

Version 2020.1 Features

Updated: December 4, 2020

Upgrade Notes	
Area	Feature
Administration	Permission added for 'Free Form SQL' Permission to use the 'Database Query' dialog box in a Data Worksheet was previously set with the 'Physical Table' security action in Enterprise Manager. A new 'Free Form SQL' action has now been added to control this permission. Permission for 'Free Form SQL' requires also permission for 'Physical Table'. If 'Physical Table' permission is granted without 'Free Form SQL' permission, the 'Database Query' dialog box will be available, but the 'SQL' panel will be disabled.
Dashboard Design	Scripted alert options enhanced The alert() function now accepts a second parameter that determines the color of the message box and whether the user is required to dismiss the message. The available options for the second parameter are 'OK', 'TRACE', 'DEBUG', 'INFO', 'WARNING', 'ERROR', 'CONFIRM', 'OVERRIDE'.
Dashboard Design	Keyboard script execution from TextInput If an 'onEnter' script exists for a TextInput component, pressing 'Enter' on the keyboard when entering text will trigger script execution.
Data Sources	Data source configuration simplified The JDBC Data Source Wizard in Style Studio has been simplified. When creating a new data source, simply choose the specific data source you want (e.g., 'Oracle') from the list, and the Wizard will automatically populate the required connection settings (e.g., 'Host Name', 'Port', 'SID', etc.) for that data source.
Scheduler	Option for plain text email removed Scheduled tasks no longer provide an option for plain text message body. The body is now always HTML. The sent email automatically contains an alternate plain text part so as to be readable by plain text email clients.

Major Features	
Area	Feature
Dashboard Design	Visual Composer Console Visual Composer now provides a Console for viewing dashboard errors.
User Portal	Data model and VPM added to User Portal The User Portal has been expanded with the capability to create data models and Virtual Private Models (VPMs).
User Portal	Dashboard profiling added The User Portal now includes the capability to profile dashboards and reports in order to troubleshoot performance issues. The Profiler displays the amount of time consumed by different processes required for dashboard or report execution. To enable profiling, select 'Open With Profiling' from the Setting menu in the User Portal toolbar.
Minor Features	
Area	Feature
Administration	Organizational structure added for scheduled tasks An administrator can now create folders for scheduled tasks. The folders can be used by both administrators and users to organize scheduled tasks.
Administration	Hyperlink tooltip can be localized Tooltips of dashboard hyperlinks can now be localized.
Administration	Update tool accepts installation path The build Update tool now accepts the installation path as a command line argument (rather than prompting for the installation path). If the path is not provided as an argument, a prompt will be issued (as was the previous behavior). See Update to a New Build for more information about how to use the Update tool.
Administration	Editor provided for Scheduler classpath A new classpath editor is provided to make it easier to modify the Scheduler classpath in Enterprise Manager.
Administration	Run materialized view in background by default An <code>mv.run.background</code> setting has been added to enable the 'Run in Background' option for new materialized views by default.
Administration	Property to control grid line display in Excel export An <code>excel.vs.export.grid.show</code> property has been added to control whether gridlines are displayed in Excel exports. This property only applies when 'Match Layout' is not enabled during export.
Administration	Restrict available data sources New properties are provided to restrict the data sources available for creation in Style Studio and the User Portal. Use <code>visible.datasource.types</code> to specify a comma-separated list of data source names that should be visible. Use <code>hidden.datasource.types</code> to specify a comma-separated list of listing names that should be hidden. If a data source is included in both the visible and hidden properties lists, it will be hidden.

API	ViewsheetsSupport interface added A ViewsheetsSupport interface has been added to facilitate programmatic export of Dashboards. See the API documentation for more information.
Charts	Default map chart color supported A default color for the areas of a map that do not have color keyed to data can now be set from the 'Plot Properties' settings using the 'Map Default Color'. The default is set by the global map.empty.color property.
Charts	Point style available for Radar charts Points on a Radar Chart can now be assigned different shapes by enabling the 'Show Points' option in 'Plot Properties'. Then use the 'Shape' binding in the Chart Editor to assign the desired point shapes.
Charts	Apply labels to all Geo regions It is now possible to label all geographical regions of a map, including regions with no associated data. If there is no 'Text' binding for a Map-type chart, simply enable the 'Show Values' option to display geographic labels for all regions.
Dashboard Design	Data model conversion to Data Worksheet Visual Composer now provides an option to convert a data model to a Data Worksheet for use as a Dashboard data source. This allows the 'Show Details' feature of Charts and Crosstabs to display more complete data. To do this conversion for a Dashboard based on a data model, select the 'Convert Source to a Data Worksheet' in the 'Dashboard Options' dialog box. This will automatically create a Data Worksheet as the Dashboard data source.
Dashboard Design	Trend and Comparison available for Crosstab The 'Trend and Comparison' menu available in the 'Edit Measure' panel for Chart measures is now available for Crosstab measures as well.
Dashboard Design	Tooltip displays Legend Alias The Chart tooltip now displays the string specified for the legend alias, if one exists, rather than the default measure name. This can be overridden by using a custom tooltip, if desired.
Dashboard Design	Persistent Write-back to Data Worksheet Embedded Table available Modifications to a Data Worksheet's Embedded Table that are made from within a Dashboard can now be saved to the Data Worksheet (and persist across sessions). These include modifications made from a Dashboard Embedded Table (by pressing the 'Apply' button in the mini toolbar) and Dashboard Form elements (by enabling the 'Write back directly' property). Modifications can also be persistently applied to the Data Worksheet Embedded Table by using the following script functions: Table.applyChanges() , saveWorksheet() , appendRow() , setCellValue() . See the documentation for more details.
Dashboard Design	Improvements to currency formatting 'Increase decimal' and 'Decrease decimal' buttons have been added to the Format panel for Currency and Number formats.
Dashboard Design	ComboBox Calendar date range can be restricted Minimum and maximum date values can now be set for the ComboBox Calendar interface. The user can select only dates within the specified range.

Dashboard Design	Custom tooltip can target specific measures Custom tooltips can now display information pertaining exclusively to the measure on which the user focuses (by hovering the pointer over the measure on the chart). To ensure that a line of text within the custom tooltip displays only when relevant to the measure under focus, enclose the text within " " (pipe) characters.
Dashboard Design	Previous/Next value added to 'Trend and Comparison' menu A 'Value of' option has been added to the 'Trend and Comparison' menu for Chart and Crosstab measures. This is similar to the 'Change from' option, but does not perform any calculation, merely returning the referenced value (previous, first, next, or last).
Dashboard Design	Batch submission of Filter and Form settings The 'Submit' button on a Dashboard will now batch-submit all Form component and Filter component settings when the 'Submit on Change' option for these components is disabled.
Dashboard Design	Image presenter added An 'Image' presenter has been added to allow images specified by URLs in a column to be displayed in the table cells.
Dashboard Design	Numerical table cell size adjustment supported A 'Set Cell Size' right-click menu option has been added for Table components. This allows the adjustment of column and row dimensions by entering precise pixel values.
Dashboard Design	Merge Expanded Cells option for Crosstab added A 'Merge Expanded Cells' option has been added to the Advanced tab of the 'Crosstab Properties' dialog box.
Dashboard Design	Script functions to set default range for Range Slider Script functions rangeMin and rangeMax are now provided to set the default range for a Range Slider.
Dashboard Design	Zoom feature added A 'Zoom' button has been added to the Visual Composer toolbar to enable the designer to set a zoom level for the Dashboard canvas.
Dashboards	Drill Down filter feature added to Charts A 'Drill Down Filter' button has been added to the Chart mini-toolbar. To use this feature, select data on the Chart, and then press the 'Drill Down Filter' button. If the Chart data has hierarchy specified, this drills down to the next level of hierarchy, and filters the data to the user selection. Similar to dashboard Filter components, drill-down filtering also drills and filters other components on the Dashboard that display the same data.
Dashboards	Options to 'Hide Column' and 'Show Columns' added to Crosstabs Right-click options to 'Hide Column' and 'Show Columns' are now available for Crosstabs.
Dashboards	Reverse Option for Selection Tree A 'Reverse' option has been added to the mini-toolbar for Selection Tree. The function is similar to the same option for Selection List.

Email	HTML Email Template supported Email templates are now supported for both scheduled emails and emails sent from the User Portal. If there is a Mustache HTML template named "email-template.html" in the SREE Home directory, this template will be applied to all email message bodies.
Email	Rich text editor provided for email body Email interfaces now provide a rich text editor for email bodies.
Exports	Data-Only export supported for Excel format An 'Only Data Elements' option is provided for Excel exports to limit the export to only the data-bearing components.
Reports	Section bands can be collapsed and expanded The bands of a Section component can now be expanded and collapsed in the User Portal by pressing the [+] and [-] button to the left of the Section band (visible only on hover).
Scheduler	Option added to share scheduled tasks The Settings tab on the Schedule page in Enterprise Manager now provides an option to 'Share Tasks Between Users in Same Group'. This allows users in the same group to access a scheduled task. A 'Delete By Owner Only' option, when enabled, prevents users other than the task creator from deleting a task.
Scheduler	Monitoring charts include Scheduler resources The Summary page in the Enterprise Manager Monitoring area now tracks Scheduler resources as well as server resources.
Scheduler	Filtering added for data cycles The Data Cycles tab on the Enterprise Manager Schedule page now offers a 'Filter' field to facilitate searching for particular cycles.
User Portal	Custom CSS styling available for Portal Additional areas of the User Portal, such as navigation bar and Repository tree, can now be styled using custom CSS.