Version 2018 Features

Updated: June 19, 2018

Upgrade Notes	
Area	Feature
All	Adobe Flash replaced with HTML5 Adobe Flash is no longer required by any InetSoft product. All product functions that formerly relied on Adobe Flash have been upgraded to use HTML5. See particular product changes below.
Dashboards	Dashboards updated to HTML5 Dashboards are now rendered using HTML5 rather than Adobe Flash. All dashboards now support annotation and end-user chart editing. The visual background grid of Visual Composer has been removed, and new features (snap-to-grid, rulers, numerical positioning) have been added to enable precise dashboard layout. Dashboard functionality is otherwise the same as the previous Flash-based version.
Data Worksheets	Data Worksheets updated to HTML5 Visual Composer is now based on HTML5 rather than Adobe Flash. The Data Worksheet interface has been substantially redesigned to improve workflow. The new interface features two panels: Use the top panel to create and mashup data blocks via joins, unions, etc. Use the bottom panel to view the data within individual data blocks, and set data block properties such as filtering, grouping, and sorting. Both the web-based User Portal and desktop- based Style Studio use Visual Composer for Data Worksheet design.
Administration	HTML5 flags removed The server property "force.html5" and the related URL code ("op=vs_html") are no longer needed, and have been removed. Dashboards are rendered using HTML5 by default.
Administration	SSO implementation changed The recommended approach to implementing single sign-on (SSO) has been changed to utilize a security filter chain. See the "Advanced Server Integration" in the documentation for more details.
Administration	AJP cannot be configured between proxy and Tomcat server In version 2018, AJP can no longer be configured between your proxy and Tomcat server. If possible, upgrade your reverse proxy to Apache web server 2.4, and load the mod_proxy_wstunnel to enable websockets. (See https: //httpd.apache.org/docs/2.4/mod/mod_proxy_wstunnel.html for more details.) If you must use Apache web server 2.2 or below for the reverse proxy, you must add a websocket-capable proxy to marshall the traffic. The websocket-capable proxy can be hardware-based (F5, etc.) or software-based (haproxy, etc.), and should directly route InetSoft requests to the InetSoft version 2018 server. Other requests should be routed to the existing Apache reverse proxy.

Administration	Integration syntax modified The syntax for integrating reports and dashboards via direct URL or IFrame has changed. See "Advanced Server Integration" in the documentation set for details on the new syntax.
Administration	Load-balancing servlet has been removed The load-balancing (proxy) servlet for clustering has been removed. Load balancing should generally be implemented by using a hardware asset such as F5. Contact InetSoft Technical Support for further guidance.
Administration	Logging levels modified Logging now uses SLF4J as the logging facade and Logback as the underlying implementation. The available logging levels for property log.detail.level in sree.properties are now 'debug', 'info', 'warn', and 'error'. Legacy settings will be automatically transformed. For example, log.detail. level=WARNING will be transformed to log.detail.level=warn. The following transformations are also applied automatically: log.level.inetsoft.report=FINEST to log.level.inetsoft. report=debug log.level.inetsoft.graph=FINER to log.level.inetsoft. graph=debug log.level.inetsoft.uql=FINE to log.level.inetsoft.uql=debug log.level.inetsoft.sree=INFO to log.level.inetsoft.sree=info log.level.inetsoft.util=WARNING to log.level.inetsoft. util=warn log.level.inetsoft.analytic=SEVERE to log.level.inetsoft. analytic=error The naming scheme for "sree.log" and "schedule.log" files has also been modified to include the IP address.
Administration	CVS Archive is deprecated The CVS archive feature for reports is deprecated and has been removed from the Enterprise Manager 'Archive' page.
Data Modeling	OLAP Overlay has been deprecated The OLAP overlay feature of data models has been deprecated, and the Hierarchy tab has been removed. Legacy users can set property cube. hierarchy.enabled=true in the sree.properties file to enable the Hierarchy tab.
InetSoft API	API code modifications required If you have created custom code that uses the Tool.invokeThread() method, you need to remove the Tool.invokeThread() wrapper and execute the wrapped code directly. If you have created custom code that uses the KeyRing.setKey() or KeyRing.setDefaultKey() methods, you should replace those calls with inetsoft.util.ConfigurationContext.setHome() . See the examples under "API Upgrade"at the end of this document.

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Installation	Installation locations have changed
	The installation locations for the application and for the data directory have
	been changed in version 2018. The default application installation location is
	the following: Windows: Cil Broaram Files Unet Soft 2018
	Windows: C:\Program Files\InetSoft2018 Mac: /Applications/InetSoft2018
	Linux: usr/local/InetSoft2018 or opt/InetSoft2018
	Linux. usi/local/inetsoft2018 of opt/inetsoft2018
	The default data directory installation location is the following:
	Windows: C:\ProgramData\InetSoft Technology\InetSoft\2018
	Mac: /Library/Application Support/InetSoft Technology/InetSoft/2018/
	Linux: /usr/share/InetSoft Technology/InetSoft/2018/
	The default location of SREE Home is the server-config directory within the data
	directory.
Scripting	Script editor has been updated
	The Script Editor for Viewsheets, Data Worksheets, and Ad Hoc reports has
	been updated. The syntax auto-complete function can now be invoked by
	pressing Ctrl-Space on the keyboard. To view help for a function, place the
	cursor in the function name and press Ctrl-O . To open the full function
	documentation, press the "docs" link to the right the help text.
Scripting	Component size is based on pixels
	Because the Viewsheet grid has been removed in version 2018, if you
	previously use the component 'size' property (in script) to set the size of a
	Viewsheet component in terms of grid rows and columns, you will need to
	change these values to set the size based on pixels.
Scripting	Checkbox component always returns array
	In previous versions, parameter. CheckBox1 returned a null value for no-
	selection and string value for single-selection. In version 2018, the return value
	is an array in all cases: The no-selection case returns an empty array, and the single-selection case returns a single-item array.
Minor Features	single-selection case returns a single-item array.
Area	Feature
Ad Hoc Reporting	Ad Hoc reporting interface redesigned
Administration	The interface of the Ad Hoc report design tool has been slightly revised. The
	highlight feature (conditional formatting) available in versions 12.1 and prior
	has been restored in this version. Functionality otherwise remains the same as the previous version.
	Portal theme can be customized
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	The User Portal color theme can be modified to suit your own needs. To
	customize the Portal, you will need to supply a color palette to InetSoft Technical Support, who will then provide you with the corresponding Portal CSS
	needed to create the theme. Contact Technical Support also for information
	about using custom font to define Portal button images.
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Administration	Database authentication provider added In addition to the built-in InetSoft authentication provider and optional LDAP authentication provider, you can now also specify a database authentication provider. See the Administration documentation for details.
Administration	CSS classes provided to style Chart brushing The color of brushed Chart elements and un-brushed Chart elements can now be set using the following properties: brush-highlight-color, brush-dim-color.
Administration	Local queries, local Worksheets, and embedded data sources listed as import dependencies When a report is imported into the server environment using the Enterprise Manager 'Import Asset' page, the report's local queries, local Worksheets, and embedded data sources are now listed among the report dependencies, and can be included or excluded from the import.
Charts	Chart trend lines can be enabled for individual measures You can now select the individual measures on a chart for which trend lines should be displayed. This setting is available in the 'Chart Properties' (report) or 'Plot Properties' dialog box, and also via a new script function, setTrendLineExcludedMeasures ().
Dashboard Design	Charts provide a 'Title' property The 'Chart Properties' dialog box now provides a 'Title' property that allows you to place a title above the Chart. The title text can be sized and formatted as desired.
Dashboard Design	Table column ordering enhanced A dialog box is now provided for changing the order of columns in a table. Columns can also be reordered using drag-and-drop operations, as in previous versions.
Integration	Viewsheet in IFrame supports hyperlinks to parent window Hyperlinks within a Viewsheet can now pass data to the parent window by using cross-window messaging.
Reports	CSV export delimiter options added Options to specify the delimiter for CSV exports have been added to the 'Export Report' dialog box and to the Scheduler 'Deliver to Emails' feature.
User Portal	Data Dictionary report and Viewsheet have been added A new 'Data Dictionary' report and Viewsheet have been added to the default repository in the User Portal. The Data Dictionary allows you to search for any data resources, such as data models, queries, etc.

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API Upgrade
Example: Modifying Tool.invokeThread() Code
                          // Replace the following code
                          Tool.invokeThread(myThreadGroup, new Runnable() {
                             @Override
                            public void run() {
                              // wrapped code
                           });
                           // with "wrapped code"
   invokeThread()
                           // Replace the following code
                           MyObject result = Tool.invokeThread(myThreadGroup, new Callable<MyObject>() {
                             @Override
                            public MyObject call() throws Exception {
                               // wrapped code
                           });
                           // With the following:
                           MyObject result = // result of "wrapped code"
Example: Modifying KeyRing.setKey() or KeyRing.setDefaultKey() Code
                          // Replace the following code:
                          ThreadGroup myThreadGroup = new ThreadGroup("myThreadGroup");
                           KeyRing.setKey(myThreadGroup, "/path/to/sree/home");
                           // With this code:
       setKey()
                           ConfigurationContext.setHome("/path/to/sree/home");
   setDefaultKey()
                           // Replace the following code:
                           KeyRing.setDefaultKey("/path/to/sree/home");
                           // With this code:
                           ConfigurationContext.setHome("/path/to/sree/home");
```