

User Story Number: US0012.03

User Story Name: Audit Logging – Store Exam Result Status

Priority: High

ClearQuest Number: DAS_CR220

Author/Owner: James Picker/Business Analyst

Story: As the Business Owner, I want the Virtual Lifetime Electronic Record (VLER) Data Access Services (DAS) to log all requests/responses that it receives/sends in relation to the storage of an exam result status so that VLER DAS is in compliance with Department of Veterans Affairs (VA) system auditing requirements and can assist with troubleshooting.

Revision History

Date	Version	Description	Author
05/25/2012	v0.01	Original	James Picker
05/29/2012	v0.02	Analyst Review	Analyst Team
06/12/2012	v0.03	Updated based on business owner, and architect review	James Picker
07/02/2012	v0.04	Removed logging event: Call MVI for Patient ID	James Picker
07/03/2012	v0.05	Technical Writer Edit 1	David Malmstrom
07/05/2012	v0.06	Changed Log/Logging to Audit Logging to clarify technical differences – Throughout user story	James Picker
07/10/2012	v0.07	Peer Review	James Picker
07/19/2012	v0.08	Changed User Story Name; Listed each attribute contained in the audit log as a separate requirement in the Acceptance Criteria	James Picker
07/20/2012	v0.09	Technical Writer Review	Nancy Burak
07/25/2012	v0.10	SQA Audit	Mostafa Balamoune
09/27/2012	v0.11	DAS PM Review	Stephen Pelchar Ken Brunetto
11/20/2012	v0.12	Make changes to include Assigning Facility for Patient ID	Jeremy Brown
11/29/2012	v1.0	Formal Review - Approved	William G. Jackson
12/06/2012	v1.1	Added element "Date (Status) Modified" to the list of query elements / Renumbered User Story US004.13 to US0012.03	Eniola Alabi
12/13/2012	v2.0	Formal Review - Approved	William G. Jackson

1/4/2013	v2.1	Added “Date/Time/Time Zone” to the Date Status Modified data element	Eniola Alabi
1/3/2013	v3.0	Formal Review - Approved	William G. Jackson

Background

The VA requires “that system audit logs must record sufficient information to establish what events occurred, the sources, and outcomes of the events. Audit logging must be sufficient in detail to facilitate reconstruction of events if a compromise or malfunction is suspected or has occurred.”¹

A previously submitted exam result may require an approval. When this is the case the exam result must be retrieved, so that an exam result status can be assigned and stored for later use by interested parties. All requests and responses for the store exam result status action must be logged in the audit log. An example of how this functionality may be used is as follows:

A Disability Examination Management Office (DEMO) Quality Control coordinator needs to approve an exam result so that it can be released to the Veterans Benefits Management System (VBMS); however the exam result cannot be found. The events and outcomes associated with the specified exam result will be recorded in VLER DAS audit logs, and can be used to aid in tracking the exam result through the system.

Conversation

1. VLER DAS stores event descriptions in an audit log for a minimum of six (6) years.
2. VLER DAS stores the following attributes, when available, in an audit log:
 - a) Unique Identifier for the exam result
 - b) Creation Date (Date, Time, and Time Zone)
 - c) Date Status Modified (Date, Time, and Time Zone)
 - d) System ID (Fully Qualified Domain Name)
 - e) Transaction Type (description of action, e.g., Store Status)
 - f) Organization Name the document is received from/sent to
 - g) Event Description (e.g., refer to audit logging events below)
 - h) Patient ID (EDIPI, if not available then ICN, if neither available then SSN), Assigning Authority and Assigning Facility.
 - i) Status of Exam Result
3. VLER DAS stores the event description information in an audit log for the following events:

¹ VA Handbook 6500, 9/18/2007, Section 6.c.11.b.2.a, Pg. 69

- a) VLER DAS receives a request from a producing application to store an exam result status
- b) VLER DAS sends a request to the Health Data Repository (HDR) to store an exam result status
- c) VLER DAS receives a response from HDR regarding storage of the exam result status

Detailed Listing of Acceptance Criteria

Requirement ID	Description
US0012.03.01	VLER DAS stores event descriptions in an audit log for a minimum of six (6) years.
US0012.03.02	VLER DAS stores the 'Unique Identifier' for the exam result, when available, in an audit log.
US0012.03.03	VLER DAS stores the 'Creation Date' (Date, Time, and Time Zone), when available, in an audit log.
US0012.03.04	VLER DAS stores the 'Date Status Modified' (Date, Time, and Time Zone), when available, in an audit log.
US0012.03.05	VLER DAS stores the 'System ID' (Fully Qualified Domain Name), when available, in an audit log.
US0012.03.06	VLER DAS stores the 'Transaction Type' (description of action, e.g., Store Status), when available, in an audit log.
US0012.03.07	VLER DAS stores the 'Organization Name' the document is received from/sent to, when available, in an audit log.
US0012.03.08	VLER DAS stores the 'Event Description', when available, in an audit log.
US0012.03.09	VLER DAS stores the 'Patient ID' (EDIPI, if not available then ICN, if neither available then SSN), 'Assigning Authority' and 'Assigning Facility', when available, in an audit log.
US0012.03.10	VLER DAS stores the 'Status of Exam Result', when available, in an audit log.
US0012.03.11	VLER DAS stores the event description information in an audit log for the following event: VLER DAS receives a request from a producing application to store an exam result status.
US0012.03.12	VLER DAS stores the event description information in an audit log for the following event: VLER DAS sends a request to HDR to store an exam result status.
US0012.03.13	VLER DAS stores the event description information in an audit log for the following event: VLER DAS receives a response from HDR regarding storage of the exam result status.

Constraints

None at present.

Approval Signatures

X

Steven Lee Green
FIST Program Manager

X

William G. (Dusty) Jackson
Business Owner Representative

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