

SureView_Analytics_6-1-3_ReleaseNotes

SureView Analytics 6.1.3 Release Notes

=====

----- IMPORTANT NOTE REGARDING DOCUMENTATION -----

The Installation guides, Quick Start Guide, and Help for this release remain the same as version 6.0.1. Any changes to the steps to install or functional changes will be detailed in these Release Notes. Therefore, please review this document in its entirety for special instructions/changes. In the case of conflict with any other document, the Release Notes take precedence.

This document includes:

- Important Note for Linux Installations
- Important Note Concerning a VBase Restore Issue
- Changes in this Release
- Installation Notes
- Issues Fixed in this Release
- Known Issues

----- IMPORTANT NOTE FOR LINUX INSTALLATIONS -----

During an installation on a Linux operating system, the value for the Maximum Memory Allocation is not properly written to the Server startup script. The default allocation is 85% of available memory, but the value written to the Linux server script (SureViewAnalyticsServer.sh) is only 2048MB, regardless of what was selected during installation. This also affects the SureView Analytics Server service.

WORKAROUND: After the installation completes, edit the SureViewAnalyticsServer.sh script and set 'MAX_MEM64' to the desired value. Save and restart the service.

This is a known issue (SVA-700) that will be resolved in a future release.

----- IMPORTANT NOTE CONCERNING A VBASE RESTORE ISSUE -----

Restoring a VBase from SureView Analytics 6.0.0 causes the interface for the Client and Admin Center to retain some of the dark style from 6.0.0.

WORKAROUND: If the darker interface elements are acceptable, the normal VBase Restore method may be used. The benefit of this is that all VBase resources are carried over.

If the complete conversion to the version 6.1.3 interface is required, the

SureView_Analytics_6-1-3_ReleaseNotes

following steps must be taken. NOTE: This will not carry over every VBase resource, but will import the Users, Models, Data Sources, Desktop Templates and User List resources.

1. When upgrading from SureView Analytics 6.0.0 to 6.1.3, the resources can be exported separately as per the steps detailed in Section 3.1 of the SureView Analytics Installation and Configuration Guide. Make note of the Domain from which these resources were exported.
2. Ensure these exported resources are backed up to a secure location for later import.
3. Configure the initial VBase.
4. When the Admin Center application is shown, restore the resources that were exported in step 1.
IMPORTANT: Make sure that these resources are imported into the same domain from which they were exported.

This is a known issue (SVA-705).

----- UPDATE TO PROCEDURE TO IMPLEMENT CUSTOM JAR FILES -----

The below instructions replace the entry in the Help under the title 'Create Custom Disambiguator Functions'.

Throughout this example, the custom jar file will be called 'MyCustomFunction.jar' and the Custom function will be called 'My Click Handler'.

1. The jar file must be signed with a code-signing certificate. This is a requirement that Oracle has implemented for security reasons.
2. Place the jar file on the SureView Analytics Server in a directory accessible to the SureView Analytics service, A typical location is the main webapp directory, for example:

```
./SureViewAnalytics/tomcat/webapps/SureViewAnalytics/MyCustomFunction.jar
```

3. Edit the /SureViewAnalytics/serverresources/ServerResources.properties file and add the path to the file names in this property, delimited by a semicolon (below is an example - these are relative paths to the SureView Analytics Server):

```
## Custom Function Java Compiler CLASSPATH (place any external jar file dependencies here)
CustomCompileJavaSource.classpath=./serverresources/drivers/jconn2d.jar;
```

```
./serverresources/drivers/ojdbc14.jar;./commonresources/lib/stax-api-1.0.jar;
./commonresources/lib/wstx-asl-2.9.3.jar;./clientresources/jdic/jdic.jar;
./tomcat/webapps/SureViewAnalytics/MyCustomFunction.jar
```

4. Edit the /SureViewAnalytics/tomcat/webapps/SureViewAnalytics/resources.jnlp file and add a reference to your custom jar files.

SureView_Analytics_6-1-3_ReleaseNotes

```
<!-- =====
Add user-defined custom-code jars here
===== -->
<!-- To add additional jar files for your customized code, uncomment and
      change the jar file names, below, to match the name of your signed jar
      files. -->
<jar href="MyCustomFunction.jar" part="userJars" main="false" />
<!-- <jar href="userJar1.jar" part="userJars" main="false" /> -->
<!-- <jar href="userJar2.jar" part="userJars" main="false" /> -->
```

5. Restart the SureView Analytics Server
6. Log on to the Client or Administrator to bring up the Model Editor
7. In the target model, create and publish a custom function that relies upon the custom jar file; the name of this function will be the name that will appear in the Click Handler drop-down.
8. Once this function is published apply the 'Assign a Client-side Click Handler' function. The custom function created in Step 7 should appear in this drop down for assignment.

----- CHANGES IN THIS RELEASE -----

- A new feature has been added to the Client - View, allowing the user to set a custom background color. This setting may be accessed from the Client in the Settings - User Interface menu under the 'View Color' option. This will show a color palette to pick the color for the background. Note that the Label colors will not automatically adjust to the new color, so the user must make sure that the View background is properly contrasted with the current label colors.

----- INSTALLATION NOTES -----

--- SUPPORTED PLATFORMS -----

The SureView Analytics 6.1.3 release can be installed on Windows and Linux platforms. The Server installation is supported on 64-bit systems only. The Client Starter applications can be installed on 32-bit or 64-bit systems.

The requirements for the Linux installation for CentOS are as follows:

- CentOS-6.7-x86_64-minimal.iso (or equivalent)
- Dependencies:
 - unzip
 - perl

Please see the "SureView Analytics Installation & Configuration Guide" for

SureView_Analytics_6-1-3_ReleaseNotes

complete details on system requirements.

--- JAVA REQUIREMENT -----

The Server installs with the appropriate Java version (version 7, update 45).

All machines that will run a Client component must have the Java Runtime Environment Plug-in Version 8, Update 71 or higher, installed.

--- LICENSING FOR SUREVIEW ANALYTICS 6.1.3 -----

All installations of the SureView Analytics 6.1.3 release require a 6.1.x license. Even if you are upgrading from 6.0.0 or 6.0.1, you will require a new license. If you are upgrading from a 5.x version, you will require a new license.

After installing the software and launching the SureView Analytics Server, please note the Host ID presented, send an e-mail request to svalicense@forcepoint.com, and indicate the Host ID and environment parameters SureView Analytics version [6.1.3], number of user licenses, etc.).

Please refer to the "SureView Analytics Installation & Configuration Guide" for complete details on installing or upgrading.

--- REGISTERING GOOGLE MAPS API -----

SureView Analytics uses the Google API to connect to the Maps server. Due to recent changes by Google, any application that accesses their resources must be registered by Server with an API Key. Google allows a certain amount of 'free' usage for their API and will contact the registered user to establish pricing to meet the needs of the user base.

After installing the SVA Server and configuring, follow the below steps to obtain the Google API Key and apply it to the SVA Server. This will register the Google Maps API for all domains.

1. Obtain a Google Map API Key from the below URL:
<https://developers.google.com/maps/documentation/javascript/get-api-key>
2. The key will be a long string of characters; this value will be added to the SVA Maps URL, so copy this to a file so it can be saved for later use.
3. Open the SVA Administration application.
4. Go to the Mapping panel.
5. In the Google Maps API URL field, change the default value:

<https://maps.googleapis.com/maps/api/js?sensor=false&libraries=places,visualization>

SureView_Analytics_6-1-3_ReleaseNotes

...to add the 'key=<Google Maps API>&' after the '/js?' portion of the URL.

Example (where the key obtained is 'AAbbCCGoogle1234DDeeFF'):

```
https://maps.googleapis.com/maps/api/js?key=AAbbCCGoogle1234DDeeFF&sensor=false&libraries=places,visualization
```

--- ENCRYPTED LOGIN -----

SureView Analytics 6.1.3 requires HTTPS for login. The installer may choose to also enable HTTP login, but this option is not selected by default.

When HTTP is disallowed, the URL on all login pages must use https://<Server-Name> (localhost is not allowed over HTTPS).

Depending on your environment settings, you may be able to ignore security warnings and access the SureView Analytics client components without further action.

However, in some environments this is not possible. And, in environments where it is possible, it is best to configure the environment properly. There are two options for configuring the HTTPS environment. You may choose to use a Certificate Authority to create the required material, or you may choose to distribute the SureView Analytics Server's self-signed certificate to users for import into their operating system certificate stores/browsers to remove the security warnings shown by browsers when accessing a non-trusted server.

Please refer to the "SureView Analytics Installation & Configuration Guide" for complete details on importing the certificate.

--- UPDATING THE SUREVIEW ANALYTICS AUDIT MODEL -----

In SureView Analytics 6.1.3, the audit model is named 'SureViewAnalytics_Log', located in the Analysis Net domain under the Administrator account. If a VBase Restore is done from a previous version (prior to 6.0.0), the old audit model will be present here (named 'VisuaLinks_Log'). To update to the new model after a VBase Restore, delete the old 'VisuaLinks_Log' model and manually load the 'SureViewAnalytics_Log' model from within the Administration - Models panel under the Server Backup/Import tab. Choose Load Models from Server and select the new model.

--- SELECT ONLY THE DEFAULT OR ADVANCED INSTALLATION TYPE -----

During the installation process, select ONLY the 'Default - SureView Analytics

SureView_Analytics_6-1-3_ReleaseNotes

Server' or 'Advanced Installation' option. Selecting one of the other options may cause the installation to fail.

--- SPLUNK REQUIREMENTS -----

To access Splunk data from SureView Analytics 6.1.3, you must have an existing Splunk server.

SureView Analytics includes the free, trial UnityJDBC driver. This trial driver distribution is limited to returning only 100 rows per query. To remove this restriction, you must purchase the registered version from UnityJDBC. The registered version removes all restrictions and provides premium support from the UnityJDBC team. For more information, please visit the UnityJDBC website (<http://www.unityjdbc.com>).

Date and time queries are not supported in this version. These queries will be supported in a future version.

Refer to the "Splunk Sources/Models" entry in the Administration WebHelp for complete details on configuring the Splunk data source. To access this entry, open the Admin Center, and then select Help > Administration Help from the top menu. The "Splunk Sources/Models" entry is under "System Administration".

--- MAC OS INSTALLATION FAILURE -----

Due to an issue with the installer, SureView Analytics 6.1.3 installations on Mac OS X systems will fail. This issue has been documented as a Known Issue (SVA-650).

----- ISSUES FIXED IN SVA 6.1.3 -----

T-00001

Point Search from ArcGIS Maps retains the current zoom level, allowing proper selection of the target point.

T-0001

Searching an Object with a Note brings back the object into the View, if this is the selected method to return Results.

T-0002

Saving Attachments from Notes works as expected.

T-0006

If the Max Returned Items/Max Processed Items is set to -1 (Unlimited) by the Administrator, the user can set their specific entries to other values. Also, if the user applies the -1 setting, the services return the expected results.

SureView_Analytics_6-1-3_ReleaseNotes

SVA-722

Help pages load properly if Chrome is the default browser on the client system.

SVA-727

Active Tasks listed in the dialog retain their messages and can be selected and de-selected to allow stoppage of specific Tasks.

SVA-729

Sharing resources from the Desktop Load allows other users to see the proper Desktop content when switching users.

SVA-731

Individual cells in a Details table can be copied to the clipboard with no extraneous content.

SVA-732

Level Isolate background colors are much more visible at various levels of magnification in the View.

SVA-733

Exporting data to CSV from a Details table view does not show the child nodes in the exported file unless the option to expand Merged nodes is selected in the table. Therefore, the exported data is based upon what is currently shown in the table.

SVA-741

Large Batch Search input files no longer cause as significant a slowdown while processing the search request.

SVA-743

Re-opening a Batch Search service from a Result brings back the input file values. Also, the Batch Search Preview Row Count limit is applied.

SVA-740

Google Maps - Route Search allows selection of route segments on the map and returns the expected results.

----- KNOWN ISSUES -----

SVA-85

The Installer intermittently fails to create the databases for the VBase components. **WORKAROUND:** Create the databases manually as per the Installation Guide, ensuring that the proper PostgreSQL extensions are added.

SVA-209

If an existing user is designated during installation, that user must belong

SureView_Analytics_6-1-3_ReleaseNotes

to a valid group. If that user does not belong to a valid group, a chown: 'user1:user1': invalid group error is thrown.

SVA-231

Installer does not allow user account creation with a 16-character or more password.

SVA-271

In Java 7 updates 55 and higher, there can be a problem when both the 32-bit and 64-bit versions of the plug-in are installed. In this case, launching a client component from a 32-bit browser will fail. You can work around this problem by:

- Launching the client component from a 64-bit browser,
- Using Java update 45 or 51, or
- Removing the 64-bit plug-in to use the 32-bit version exclusively

SVA-274

Using the IP address of the server machine instead of the host name during the installation causes the services to not be created properly. Use the host name instead of the IP address.

SVA-309

The currently supported third-party entity extractor, Rosoka, sometimes inconsistently extracts entities, depending on the version used.

SVA-335

Restoring the VBase in a clustered environment fails when executed from the Admin Center. To avoid this failure, shut down all but the primary (or working) cluster node server before restoring the VBase.

SVA-585

Unable to Search Date values using Splunk.

SVA-637

Using the Integrated Trust Model for HTTPS communication (Chapter 6 in the Installation and Configuration Guide), the Administration application is unable to import root certificates into the VBase to support Certificate Revocation List (CRL) checking. This results in HTTPS requests to the SureView Analytics Server displaying a security warning indicating the connection to this website is untrusted because the browser cannot determine if the certificate has been revoked or not. This only affects the Integrated Trust Model; the Standard Trust Model is the recommended way to provide SSL verification, in which the organization provides the certificate and the infrastructure to support it.

WORKAROUND: Select Continue when this security warning is displayed.

SVA-638

Report Templates in the Client have references to 'Data Clarity' and other

older content.

SVA-643

The installation program allows entering an IP address during the install, but this prevents HTTPS connections to the server.

SVA-650

Installer for the Mac operating system fails when running the installer. It does not detect that the user initiating the installation has sufficient privileges, even if the user escalates to 'root'.

SVA-700

During an installation on a Linux operating system, the value for the Maximum Memory Allocation is not properly written to the Server startup script. The default allocation is 85% of available memory, but the value written to the Linux server script (SureViewAnalyticsServer.sh) is only 2048MB, regardless of what was selected during installation. This also affects the SureView Analytics Server service.

WORKAROUND: After the installation completes, edit the SureViewAnalyticsServer.sh script and set 'MAX_MEM64' to the desired value. Save and restart the service.

SVA-705

Restoring a VBase from SureView Analytics 6.0.0 causes the interface for the Client and Admin Center to retain some of the dark style from 6.0.0.

WORKAROUND: If the darker interface elements are acceptable, the normal VBase Restore method may be used. The benefit of this is that all VBase resources are carried over.

If the complete conversion to the version 6.1.2 interface is required, the following steps must be taken. NOTE: This will not carry over every VBase resource, but will import the Users, Models, Data Sources, Desktop Templates and User List resources.

1. When upgrading from SureView Analytics 6.0.0 to 6.1.2, the resources can be exported separately as per the steps detailed in Section 3.1 of the SureView Analytics Installation and Configuration Guide. Make note of the Domain from which these resources were exported.
2. Ensure these exported resources are backed up to a secure location for later import.
3. Configure the initial VBase.
4. When the Admin Center application is shown, restore the resources that were exported in step 1. IMPORTANT: Make sure that these resources are imported into the same domain from which they were exported.

SVA-715

Google Maps Search field does not work. This field searches Google, not the data itself, and is not crucial to show model data.

SVA-717

SureView_Analytics_6-1-3_ReleaseNotes

When using Relationship Path Discovery with the Summary dialog, in certain circumstances the 'End Key' is not reported properly for the specific path.

SVA-718

Text Search and Faceted Search does not support a complex Model WHERE Clause.

SVA-728

Export of the View with a Legend does not show the Legend when the option 'Use Current Zoom' is unchecked.

SVA-730

Desktop Load - Sharing does not allow non-Admin users to share resources.

SVA-739

Grid Lines are not Printed for 3D Graph layout; they are shown on the preview, but not on the physical output. WORKAROUND: Save the View to an image file and print this image externally.

SVA-4957

If Chrome is the default browser on the client system, the Search feature in the Help pages does not work.

PREVIOUS RELEASE NOTES

----- CHANGES IN SVA 6.1.2 -----

The SureView Analytics 6.1.2 release contains the following updates:

- Two new settings have been added to the Data Source Editor to restrict extra JDBC calls to the database during connection management. Turning these settings off will limit calls to the database and are not suspected to interfere with search capabilities; however these were specifically tested with the Teradata database platform - if they are used with other database platforms, testing should be performed to ensure that the expected results continue to be returned from the SVA Services. Both of these settings are 'On' by default.

- Rollback on Release: This setting sends additional 'Abort' statements after the initial query is performed to ensure that the connection is not held by the driver. Turning this off will stop this behavior.

- Get Metadata Upon Connection Refresh: The default behavior of the JDBC driver is to maintain the connection by occasionally performing a call on the database metadata. This call may result in a scan of the table structure

- and could cause an impact on performance. Turning this off will no longer send this metadata query to refresh the connection.

- The Force Impersonation feature has been improved to present a 'Test' button to

SureView_Analytics_6-1-3_ReleaseNotes

validate the login credentials before allowing the Search to proceed. If there are multiple Data Sources that require credentials, each of them must be validated before issuing the Search request.

- The 'Find Similar' menu entry in the Client View and Details Report Memo has been removed. The results returned were not often useful, and the necessary queries to resolve this request were very demanding on the database, causing significant performance impact in production environments.

----- ISSUES FIXED IN SVA 6.1.2 -----

SVA-721

Session Files that have Notes with Attachments will now Load

NOTE: Because of the default Access Control on Models, a non-Admin user can Add notes, but cannot Edit existing Notes or Save attachments directly from the Note. If there is a requirement to View an Attachment, the non-Admin user can double-click it and if there is an application that can handle the file type it can be viewed. If there is a requirement to Save the Attachment as a non-Admin user, it can be accomplished from the external

application while Viewing it.

SVA-725

Manual Creation of User Accounts with certain numbers no longer prevent saving (e.g. User39, User59 would not save in previous versions)

SVA-726

Force Impersonation no longer displays two dialog boxes indicating that the user must log in.

SVA-735

Force Impersonation dialog to log on to Data Source provides feedback and allows the user to test the connection before running a Search request

SVA-742

Max Returned/Max Processed settings are being enforced and display feedback to the user

SVA-745

If Meta-Data queries are causing significant impact on the database performance, there is now a setting in the Data Source Editor to prevent meta-data queries from being issues to refresh the database connection (Get Metadata Upon Connection Refresh)

- The default Max Client Memory is now set to 1024MB to allow support of 32-bit JRE for new users

SureView_Analytics_6-1-3_ReleaseNotes

- Find Similar was removed from the Client interface; this feature did not bring back useful results and caused a significant impact upon database performance

----- CHANGES IN SVA 6.1.1 -----

The SureView Analytics 6.1.1 release contains the following updates:

- A new option has been added to the 'Results' menu for each Service. This option is called 'Send to Inbox' and if selected before running the Service, it will add the Result to the user's inbox. This is intended to prevent the results from immediately loading into the Client and will speed up the return of results. Once the result is in the queue, it can be selected and operated upon as any other result.
- A new option has been added to the Batch Search service to optimize performance. In the Compare With tab, there is a 'Show Preview Values' option that is off by default. If this option is turned on, it will load in values from the input file to show in the columns; for larger files, this is a very demanding process that will slow down work with the Batch Search.

----- ISSUES FIXED IN SVA 6.1.1 -----

SVA-158

In the Data Source Editor, changing a User-Defined View updates all related models to apply the new criteria to all Services.

SVA-251

Loading Alias values in the Search applies all selected values to the search criteria.

SVA-633

In the Data Source Editor, attempting to close the editor after changes are made prompts the user to Save, Close without Saving, or Cancel the action.

SVA-682

Desktop Load Preview tab now shows the effects of changing the Data Type.

SVA-687

Cluster Alert no longer throws an error when an Object is present in the View that has no defined Associations in the Model.

SVA-703

SVA login pages no longer show the incorrect browser architecture.

SVA-711

Google Maps feature now works on Windows 10.

SureView_Analytics_6-1-3_ReleaseNotes

SVA-719

View Filter - Facets properly support a 'Long' data type. The View filter properly shows a slider in the Facets dialog, which can be used to filter data.

SVA-720

Short-Circuit status icon is now more visible in the View.

SVA-724

Memory Preferences set by the User are now applied to the application upon the startup of the Client.

SVA-736

Batch Search of large files return the expected results.

----- CHANGES IN SVA 6.1.0 -----

The SureView Analytics 6.1.0 release contains the following updates:

- A new setting was added to the Data Source - Advanced tab to pass in the 'N' Unicode prefix to support passing values properly to NCHAR, NVARCHAR, and NTEXT columns. Setting this checkbox will prefix all string queries with this prefix (e.g SELECT * from mytable WHERE mytable.name = N'Unicode_Value').

----- ISSUES FIXED IN SVA 6.1.0 -----

SVA-51

Attributes with Lat/Long Geospatial functions no longer require the name for these attributes to be 'Latitude' or 'Longitude' to work properly; the names can be any text and they will populate into the Geo Search properly.

SVA-204

Relationship Path Discovery - Shortest Path properly returns the results if multiple end points are selected.

SVA-246 (DC-670)

Custom Disambiguator Functions that use Custom jar files work - please refer to the updated instructions in these notes on the new method to implement these jar files.

SVA-554

Admin Center - VBase Backup Calendar modifications no longer unsets the Auto-VBase setting.

SVA-590

Search Profile feature applies previous entries when profiling multiple attributes.

SVA-653

Status messages generated by the automatic Text Indexing of data loaded in

SureView_Analytics_6-1-3_ReleaseNotes

Desktop Load are only sent to the relevant user.

SVA-673

Disambiguator Function Google Maps Geo-coder function properly resolves the coordinates for the address.

SVA-691

Details Report Memo properly renders international character sets.

SVA-695

Time Line Settings Grouping Attribute has no attribute selected by default, as expected.

SVA-699

VBase Backup files that contain a large amount of users are handled more efficiently and no longer cause the server to potentially crash in low-memory environments.

SVA-702

Relationship Path Discovery involving merged objects properly resolves the expected paths.

SVA-704

SureView Analytics Server batch file properly starts the server.

SVA-706

Model WHERE Clause passes in the User Properties into the SQL generated for the services, with the exception of the Text Search/Faceted Search.

SVA-708

Entity Extraction (Regex) has the default values and editing or creating new entities works properly.

SVA-709

Editing a label in the View that has previously been edited shows the current label in the pop-up dialog.

SVA-710

API call that retrieves the count of selected objects returns the proper objects count.

SVA-712

Disambiguator Function 'Add Object Draw State Using Custom Icon' can display multiple icons in the View.

SVA-713

Modeler Object and Association Editor feature that allows definition of the Color and Style allows entry of the values to define the way the View is rendered.

SureView_Analytics_6-1-3_ReleaseNotes

SVA-714

Unicode characters are properly retrieved from NVARCHAR, NCHAR and NTEXT columns; a new setting was added to the Data Source - Advanced tab to alter the SQL generated for string queries.

SVA-716

Google Maps - Select Object drop-down allows navigation to the selected object on the map.