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| The Computer Solution Company |
| **Forensic Advantage® Sentinel Prelog v1.0** |
| Release Notes |

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| Released: 25 Mar 2016 |

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# Purpose

This document specifies the initial release of the Forensic Advantage® (FA) Sentinel Prelog Service.

# Scope

The issues noted for the FAS Sentinel Prelog Service and its test client cover those reported in support tickets and identified through internal testing.

# FAS Sentinel Prelog Service

Issue :

The Sentinel Prelog service may create multiple instances of a Sentinel officer.

Resolution:

Added the FA.PrelogOfficer\_View to the Custom schema of the Core database to properly manage the ExternalId data element that uniquely identifies a Sentinel officer.

Issue:

The Sentinel Prelog test client does not diagnose the connection to FA Services until services are first accessed.

Resolution:

The Ping request of the Sentinel Prelog test client also connects to the FA Services Lookups service to assist in troubleshooting service-to-service communication connectivity.

Issue:

The service configuration file required specification of six (6) connection strings to handle multiple contexts.

Resolution:

Connection string configuration was simplified to just the FAContext and PrelogContext.

Issue:

Service endpoint configuration used internally generated values without the ability to easily override the default protocol and binding.

Resolution:

Endpoint configuration provides the ability to override the default protocol and binding in the configuration file’s <appSettings> element.

Issue:

The FAS.PrelogExamTypeFilters\_Data file contained only a few, sample settings.

Resolution:

Added the exam type filter data from the spreadsheet provided by the FBI eLAB. This data is provided in the FAS.Prelog.ExamTypeFilters\_Data.sql file that is incorporated into the installation (MSI) package. The provided script inserts the values into the FAS.Prelog.Custom.Prelog\_ExamTypeFilters table. This script should be run only one time.

Issue:

The Installation Instructions were ambiguous regarding the FA service to which the Prelog Service was to connect.

Resolution:

Updated the Installation Instructions to more clearly specify that the FA Service Task Manager is the service to which the Prelog Service connects.

**Issue:**

RelatedCaseNumbers is missing from the WSDL.

**Resolution:**

The RelatedCaseNumbers collection was added to the ForensicCaseInfo type as a RelatedCaseNumberList collection of document number strings.

**Issue:**

The UploadDocument method defined the uniqueId property as a long integer instead of a string.

**Resolution:**

UploadDocumet uniqueId property is defined as a string. The definition is “(Optional) string that uniquely identifies this document in the source application.” It may contain a hyperlink that is returned as the ForensicCaseInfo.RFLEHyperlink when the uploaded document type is FD1121.

**Issue:**

The fields OffenseDate and OpenDate are required for entry in the FA submission service but are not available from Sentinel.

**Resolution:**

The OffenseDate and OpenDate elements were redefined as nullable types that may be omitted from the ForensicCase parameter of the Verify and Submit methods. However, if a date value is entered, it must be of the proper form and format.

**Issue:**

Submission.Officer.Display is required for officers but is not going to be provided from Sentinel.

**Resolution:**

The Sentinel Prelog Service generates the Officer.Display element from the other name parts of the Display name is empty or missing.

**Issue:**

After importing a Prelog entry containing one or more evidence items, attempting to open the newly created Submission causes the FA Client to raise an error message then opens the Submission Details with none of the evidence items listed in the Evidence tab.

**Resolution:**

When the Evidence.RequestedAnalysis value is ‘false’, the FA Client attempts to look up the Evidence.TypeCode value in the FA database and encounters a failure. The Sentinel Prelog Service always sets the Evidence.RequestedAnalysis value to ‘true’ and sets the value of the Evidence.TypeCode to the value of the DefaultEvidenceTypeCode setting in the configuration file.

**Issue:**

ForensicCase.Submission.Lead.DateAcquired is marked as not required, but when you attempt to verify with the element as a NULL, you receive an error indicating that ‘’ is not a properly formed DateTime. The Person of Interest DateOfBirth and DateOfDeath elements show the same characteristics.

**Resolution:**

The noted datetime elements are not required. But if a datetime element is specified, it must be a properly formed date. The caller must omit the element rather than attempting to enter a null value in the datetime element.

**Issue:**

What codes are to be received from Sentinel and what codes will be returned to Sentinel from the Sentinel Prelog Service? Was this information ever communicated to the Sentinel development team?

**Resolution:**

The Sentinel Prelog Service specifies the set of valid codes for input and output as the “single source of truth.” The output codes were specified in the “Data Fields received from FA” tab of the Laboratory Examination Request Form spreadsheet shared between the development teams.

**Issue:**

Case Record status is not being translated to external values.

**Resolution:**

Each status value must be represented in the configuration file to provide proper output. For example to output the completed status “C”, the mapping must be specified as “C|C”.

**Issue:**

ForensicCaseInfo.Submissions[n].RFLESerialNumber is not displaying correctly.

**Resolution:**

The RFLESerialNumber displays properly in the GetCaseStatusByRequestId and in the Prelog Submission Extended Data Document Serial #.

**Issue:**

Submission.PrimaryExaminerName and Submission.PrimaryExaminerPhoneNumber are missing from the output.

**Resolution:**

GetCaseStatusBy\* methods return the PrimaryExaminerName and PrimaryExaminerPhoneNumber elements in the Submission entity.

**Issue:**

ForensicCaseInfo.Record[n].LabReportHyperlink is missing from the output and it is not defined in the WSDL.

**Resolution:**

The LabReportHyperlink data element is included in the Record element of the WSDL. This data element will be provided by the Sentinel Serialization service when it comes online. Until that service is online, the data element is not included in the ForensicCaseInfo.Records collection.

**Issue:**

A Prelog console host is provided to ease testing without requiring installation and configuration of the Prelog service.

**Resolution:**

The pre-release installer adds a Console Host application to the installation folder (e.g. C:\Program Files\TCSC\FAS Sentinel Prelog). Run the application with local admin rights from a command prompt by typing “FAS.Prelog.Console”. No command line arguments are required.

Issue:

After simplifying the WSDL to remove unused elements, several data elements were inadvertently removed.

Resolution:

The data elements were restored.

Issue:

After importing a Prelog request into FA, if the GetCaseStatusByLabCaseNumber method is invoked before the GetCaseStatusByRequestId method, the Submission RFLE and RFLESerialNumber values returned are zero.

Resolution:

Initially requesting status by lab case number is not a supported scenario.

Issue:

The Sentinel-generated Serial Id provides the value of the FA Submission Document Serial # extended data property. But this value does not uniquely identify a Prelog request and is not usable by the Sentinel service.

Resolution:

Added the FA Submission DocumentUniqueId extended data property to contain the Sentinel-generated Serial Unique Id that uniquely identifies a Prelog request. The Prelog service stores the value in the RFLEId to relate the FA Submission to the Prelog request.

Issue:

The Record RFLESerialNumbers collection returned by the GetStatusBy\* requests contained a list of Serial Id values of submissions from which evidence items were assigned to the record. The Sentinel-assigned Serial Id value is not unique and is not usable by the Sentinel service.

Resolution:

The Record RFLESerialNumbers collection now contains a list of RFLEId (Serial Unique Id) values that identify the Prelog requests from which evidence items were assigned to the record. (The name of the collection in the WSDL remains RFLESerialNumbers.)

Issue:

After importing a Prelog request into FA as a subsequent submission, the Submission RFLEId and RFLESerialNumber returned by the GetStatusBy\* requests are zero.

Resolution:

The RFLEId and RFLESerialNumber for subsequent submissions created after installation of this version contain the proper values.

Issue:

Attempting to Verify or Submit a Prelog request to FA where the Officer External Login value was null or empty caused a SQL error in the FA service. The error message returned by the Prelog service was: “*Validation failed for one or more entities. See 'EntityValidationErrors' property for more details.*” But the EntityValidationErrors did not contain an actionable error message.

Resolution:

The service now diagnoses an Officer entry does that not contain an External Login value and does not submit the Prelog request to FA. This raises an actionable error message as shown below but does not diagnose other possible errors until the missing Officer External Login value is supplied.

C:\Users\dpr\AppData\Local\Temp\1\SNAGHTML34ffbc16.PNG

Issue:

There are agency locations that do not have the ability to bar code evidence, but will use the Prelog interface to submit FD-1121 entries. When submitting a Prelog request with evidence, if the External ID is not supplied, the interface raises an error.

Resolution:

Neither AgencyBarCode nor ExternalId are required data elements of the Evidence class. If either AgencyBarCode or ExternalId (or both) are null or empty, Prelog Verify traps the error from the Forensic Advantage service and does not throw an exception.

Issue:

Request status for an FA case record where the analyst's employee record contains a value for Phone Number, the value of <AnalystName> is populated but <AnalystPhone> is not.

Resolution:

For a case record where the examiner contains an Employee Phone Number value in the Employee record, Prelog maps the value into the <AnalystPhone> element.

Issue:

Prelog maps the ExamTypeCode to the Record.ExamType element. Change the mapping to use the value of the ExamTypeDescription. Continue to use the ExamTypeCode for filtering case records.

Resolution:

The Record.ExamType element contains the value of the ExamTypeDescription field.

Issue:

A case record with no evidence assigned is included in the ForensicCaseStatus response. But the Record.ExamType element is empty. A case record with no evidence assigned maps the ExamTypeDescription value to the ExamType element. Until evidence is assigned, there is no linkage between a Submission and a Case Record.

Resolution:

The ExamTypeCode can be extracted from the Record by using the linkage via the Case rather than via the Submission and Evidence. A case record with no evidence assigned now maps the ExamTypeDescription value to the ExamType element.