

RELEASE NOTES

# Panopticon

Version 2024.0

## New Features

Visualization	
Feature ID	Description
DDTV-18647	New Gauge visualization
DDTV-21227	Legacy graphs hidden by default
DDTV-22009	Dynamically added tooltip variables for the Gauge, X-Axis, and Y-Axis graphs
DDTV-22008	Support for scientific/exponential notation format strings
DDTV-22549	New Show Only Visible option in Details variable
DDTV-22181 DDTV-21205	X- Axis and Y-Axis graphs – Axis settings touch up
DDTV-22011	New crossbar shape

Data Connectivity	
Feature ID	Description
DDTV-21761	New File Data connector
DDTV-21991	Ability to upgrade existing data extract to data table
DDTV-22042	Empty Record Path in Altair IoT Studio connector is allowed
DDTV-22315 DDTV-22147	New “Hour Minute Second” time bucket
DDTV-21959	New Week Number time bucket
DDTV-22167	JSON parsing improvements
DDTV-22587	JSON Parser - Single element arrays supported with automatic record path suggestion
DDTV-21990	JDBC Connector - Automatic selection of database URL and database SQL dialect, and addition of new data log feature

DDTV-21294	Ability to clear data from Data Store in Data Library
DDTV-21795	Data Store operation consistency in Data Library and Data Table editor
DDTV-21835	New setting for maximum number of columns to generate when parsing JSON, thereby preventing browser crash due to unsuitable JSON structures
DDTV-21829	Ability to set Local Datacenter in Cassandra connector
DDTV-21163	Support for HTTP 202 response code ('Accepted') in the Web Data Connector

## Data Framework

Feature ID	Description
DDTV-22165	Calculated Columns – Allow leading integer zeros in number conversion
DDTV-22125	Count Distinct text aggregation supported with Query On Demand
DDTV-21339	Support for Data Policy on Query on Demand and Data Store data tables
DDTV-22222	Data Policy – Allow exclusion of columns
DDTV-22297	Support for parsing and formatting of sub-millisecond time values when format has time zone suffix
DDTV-21404	Auto Key disabled for Data Store data tables
DDTV-11139	Message Bus connectors – Data parameterization support for Time data type column
DDTV-16230	Text and Message Bus connectors – Support filtering of Time/Numeric columns or parameters

## Analytics

Feature ID	Description
DDTV-17069 DDTV-12380 DDTV-18528 DDTV-18277 DDTV-21041	Alerts - Collaboration and workflow improvements
DDTV-21753	X-Axis and Y-Axis graphs – Remove duplicated data columns from Copy Data
DDTV-21737	Data Profiling – Min/Max for date values contextually show HH:mm:ss if yyyy-MM-dd is the same
DDTV-21329	Support for assignment of Text values to colors in a palette done with alphabetic sorting

## Server Improvements

Feature ID	Description
DDTV-21119	Easy workbook sharing with Anonymous users
DDTV-22582	Support for all Text columns to be used in Group By with External Aggregates
DDTV-22059	Requirement to use JDK 17, JRE 17. Ending support for Java < 17
DDTV-21867	New client.filepath.upload.disabled property

## Web Designer/UX

Feature ID	Description
DDTV-19666	Change Edit Data Table button behavior to work for all data tables
DDTV-21694	Dashboard Parts will be unassociated with any data table until a data column is applied to the dashboard part
DDTV-18595 DDTV-21698	Re-enable editing of item name while in Edit mode

DDTV-22528	New Single Color Palettes for White and Black
DDTV-21556	Ability to move multiple data tables to Data Library with a single click
DDTV-22007	Data Table setting moved to the top of visualization Options section

## Dashboarding

Feature ID	Description
DDTV-22891	Export Raw Data disabled by default in Dashboard Options
DDTV-21378	Ability to hide the Snapshot handle in Time Filter

## Admin UI

Feature ID	Description
DDTV-21974	Indication in Data Library that a data table has Data Policy applied
DDTV-22065	Panopticon version exposed in the admin GUI for Designers and Viewers
DDTV-20732	Special folder icon in My Workspace for any folder with modified Permissions
DDTV-21979	Subscriptions – Remove time slices column
DDTV-21771	Harmonized clickable area behavior in list views

## Reporting

Feature ID	Description
DDTV-22458 DDTV-21845	Better default settings for PDFs

## Fixed Issues

Issue ID	Description
DDTV-22683	Export Excel (CSV-format) option is not working for the Table visualization
DDTV-22738	Timeseries Snapshot defaults – Erratic behavior; could not stick to Right Hand side
DDTV-22861	Patching for log4j vulnerability WEB-INF/lib/confluent-log4j-1.2.17-cp1.jar
DDTV-22586	X-Axis and Y-Axis graphs – Exception when copying data
DDTV-22770	Unable to open workbook with live data driven parameter and ResetFiltersOnParameterUpdate=true
DDTV-21038	CountDistinct not working with QoD
DDTV-22289	Email CSV scheduled task - Unknown error when executing the following task/Failed to zip file for Images
DDTV-22153	Scheduler task Excel emails. - "The number in this cell is formatted as text or preceded by an apostrophe" error
DDTV-22038	JSON Record Path value is stripped from all names in the JSON
DDTV-21929	Text color legend horizontal, right-aligned writes values so that it reads from "Z to A" instead of "A to Z"
DDTV-22594	X-Axis and Y-Axis Graphs - Member labels with font size larger than the default gets cut
DDTV-21741	Text Aggregates return nothing with QoD error only generates log warning
DDTV-22127	In a Table visualization, a record showing a text column as Count Distinct will sort the count numbers as text
DDTV-22152	Threading issue in HyperWorksUnitsLicensingManager
DDTV-22570	Unable to delete missing workbook
DDTV-22276	java.lang.IndexOutOfBoundsException - "The row index row is invalid. Must be non-negative and less than 2,474"
DDTV-22190	Action parts with Action Mode set to Action but with no action selected is failing to load dashboard
DDTV-22143	Horizontal text axis Leaf Bar Thickness zero not working
DDTV-22298	Aggregate syntax error due to unescaped column names using reserved words "at" or "series"

DDTV-22074	Unable to save data table due to illegal character
DDTV-22241	Alert Event listing page sending GET detailed Alert API request to server after the client is logged out
DDTV-22019	Data Table - Transforms should be disabled for Query on Demand data source
DDTV-21745	Web Data Connector - Data type is not correctly guessed when connecting to Arrow file on URL
DDTV-21899	Web Data connector - Not able to identify the data type with web URL having data of Arrow IPC, .XLS, and .XLSX.
DDTV-22300	Data tables using OneDrive connector are listed as Type "Uploaded" while "Live" should be the correct value
DDTV-22239	Swagger uses wrong server URL when behind a proxy
DDTV-22084	Get Excel service fails with org.owasp.fileio.ValidationException: Invalid directory when export.filesystem_copy.path is set
DDTV-22112	Workbook not loaded when linked data table is not available
DDTV-22056	PCLI - Upgrade command is failing on Windows OS, when not specifying output
DDTV-22086	Loading fonts stop working in Chrome browser after Chromium update from 119.0.6045.209 to 120.0.6099.62/63
DDTV-22062	HTML table - Error generating columns
DDTV-22018	PCLI not working with Java 11
DDTV-20959	Numeric parameter with the same name as numeric column filters out all rows because the value is treated as text
DDTV-3076	Numeric parameterization malfunctions for flat files
DDTV-22971	Data Store - Data table keep showing unsaved on schema update and save
DDTV-22920	Query on Demand Action Drop Down failing to display values when value column and title column are the same
DDTV-22931	Numeric filter doesn't reset fully on initial loading of workbook
DDTV-5807	Play/Pause button on time filter, sometimes displaying pause when paused when it should display play
DDTV-14711	Query on Demand text column fails in numeric variable in Dot Plot and Scatter visualizations

DDTV-20803	Unable to set a text axis to Series when axis column was added after
DDTV-22600	Legacy Pareto Chart – Misaligned dots
DDTV-22465	Data Profiling - Data preview header lost on refreshing after scroll
DDTV-21742	Last run result changing from failed to success on Clear and Import task
DDTV-22684	Web Data Connector does not support parameterization of custom headers
DDTV-22270	Scan data is cached with obfuscated field names
DDTV-21907	Unable to sort scheduled tasks by Activated status
DDTV-22179	X-Axis and Y-Axis Graphs - Always Include Zero disappears for all groups
DDTV-22182	X-Axis and Y-Axis Graphs - Always Include Zero not respected by Undo
DDTV-21875	X-Axis and Y-Axis Graphs - Min and Max fixed range fields are incorrectly pre-populated for multi-layered groups
DDTV-21877	X-Axis and Y-Axis Graphs - Min and Max fixed range fields are incorrectly pre-populated for stacked bars
DDTV-21324	MS Excel (legacy) connector - Warnings in Tomcat log when importing ..XLS data while using Java 11
DDTV-23033	Saved activated scheduled task are deactivated
DDTV-23030	X-Axis and Y-Axis Graphs – Newly-added reference member graphs not visible until the graph has been rerendered
DDTV-23008	Activated Scheduled tasks won't run if data tables are in the Data Library and not readable by Everyone
DDTV-22999	Multiple Selection Drop Down text filter with Select All enabled is not supported in a Panel within a Tabbed Panel
DDTV-22950	Workbook Data Table Editor - Reorder of data table doesn't work correctly when workbook has linked data tables
DDTV-22857	Netty thread local memory leak

## Known Issue

There is an issue with Spring Boot 3.1.9 on Tomcat where it registers a thread-local exception handler on the main thread at startup and does not remove it on shutdown. This issue gets reported by Tomcat as a **SEVERE** warning in the Panopticon log file when you shut it down:

```
6-Apr-2024 11:16:34.522 SEVERE [Thread-7]
org.apache.catalina.loader.WebappClassLoaderBase.checkThreadLocalMapForLeaks The web
application [panopticon] created a ThreadLocal with key of type
[org.springframework.boot.SpringApplicationExceptionHandler.LoggedExceptionHandlerThreadLocal]
(value
[org.springframework.boot.SpringApplicationExceptionHandler$LoggedExceptionHandlerThreadLocal@555
e4a6d]) and a value of type [org.springframework.boot.SpringApplicationExceptionHandler] (value
[org.springframework.boot.SpringApplicationExceptionHandler@394a6a40]) but failed to remove it
when the web application was stopped. Threads are going to be renewed over time to try and
avoid a probable memory leak.
```

The memory leaked is just a few bytes, and it's a one-time leak, so this message can be safely ignored. The issue has been reported here: [SpringExceptionHandler thread local leak reported by Tomcat · Issue #40206 · spring-projects/spring-boot](#)

## Release Notes of Previous Releases

Panopticon Release	Link
2021.1	<a href="https://help.altair.com/2021.1/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2021.1/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2021.2	<a href="https://help.altair.com/2021.2/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2021.2/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2022.0	<a href="https://help.altair.com/2022/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2022/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2022.1	<a href="https://help.altair.com/2022.1/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2022.1/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2022.1.3	<a href="https://help.altair.com/2022.1.3/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2022.1.3/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2022.1.4	<a href="https://help.altair.com/2022.1.4/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2022.1.4/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2023.0	<a href="https://help.altair.com/2023/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2023/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2023.1	<a href="https://help.altair.com/2023.1/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2023.1/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2023.2	<a href="https://help.altair.com/2023.2/panopticon/AltairPanopticon_ReleaseNotes.pdf">https://help.altair.com/2023.2/panopticon/AltairPanopticon_ReleaseNotes.pdf</a>
2023.2.1	<a href="https://help.altair.com/2023.2/panopticon/AltairPanopticon_23_2_1_ReleaseNotes.pdf">https://help.altair.com/2023.2/panopticon/AltairPanopticon_23_2_1_ReleaseNotes.pdf</a>
2023.2.2	<a href="https://help.altair.com/2023.2/panopticon/AltairPanopticon_23_2_2_ReleaseNotes.pdf">https://help.altair.com/2023.2/panopticon/AltairPanopticon_23_2_2_ReleaseNotes.pdf</a>

04.2024