

Panopticon Designer, Server & Streams

Release Notes

Version 17.1.0



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Table of Contents

New Features 1
Fixed Issues 4

New Features

This section lists the new features for version 17.1.0

Panopticon Streams

FEATURE ID	DESCRIPTION
DDTV-9960	Test Connection for Output Data Sources
DDTV-9913	New Parse operator, for parsing incoming Kafka messages
DDTV-10354	New Aggregate Methods – PREV & DELTA
DDTV-7047	Improved Layout of Directed Graph
DDTV-10245	Ability to expand the Graph or Operator Settings panel
DDTV-10071	Support to view the directed graph when running an application, including application performance statistics.
DDTV-9589/DDTV-10296	Logging improvements, to always show last few 100 log entries.
DDTV-9947	Web UI for XML & JSON Data Connectors
DDTV-10075	Web UI for InfluxDB Data Connector
DDTV-10175	Web UI for ActiveMQ & Rabbit MQ Data Connectors
DDTV-10178	Web UI for AMPS Data Connector
DDTV-10097	New REST output connector
DDTV-10078	Support for the From Beginning option in the External Input operator, to process historically recorded events
DDTV-9956	Support for automatic schema generation in input connectors
DDTV-9958	Support for automatic schema generation in output connectors
DDTV-10142	Enable Streams Application Monitoring via Confluent Enterprise Control Center

Data Connectivity

FEATURE ID	DESCRIPTION
DDTV-10137	New Kx kdb+tick Discovery connector New Kx kdb+ Discovery connector Retrieval of connection details (Host, Port, Username, Password) via REST service.



DDTV-10088	Support for 10 seconds timeout when retrieving schema in the Kx kdb+tick connector
DDTV-10076	Support for the latest two versions of the MongoDB server
DDTV-10028	Improved session management in the Spark Livy connector to keep sessions open in a session pool
DDTV-10040	Support for client query timeout in the Kx kdb+ connector, including when the query is queued
DDTV-10124	Support for specifying the username and password in the AMPS connector
DDTV-10033	Support retrieving Data Frames in the Spark Livy Connector
DDTV-10034	Ability for the Python connector to understand returned Pandas Data Frames, including when the data frame includes Numpy data types
DDTV-9918	Support for parsing fields of a nested hierarchy in a sub document of a JSON array in the MongoDB connector
DDTV-10054	Ability to update the schema in the Kafka, Kafka Publisher, and Panopticon Streams connectors for existing subscriptions
DDTV-9809	Option in the file connectors (JSON, Text, XML, and Stream Simulator) to not publish data files to the Panopticon Server
DDTV-9963	Ability to unpack nested numeric lists in the Kx kdb+ connector. Typically to support order book display
DDTV-9627	Support for more text data types in the Id field selection of the Kx kdb+tick connector

Viz Server

FEATURE ID	DESCRIPTION
DDTV-10044	Support to generate and email HTML images of available dashboard parts under the Scheduler tab
DDTV-10103	Enhanced e-mail generation (PDF and HTML/PNG) so e-mail subjects can support special time parameters
DDTV-9589/DDTV-10296	Logging improvements, to always show last few 100 log entries.
DDTV-10236	Cache Results on Server option is now hidden forcing all results to be cached, optimizing performance.
DDTV-10036	REACT Framework Web API example.
DDTV-10011	SAML IDP Initiated Logout Support



Visualization

FEATURE ID	DESCRIPTION
DDTV-9621	New Single Record visualization
DDTV-9616	Ability to set Needle width to the time slice. Typically used when displaying order books.
DDTV-9617	Ability to set if the last value flag will be displayed in the Line Graph and Combination Graph visualizations
DDTV-8849	Ability to set if the Set Snapshot Here option will be available in the Web Client
DDTV-10060	Ability to display the endpoints and specify the time format of the Time Axis
DDTV-10010	Ability to set whether to hide null Details pop-up values in the Web client
DDTV-5925	Support for web client Details rendering in the Pie/Donut visualization
DDTV-10466	Support for Divide By 10000 format on numeric variables, visual column settings, and numeric filters

Analytics

FEATURE ID	DESCRIPTION
DDTV-9626	Support for relative dates and range ranges in the Action Date Picker and Action Date Range Picker Hour [H]. Day [D], Business Day [B], Month [M], Year [Y].
DDTV-10001	A parameter is not selected by default in Action controls, to prevent incorrect parameters being applied.

Data Framework

FEATURE ID	DESCRIPTION
DDTV-10106	New POSIXMILLIS format for time parsing in Text, XML, JSON, WebSocket, and message bus connectors. (Number of milliseconds since Unix Epoch).

In addition, deprecation of the following:

FEATURE ID	DESCRIPTION
DDTV-10187	Hierarchy Structure and Hierarchy Label options from the column configuration structure in the MongoDB connector
DDTV-9398	Data connectivity:



	<p>Historic:</p> <ul style="list-style-type: none"> • MS Access • OData • Valo <p>Streaming:</p> <ul style="list-style-type: none"> • Apache QPID • Valo – Streaming • Ultra Messaging Streams
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Fixed Issues

This section lists the fixed issues for version 17.1.0

ISSUE ID	DESCRIPTION
DDTV-10380	The Tutorial in the Designer example has out of date information
DDTV-10361	Unusual behavior observed on the Details pop-up when the visualization has synch row filtering check box disabled
DDTV-10349	Business Object Universe connector sends incorrect URL (extra slash sign after the port number) requests to the BO source
DDTV-10344	Color Legend Filter not working on certain workbooks in the Web client
DDTV-10342	Unable to set parameter values in scheduled task
DDTV-10340	Designer fails to pick up refreshed security token causing spamming of authentication provider
DDTV-10330	Send "All dashboard parts" setting not saved if workbook has been sent earlier with specific parts under the Scheduler tab
DDTV-10329	Unable to send text box parts as individual parts in HTML email under the Scheduler tab
DDTV-10320	Forecolor on Custom category palette does not show up on the Web client
DDTV-10319	Data schemas randomly disappear from Kafka data sources when processed in server under load
DDTV-10313	Data for the column of a specific data type (decimal128) is not parsed in MongoDB Java connector
DDTV-10311	Designer exception encountered after editing a scheduled extract



DDTV-10310	Unable to modify the Data Table path in Panopticon Designer for pivoted data.
DDTV-10307	Resizing of the Scheduler tab horizontally causes overlapping issues
DDTV-10301	Needle graph in combination time series graph does not start from the 0 point axis in the Web client
DDTV-10290	Panopticon Server MalformedURLException: Parsing URL with JSON Connector in a parameter
DDTV-10288	Kafka Java Connector Registering errors on param Time Zone - SEVERE: java.lang.IllegalArgumentException: Unknown TimeZone
DDTV-10263	In MongoDB Java, for Row-Expanded Array, the data presented in multiple rows shrink into a single row after publishing
DDTV-10261	In the Designer/Java SDK, the Set snapshot context menu does not update snapshot visuals
DDTV-10260	In the Kafka connector, filter stops all data if assigned to a field after one that has been marked as not enabled
DDTV-10255	GetDatasourceDataService broken for real-time connectors due to introduction of transient datasourceId field
DDTV-10239	Price Band graph does not blend non-selected bands against background color
DDTV-10214	Posix time format data is not being applied in JSON workbook
DDTV-10202	Streams server should force EOF in calculation and aggregation expressions
DDTV-10183	Streams graph creates incorrect edges for some nodes
DDTV-10158	In Panopticon Designer, the MS Excel connector "Data is already pivoted" checkbox with extract caching causes data load to fail with "Time series tables" error
DDTV-10156	In MS Excel connector box " The data is already pivoted" causes ClassCastException when published
DDTV-10143	In the Kafka Connector:"Datawatch.Data.Core.MessageParsing.FixParserSettings" message is displayed on checking/unchecking "Use Schema Registry " box.
DDTV-10121	Streams/Data Sources:"Error!String index out of range: 0" message displayed on creating a Datasource (when "Other" is selected in Column Delimiter)
DDTV-10118	Unable to create a streams application as schemas keep disappearing from view
DDTV-10117	Nodes with unconnected output loose schema on save in the Application page

DDTV-10115	User Password is displayed in the Action Text Box, due to browser mistaken form auto-complete.
DDTV-10111	Kafka state folder gets created in the wrong place, when connecting to a separate Kafka instance.
DDTV-10109	Unable to determine color scheme in Panopticon Designer
DDTV-10093	Panopticon Streams Connector: Irrelevant (or incomplete) error message while not finding any topic
DDTV-10083	Hovering over sorting icons in IE11 shows blank popup in Panopticon Streams
DDTV-10081	Setting authentication.required=true in panopticon.properties, not working
DDTV-10067	REST API: The rest/media/Excel API generate corrupted output file for workbooks having Table visualization on more than one dashboard
DDTV-10057	In Panopticon Designer, the Kafka / Streams connector cannot update schema of subscribed topic without replacing data source
DDTV-10053	In Panopticon Streams, unable to parse tab-separated input in the Text Input data source
DDTV-10046	In Panopticon Designer, the 'Stop Preview' button text / state is not changed while selecting other streaming data table
DDTV-10042	The Web client title bar style is too tall
DDTV-10032	Wrong fields (Timestamp) are displaying in add/edit connectors window UI (JSON, XML, Text)
DDTV-10022	In Panopticon Designer, Kx kdb+ connections are not updated in data table mode when using query and changing parameters
DDTV-10016	JDBC connectivity to Elasticsearch not working correctly. Column names are not being retrieved.
DDTV-10013	In Panopticon Streams, special characters are allowed in naming when creating / uploading data sources
DDTV-10012	In Panopticon Streams, Irrelevant vertical scroll bar displayed when creating/editing data source window
DDTV-10009	Schema list not visible when generating from JSON in the Kafka connector
DDTV-10004	"Unable to load plugin with id JDBC" error message while creating Input type JDBC in the Streams Data Sources page
DDTV-10002	In the Panopticon Server and Web client, Input validation in the Action Text Box (and interactive parameter) doesn't always work



DDTV-9999	In Panopticon Streams, no mouse pointer displayed when editing nodes
DDTV-9991	In Panopticon Server, Email HTML selecting Hyperlinks option fails when selecting workbook in folder
DDTV-9988	In Panopticon Streams, unable to manually set time format using the text connector
DDTV-9987	In Panopticon Streams, the blue border colliding with error message
DDTV-9982	In Panopticon Streams, unable to open data source with "."
DDTV-9981	In Panopticon Streams, the uploaded data source disappears after connection failure
DDTV-9976	Web admin pages, cache list sorting by date sorts alphabetically
DDTV-9961	In Panopticon Designer, incorrect streaming status is displayed
DDTV-9942	Streams audit log entries not formatted
DDTV-9937	Web URL failing in "How to Retrieve Text and XML" example workbook, due to changes in Google Finance API.
DDTV-9935	Flush Timer Exception when editing Stream Simulator in Data Source editor
DDTV-9921	No icon change for mouse cursor when using rubber band zoom in IE11
DDTV-9831	Kafka Streams RocksDB fails on Windows (on some machines)
DDTV-9787	CEP-Application Page:Svg icons missing for each node type in Firefox browser
DDTV-9780	On expanding "Row Limit and Data Extract" section, some controls disappear from the JSON connection window
DDTV-9572	Parameters and System Tab info is logged in wrong audit log file
DDTV-9545	"The parameter 'table' cannot be null." error message observed on publishing workbook using a LivySpark connector
DDTV-9529	"Failed to connect to the InfluxDB server" error observed while connecting in Panopticon Designer
DDTV-9455	Color legend not populating in Web client, when it first retrieves no data.
DDTV-9194	'Add Last Update Time and Age' (checkbox) in AMPS connector not visible in specific resolution (i.e. 1366*768) when opened in edit mode
DDTV-8976	Column list in the Kx kdb+ connector takes too much vertical space
DDTV-8975	Column list in the JSON connector should have a max height
DDTV-8576	Table in Web client does not take grand total into height

DDTV-5986	Labels not supporting time fields
DDTV-5985	Labels not supporting numeric values



