

Version 12.2 Features

Updated: November 3, 2016

Area	Feature
Upgrade Notes	
Administration	The implementation of materialized views has changed. All existing materialized views must be deleted and recreated.
Administration	Materialized view generation is now performed by the Scheduler application rather than the Style Intelligence server. This may require the allocation of additional memory.
Administration	To improve efficiency, scheduled tasks are now saved in the asset.dat.d directory rather than in the schedule.xml and schedule-activity.xml files. Upon upgrading to 12.2, existing scheduled tasks will be automatically ported to the asset.dat.d directory. Note that information about the previously executed task (e.g., last run status) will be lost.
Administration	The connection pool implementation has changed and now uses the Java standard javax.sql.DataSource interface. A bridge exists to support legacy custom connection pools, however, it is strongly recommended that you port your legacy connection pools to the new API. To implement a custom connection pool in the new API, provide an implementation of inetsoft.uql.jdbc.ConnectionPoolFactory, which requires the following methods: getConnectionPool, closeConnectionPool, closeAllConnectionPools.
Administration	The Style Intelligence and Style Scope installer now installs the server to run automatically as a Windows Service on Windows, OS/X launch daemon on Mac, or Linux SYSV service script on Linux. On Windows, you can start and stop the service by using the 'Start InetSoft Server' and 'Stop InetSoft Server' options in the Windows menu, or by using the Windows Administrative Tools.
Administration	For a "named user" license, user names can no longer be entered on the Server Status page below the license key. Instead, the security provider must define the named users. If you are using the default InetSoft security provider, you will not be permitted to create more users than the installed licenses allow. (If existing users already exceed the licensed number, remove the excess users and restart the server.) If you are using an LDAP security provider, add a user filter to return only the desired named users. For example, "((uid=user1)(uid=user2)(uid=user3))" returns only user1, user2, and user3. If you are using a custom security provider, modify the implementing class to ensure that the number of users is within the licensed limit. Note that if any security provider defines more than the allowed number of users, it is not possible to predict which of those users will be granted access to the User Portal.
Administration	In version 12.2, the location where the installer places user-modifiable data files has changed. In particular, SREE Home (the server repository) is no longer in the sree/WEB-INF/classes directory. For more details, see the Installation Guide (https://www.inetsoft.com/docs/12.2/install/devhelp/index.html).
Charts	The method by which colors are assigned to groups on a chart has been changed. This may cause a change in the colors of certain existing charts. Check your existing charts to make sure that colors are displayed as intended. To explicitly assign colors based on data value, press the 'Open Color Pane' button in the 'Edit Color' panel.
Data Sources	The existing Google Analytics object datasource has been deprecated and replaced by a new Google Analytics connector. You will therefore need to download and install a new JAR file to connect to Google Analytics in version 12.2. Please contact Technical Services for assistance.
Mobile	The InetSoft mobile app has been discontinued. Dashboards can now be viewed on a mobile device by using the device's web browser. (Flash is not required.) Mobile devices should be running iOS 7 or later, or Android 4.1 "Jelly Bean" or later.

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Major Features	
Administration	Materialized views can now be distributed using a Spark cluster for enhanced performance. This feature replaces the "Data Grid" feature of prior versions.
Administration	A number of optional data connectors are now available: Cassandra, Google Analytics, Apache Hive, Google Sheets, MongoDB, Data.Gov, Rest, OData, Salesforce, SAP, Server File.
Charts	Colors are now automatically assigned to chart groups based on the color sequence in the selected palette. Colors can also be explicitly assigned by manually mapping individual values to colors.
Dashboards	The dashboard interface on mobile devices has been improved for greater performance and ease of use.
Scheduler	The Scheduler application is now built on the open-source Quartz scheduler for improved clustering and failover support. The Scheduler interface remains the same, and you do not need to make any changes to your existing scheduled tasks.
Style Scope	<p>Three editions of Style Scope are now available:</p> <p>[1] Style Scope has been renamed as "Style Scope Classic". As in previous versions of Style Scope, Style Scope Classic includes both a server module and a desktop development module (Style Studio).</p> <p>[2] Style Scope Agile Edition (introduced in version 12.1) provides web-based data mashup and dashboard design for a limited number of users. Style Scope Agile Edition is free software.</p> <p>[3] The new 12.2 edition of Style Scope (not to be confused with "Style Scope Classic") expands the web-based Style Scope Agile Edition with enhanced security, data modeling, Spark clustering, and administration tools, making it suitable for enterprise-level deployments.</p>
User Portal	A new HTML5-based Ad Hoc Reporting tool has been added to the User Portal. This tool allows users to create, modify, and save reports within the User Portal.
Minor Features	
Administration	The default value of the sort.crosstab.aggregate property has been changed from false to true. This enables sorting by measure value in crosstabs by default.
Administration	When assigning permissions on the 'Object' or 'Report' tab in Enterprise Manager, you can now select multiple users simultaneously by using Ctrl-click or Shift-click.
Administration	The Scheduler condition 'Start Time' now supports both 12-hour or 24-hour time values. To allow the Scheduler condition 'Start Time' to be set using a 12-hour (AM/PM) clock, use the 'Presentation' > 'General' page of Enterprise Manager's 'Server' tab to enter a 'Time Format' string that ends with the 'a' specification (e.g., "HH:mm:ss a"). To allow the Scheduler condition 'Start Time' to be set using a 24-hour clock, enter a 'Time Format' that does not include the 'a' specification (e.g., "HH:mm:ss").
Administration	VPM filtering of queries and Data Worksheets can now be tested from within Style Studio. To filter queries and Data Worksheets using a VPM within Style Studio, check the 'Enable VPM for Query/Worksheet' option on the 'General' tab of the 'Style Studio Configuration' dialog box.
Administration	Assets exported from the Enterprise Manager 'Export Asset' page and Style Studio's 'Deploy' dialog box are now packaged as ZIP files rather than JAR files. ZIP files are less likely to be blocked by email clients and servers.
Charts	Transparency (alpha) can now be set for the fill colors of a chart target band.

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Dashboard Design	Selection Trees now feature an 'expandAll' script property that fully expands all levels of the Selection Tree on initial dashboard loading.
Dashboard Design	New script functions viewsheetPath, viewsheetUser, and viewsheetAlias provide access to Viewsheet name, path, and alias, respectively.
Dashboard Design	Transparency (alpha) for Viewsheet Image and Container (Group) components now applies to the entirety of the image, and not just the image background.
Data Worksheet	The 'in range' condition operator now allows the right-hand side of the condition to be set as a 'Variable' or 'Expression' in addition to static 'Value'.
Mobile	The auto-drill feature for queries and data models has been extended to mobile devices.
Scripting	The 'DayOfWeek' date grouping level now automatically uses the current user locale to set the first day of the week. For example, in a locale that uses Monday as the first day of the week (e.g., en_GB), the first day of the week for 'DayOfWeek' grouping in charts and crosstabs will be Monday. A new property has also been added to extend this feature to the 'Week' date grouping level. When 'use.locale.weekGrouping' is set to 'true' (in sree. properties), the current user locale will determine the first day of the week for 'Week' grouping in charts and crosstabs.
Style Scope Agile Edition	Asset operations such as 'delete' and 'move' can now be performed in batch by selecting multiple assets.
User Portal	Operations on repository files and folders such as 'delete' and 'move' now trigger a confirmation dialog box prior to executing the action.