix duplicated file name when analyzing multiple applications
  - 🔧 - JavaDoc is taken from getter if not present on field and vice versa, depending on access type
  - 🔧 - Improved layout of detail display to prevent vertical scrolling
  - 🔧 - new configuration property excludedSources
  - ☆ - Analysis of partitioning in Oracle databases
  - ☆ - Rule check: rule that checks if a foreign key constraint exists when in Java an association between entities exists
  - ✂️ - New main menu that provides help items for the tool
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# Version 2.1 (27.7.2024)

- 🐛 - Fix compareTo methods if an attribute is null
- 🐛 - Fix compare of domain objects with equal simple name
- 🐛 - Allow all log levels from java.util.logging
- 🐛 - Fix missing file separator in temp directory for Linux
- 🔧 - load jar file of persistence unit from classpath if could not be opened from root
- 🔧 - Moved temporary classpath files directory japedo\_temp to environment temp directory
- 🔧 - Make the temporary classpath directory unique per application
- 🔧 - Changed application name parameter \$2026-06-23T08:04:06Z to %date% in order to not interfere with Maven parameters
- ⚙️ - new configuration parameter sqlScript that allows to execute an SQL script before analyzing the database
- ☆ - new configuration parameter sqlScript allows execution of Liquibase changelog files
- ☆ - Rule check: rule that checks if @Id annotated attributes can be modified externally
- ☆ - new output format json based on a json schema file
- ☆ - Checkboxes per issue in the issue report to select and copy to clipboard issues that should be ignored

# Version 2.0 (30.12.2023)

Please note: Data files generated by previous versions are not compatible with this version and cannot be set in the configuration!

- 🐛 - Fix missing display of long descriptions in popups and window
  - 🐛 - Remove links to mapping diagrams for database- and sources-only analysis
  - 🐛 - Fix multiple changes in one column/field are not displayed in compare dialog
  - 🐛 - Fix display of wrong error details for ignored issues
  - 🐛 - Fix wrong application of NoAnnotationsOnTransientRule when binary classes are analyzed
  - 🐛 - Fix wrong links in Compare dialog when switching applications
  - 🔧 - Refactoring and streamlining of generated data files
  - 🔧 - Manifest details display can be toggled as shown and hidden
  - 🔧 - Support of delimited identifiers for database objects (section 2.13 of JPA Spec 2.2)
  - 🔧 - Display database catalog and schema information
  - 🔧 - prettyPrint configuration flag to store data file with indentations and line feeds
  - 🔧 - add application documentation in configuration
  - 🔧 - add slf4j dependency
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- 🛠️ - Analyze and display of database sequence information
- 🛠️ - Analyze and display of ID generator information
- ☆ - Rule check: rule that checks if type of @Id annotated fields and properties is portable
- ☆ - Rule check: rule that checks that @Version annotated fields are not modifiable by the application
- ☆ - Rule check: rule that checks that each table has a primary key

## Version 1.5 (16.4.2023)

- 🛠️ - Fix switch on/off of magnifier button causes svg overlays
- 🛠️ - Fix analyze of getter methods for boolean fields beginning with is...
- 🛠️ - Fix escaping for Manifest attribute values
- 🛠️ - Fix NoSuchMethodError when older versions of xerces are in the classpath
- 🛠️ - Fix check if all sources are available
- 🛠️ - Fix mac detection when dynamic mac addresses are used
- ☆ - cropping of diagrams
- ☆ - download of cropped diagrams
- ☆ - check for doubled job name
- ☆ - the job configuration parameter dataFile accepts a directory. All files ending with -job.js are applied
- 🛠️ - expression \$2026-06-23T08:04:06Z is resolved to the current date in job name
- 🛠️ - Display of manifest details for dependencies
- 🛠️ - timeout configuration parameter removed
- 🛠️ - configuration of sources optional. If not present, the binaries are analysed for JPA implementations instead of source files

## Version 1.4 (10.9.2022)

- 🛠️ - Fix duplicated class attributes in combined diagram svg images
  - 🛠️ - Fix missing entity reference in UNKNOWN\_ENTITY error
  - 🛠️ - Fix NPE when target type in relation is missing
  - 🛠️ - Fix NPE when no ignored errors are set in the job.
  - 🛠️ - Fix reset of zoom slider of lower window
  - 🛠️ - Fix search displays searched item in lower window when Alt key is pressed
  - 🛠️ - Fix entity and domain diagrams containing items with the same name in different packages
  - 🛠️ - Fix out of center zooming when scrolled
  - 🛠️ - resolve unique constraints from unique indexes
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- 🛠 - performance improvement of diagram generation
- 🛠 - updated versions of libraries to fix some bugs
- ☆ - scalable and resizable loupe for diagrams
- ☆ - Resolving of domain boundaries and displaying them in the domain object diagram
- ☆ - Rule check: new rule checks that explicitly set column properties in @Column corresponds to the database column properties
- ☆ - Rule check: detect interdependencies between domains

## Version 1.3 (8.7.2022)

- 🛠 - Fix pruning of redundant types. Wrong types were pruned due to implemented equals() method
- 🛠 - Fix missing sub classes of mapped super classes in model and graph
- 🛠 - Fix graph moving out of center when zooming in/out
- 🛠 - removed hierarchy information in domain object views
- 🛠 - Fix missing level information in error details views
- 🛠 - Fix Window title when clicking yellow chain icon
- 🛠 - slider on graphs for fine-grained zooming
- 🛠 - extended application information includes analyzed sources and dependencies
- ☆ - error report renamed to issue report
- ☆ - possibility to set issues to ignored in the configuration file
- ☆ - Rule check: new rule checks cascade type on relation attributes
- ☆ - Rule check: new rule detects duplicated dependencies in the classpath

## Version 1.2 (20.5.2022)

- ☆ - Rule check: new rule checks that no mixed annotations on fields and properties
  - ☆ - Rule check: new rule checks that transient fields have no JPA annotations
  - ☆ - Rule check: new rule checks subclasses overriding mapping metadata of superclasses
  - ☆ - Rule check: new rule checks that equals() and hashCode() methods are implemented in composite key classes
  - ☆ - diagram that maps entity classes on tables
  - ☆ - diagram that maps entity classes and domain objects
  - ☆ - diagram that maps domain objects on tables
  - 🛠 - Class diagram of a single persistent type or enum show all classes that have a dependency to this class
  - 🛠 - Links added to class diagrams of single persistent types and enums which point to the detail
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presentations

- 🛠 - Table diagram of a single table show all other tables that have a constraint to this table
- 🔗 - Links added to table diagrams of single tables which point to the detail presentations
- 🐛 - Fix wrong number/string comparison when initializing svg diagrams
- 🐛 - fix missing escaping of unicode characters in documentation
- 🐛 - fix missing size property when comparing columns
- 🗑 - remove obsolete panel type settings
- 🐛 - fix that differences in a parent class are not also displayed as duplicates for child classes
- 🐛 - fix that differences in an embeddable class are not displayed as duplicates for embedding classes

## Version 1.1 (6.1.2022)

- 🐛 - fix canceling the settings dialog
- 🔗 - increase flexibility for opening links in upper or lower window with mouse click + Alt key
- 🛠 - small layout improvements
- 🛠 - library versions upgraded
- 🔍 - zoom and pan of database and JPA overview images
- 🔍 - linking from tables and classes in database and JPA overview images to the respective details in tabular form
- ☆ - comparing functionality between jobs for database tables and JPA classes

## Version 1.0 (23.10.2021)

- 🔍 - graphical representation of JPA classes and tables and their relations
  - ☆ - new html page for error reports (premium version)
  - ☆ - Support of multiple analysis jobs per Japedo execution and of stored job executions. Menu for dynamically switching between jobs (premium version)
  - ☆ - Check of the application for respecting rules and conventions of the JPA specification (premium version)
  - 🛠 - settings dialog layout improved
  - 🛠 - Not required anymore to set Java version in PATH. The Main class can also be called directly with the Java runnable.
  - 🛠 - Adjust maximum height of popup window to viewport size
  - 🛠 - Re-design of configuration file from properties format to structured xml based on xsd
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## Version 0.5.1 (19.6.2021)

- 🛠 - fix layout problem of top menu bar when reference name differs in length
- 🛠 - fix for JPA classes inheriting from non-JPA classes
- 🛠 - fix for non existing target/test-classes directory
- 🛠 - fix for multiple occurrences of persistent types with different qualified name but same name
- 🛠 - fix defaulting referenced column name of secondary tables @PrimaryKeyJoinColumn
- 🛠 - fix List and Map attributes annotated with @Lob
- 🛠 - fix missing column error for inverse column of ElementCollection table
- 🛠 - fix missing view error
- 🛠 - add support for japedo maven plugin
- 🛠 - configuration parameter meta.dbReferenceName renamed to core.name
- 🛠 - Error report layout improved

## Version 0.5 (8.5.2021)

- 🛠 - restructuring and renaming of configuration parameters
  - 🛠 - small layout improvements
  - ☆ - new business domain type perspective (premium version)
  - ☆ - analyzing of persistence units (premium version)
  - ☆ - support of orm xml mapping files (premium version)
  - 🛠 - remove from the list redundant mapped super classes and embeddables
  - 🛠 - display for embeddables in which classes they are embedded
  - 🛠 - display for mapped super classes of which classes they are super classes
  - 🛠 - add linkage for foreign key table
  - 🛠 - improve error reporting of missing sources and compilation errors
  - 🛠 - add database reference value and execution time in the Japedo report header
  - ☆ - linkage of table columns with JPA and domain object attributes (premium version)
  - 🛠 - display complete manifest content
  - 🛠 - replace lists in settings dialog with radio buttons
  - ☆ - search functionality with auto-completion (premium version)
  - 🛠 - fix analysis of primary and foreign key constraints with multiple columns
  - 🛠 - performance improvements
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# Version 0.4 (12.12.2020)

- 🚫 - null value in foreign key column names
  - 🚫 - missing table name links in some references of [Table/Column] column in JPA perspective
  - 🚫 - only read indexes for tables not for views
  - 🚫 - hide embeddable attributes of superclasses when 'show superclass attributes' is set to false
  - 🚫 - stop complete documentation generation if one thread in parallel processing is interrupted due to timeout or error
  - 🚫 - don't set discriminator value for mapped super classes
  - 🔧 - Compilation of the Java sources returns JapedoRuntimeException if an error occurs and further processing stops
  - 🔧 - Support of slashes and backslashes in paths of properties in configuration file
  - 🔧 - set default timeout to -1 (no timeout)
  - 🔧 - collect non-fatal errors and continue processing. Errors are reported at the end
  - 🔧 - Performance increase of database analysis, added the possibility to configure the number of threads to be used for database inspection (see user manual documentation)
  - 🔧 - Better distinction between documentation generated by database or source code analysis in html presentation by colors
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