**SQL Stored Procedure for Logging Sensitive Patient**

**Purpose**

This stored procedure calls the “DG SENSITIVE RECORD ACCESS” VistA RPC. It checks access to sensitive patients and returns a status and description. Below are the requirements for this stored procedure.

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| When an FtP request is received, HDR, via the VistA RPC, shall return one of the following status codes and description to FtP:  -1 Validation Error  0  Not a sensitive patient  1  Sensitive patient; has access keys (Creates LOG entry)  2  Sensitive patient; no access keys  3  Accessing own record (Send Bulletin to ISO)  4  User does not have SSN defined |
| The HDR service shall validate the input parameters and in the event the status is ‘-1’, HDR shall return one of the following error descriptions:   * Patient ID required – received when no patientID parameter is sent * Patient ID invalid – patientID does not exist * VistA User ID required – received when no patientID parameter is sent * VistA User ID invalid – received when Vista user ID does not exist * VistA Menu description required – received when no patientID parameter is sent |
| In the event the status code returned from HDR to the FtP client is ‘1’, HDR service shall automatically create a log in the DG Security Log (file 38.1). |
| In the event the status code returned from HDR to the FtP client is ‘0’, indicating the patient record is not sensitive, HDR service shall retrieve and return the patient data. |
| In the event the status code returned to the FtP client is ‘3’, HDR service shall send a VistA Bulletin to the ISO/DG Sensitive group. |
| In the event the status code returned to the FtP client is ‘-1, 2, 3, or 4’, HDR service shall not respond with any additional action as the process is stopped. |

**SQL Call statement**

**SQL call syntax:**

call VISTA.HDSREPRPC\_LogSensitivityBLOB(reqestID,callName,patientID,userID,menuOption,customFlags)

Example:

call VISTA.HDSREPRPC\_LogSensitivityBLOB(‘reqid’,’callname’,3,545,'FTP APP',’1’)

**Input Parameters—Notes:**

1. requestID: (Optional) A string usable by calling layer as an identifier; can be any string, or null.
2. callName: (Optional) String that can contain any information, or be null.
3. patientID: (Required) DFN
4. userID: (Required) VistA user id (DUZ)
5. menuOption (Required) VistA Menu Option or description of action taken on patient record, max of 50 chars
6. customFlags: (Not Implemented)

**RETURN - Returns 1 record result set**

**Result Set Columns – Notes:**

1. requestID: Echo of requestID from Input parameter
2. SiteID: Site ID of Source System
3. callName: Echo of callName from Input parameter
4. returnType: For future use
5. Params: Returns the Timestamp as processed by source system along with the input Parameters
6. CustomFlags Echo of CustomFlags from Input parameter
7. returnError: Return Error message
8. stream Resulting Blob containing XML like data

**Errors:**  Possible errors returned in error column. Note, a stream will still be returned when the error column is populated, denoted by a status code of -1 in the stream (see example #1).

Error: Patient ID required – received when no patientID parameter is sent

Error: Patient ID invalid – patientID does not exists

Error: VistA User ID required – received when no patientID parameter is sent

Error: VistA User ID invalid – received when Vista user ID does not exist

Error: VistA Menu description required – received when no patientID parameter is sent

**Stream/BLOB:** A stream column will always be populated

**Data Tags:**

**<status><code></code><description></description></status>** - Returns status information from VistA RPC

**<message></message>** - Returns message information from VistA RPC (can repeat up to 10 times)

**Call Examples**

1. Error example, no patientID sent in call statement. Note the error column is populated and will only be populated when the status return is -1.

call VISTA.HDSREPRPC\_LogSensitivityBLOB('reqid','callname','','545','FTP APP','')

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **requestID** | **siteID** | **callName** | **returnType** | **params** | **customFlags** | **error** | **stream** |
| reqid | 578 | callname |  | 2016-10-03 22:03:23,, 545, FTP APP | 1 | Error: Patient ID required | stream |
|  | | | | | | | |
| **Stream Data:**  <status><code>-1</code><description>API failed or missing required input variables</description></status> | | | | | | | |

1. Status when a patient is not found to be sensitive, status=0

call VISTA.HDSREPRPC\_LogSensitivityBLOB('reqid','callname','9','545','FTP APP','1')

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Seq** | **requestID** | **siteID** | **callName** | **returnType** | **params** | **customFlags** | **error** | **stream** |
| 1 | reqid | 578 | callname |  | 2016-10-03 22:19:40,9, 545, FTP APP | 1 |  | stream |
|  | | | | | | | | |
| **Stream Data:**  <status><code>0</code><description>Not accessing a sensitive patient</description></status> | | | | | | | | |

1. Successfully logged Sensitivity record, status=1. Note the messages tag displays the warning message that is displayed in VistA and CPRS screens

call VISTA.HDSREPRPC\_LogSensitivityBLOB('reqid','callname','3','11249','FTP APP','1')

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Seq** | **requestID** | **siteID** | **callName** | **returnType** | **params** | **customFlags** | **error** | **stream** |
| 1 | reqid | 578 | callname |  | 2016-10-03 22:22:55,3, 11249, FTP APP | 1 |  | stream |
|  | | | | | | | | | |
| **Stream Data:**  <status><code>1</code><description>Sensitive patient, user has proper security and access has been logged</description></status>  <message>  \*\*\*WARNING\*\*\*  \*\*\*RESTRICTED RECORD\*\*\*  </message> | | | | | | | | | |

1. No access to sensitive patient, status=2. Note the messages tag displays the warning message that is displayed in VistA and CPRS screens

call VISTA.HDSREPRPC\_LogSensitivityBLOB('reqid','callname','3','545','FTP APP','1')

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Seq** | **requestID** | **siteID** | **callName** | **returnType** | **params** | **customFlags** | **error** | **stream** | | 1 | reqid | 578 | callname |  | 2016-10-03 22:29:06,3, 545, FTP APP | 1 |  | stream | | |
|  |
| **Stream Data:** <status><code>2</code><description>Sensitive patient, user does not have proper security keys to access</description></status>  < message>  \*\*\*WARNING\*\*\*  \*\*\*RESTRICTED RECORD\*\*\*  \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*  \* \* This record is protected by the Privacy Act of 1974 and the Health  \* \* Insurance Portability and Accountability Act of 1996. If you elect  \* \* to proceed, you will be required to prove you have a need to know.  \* \* Accessing this patient is tracked, and your station Security Officer  \* \* will contact you for your justification.  \* \*  \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \* \*  < /message> |

**DG Security Log (FileMan #38.1)**

Subfile 38.11 (table: DG\_SX\_DATETIME\_RECORD\_AC\_38\_11) is where the logging takes place.

SELECT \* FROM VISTA.DG\_SX\_DATETIME\_RECORD\_AC\_38\_11

WHERE DG\_SECURITY\_LOG=3

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **DG\_SECURITY\_LOG** | **RowId** | **ChildSub1** | **IENS** | **DATETIME\_RECORD\_ACCESSED** | **ACCESSED\_BY** | **ACCESSEDBYX** | **OPTIONPROTOCOL\_USED** | **INPATIENT\_WHEN\_ACCESSED** |
| 3 | 3||6838996.7777 | 6838996.7777 | 6838996.7777,3, | 2016-10-03 22:22:00 | 11249 | WARDCLERK,FIFTYSIX | FTP APP | NO |
| 3 | 3||6838996.8852 | 6838996.8852 | 6838996.8852,3, | 2016-10-03 11:47:00 | 11249 | WARDCLERK,FIFTYSIX | FTP APP | NO |
| 3 | 3||6838996.9751 | 6838996.9751 | 6838996.9751,3, | 2016-10-03 02:48:00 | 11249 | WARDCLERK,FIFTYSIX | FTP APP | NO |
|  |  |  |  |  |  |  |  |  |