**Version Description Document**

Genomic Information System for Integrated Science 2 (Genisis2) Technical Services

Build 7



December 2017

Document Version 6.0

**Department of Veterans Affairs**

**Document Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Author** |
| 02/10/2017 | 1.0 | Build 1 updates. | Booz Allen Hamilton |
| 05/12/2017 | 2.0 | Build 2 updates. | Booz Allen Hamilton |
| 06/16/2017 | 3.0 | Build 3 updates. | Booz Allen Hamilton |
| 09/15/2017 | 4.0 | Build 4 updates. | Booz Allen Hamilton |
| 11/03/2017 | 5.0 | Build 5 updates. | Booz Allen Hamilton |
| 11/24/2017 | 6.0 | Build 7 updates. | Booz Allen Hamilton |

**Deliverable (Product) Version History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Project Name** | **VA Department** |
| 02/2017 | Build 1 | * Enable Researcher/ Data Manager to create a request for Clinical, Genomic or Survey Data. * Enable Data Managers to approve, return, or reject Data Request with reasons specified. | Genomic Information System for Integrated Science 2 (Genisis2) | VA ORD (Office of Research and Development) |
| 05/2017 | Build 2 | * Enable Researcher / Data Manager to add comments with or without advancing the workflow. * Enable Data Managers to copy tables from Source to Destination Databases. * Develop reusable Data Operations utilities. | Genisis2 | VA ORD |
| 06/2017 | Build 3 | * Support for two kinds of Data Managers: Genisis Data Manager and VINCI Data Manager:   1. The VINCI Data Manager prepares the data requested in one or more SQL server tables and informs the Genisis Data Manager.   2. The Genisis Data Manager copies the tables over to a Genisis Destination Database. Email notifications are sent. | Genisis2 | VA ORD |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Project Name** | **VA Department** |
| 09/2017 | Build 4 | * General Workflow Additions:   1. Copy Request Function – Ability to create a Draft Request from another a request that already exists.   2. Cancel a Request.   3. Ability to add Comments that are visible to everyone (General Comments) and only to management (Operational Comments). * System Administrator Functions:   1. Ability to add users to the system by synchronizing with the Genisis2 OpenLDAP directory and searching for a specific user.   2. System Administrator Dashboard functions: Summary of Number of Users by Role, Request Metrics – Raw Numbers of Requests in Draft, Approved, Fulfilled, etc., and drilling down to list of requests of any one category, down to the details of any one request. | Genisis2 | VA ORD |
| 11/2017 | Build 5 | * Microservice APIs – Support the TS Programmer to define 4 microservice APIs to support the Search, Concept, Bookmark and Mapping services. * Cohort Definition Functions – Support Researcher to (1) search for a concept and view the search results, (2) Concept Card, (3) bookmarked and un- bookmark concepts, and (4) label and un-label bookmarked concepts. * Terminology Creating - Support Terminologist with Create, Modify and Delete functionalities through CLI. | Genomic Information System for Integrated Science 2 (Genisis2) Terminology Service | VA ORD (Office of Research and Development) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 11/2017 | Build 7 | * Cohort Definition Functions: Support Researcher with useful Search Results and a simplified Concept Card for a Data Element to define cohort. * Multiple Roles Connection Functions: Support Researcher with Single Sign- On (SSO), iFrame, Data Elements Integration, and Baseline Survey Data Element List Display. | Genomic Information System for Integrated Science 2 (Genisis2) Terminology Service | VA ORD (Office of Research and Development) |

**Artifact Rationale**

VA requires the Version Description Document (VDD) to identify, maintain, enhance, and recreate the product (Information Technology [IT] asset) throughout its lifecycle. The VDD reinforces strong risk management practices and helps protect VA from loss of the product (IT asset), which is especially important with a regular rotation of personnel and contractors.

The VDD is a mandated document that will be verified prior to each release. It is the authoritative inventory and roadmap of all Configuration Items that comprise the deployable product/system. Configuration Items include source code files, builds/packages, tools, baselines, locations, and associated product files. The VDD is itself a Configuration Item maintained under change control in the TRM-approved configuration management system, which is part of the VA Federated Configuration Management Data Base (CMDB).

Project Managers and Configuration Managers use the VDD template as a tool for managing Configuration Items and baselines associated with the deployable product. It is the responsibility of the Project Manager to ensure the processes are followed within the product build process i.e., ProPath, Product Build: BLD-1 Develop Product Component). The expectation is that the VDD is controlled just as a source file with having one VDD per Product that has many versions being managed within the Software Configuration Management (SCM) repository following baseline processes. The IT Configuration Managers (or IT Architect/Development Lead) ensure that creation and modification of the Products VDD is integrated with any parallel activities being performed on the said product. The Configuration Manager creates/updates the VDD each time the deliverable (file set) leaves the development environment, such as for testing or deployment. The VDD is the representation and result of the Software Configuration Management Procedures being followed. The Product Procedures along with work instruction are to be created and maintained by the IT Configuration Managers (or IT Architect/Development Lead). For product procedure information, refer to the Software Configuration Management Procedures Template (i.e., ProPath, Project Planning: PRP 3.7). The Project Manager is responsible for ensuring the Configuration Manager maintains versions of the VDD and deliverables (files) in the TRM- approved configuration management system.

**Table of Contents**

1. [Build Description and Collection Information 1](#_bookmark0)
2. [General Configuration Management Information 1](#_bookmark1)
3. [Configuration Management Tools 2](#_bookmark2)
4. [Configuration Management of Documents 2](#_bookmark3)

[3.1. Rational Change and Configuration Management (CCM) Documents](#_bookmark4) [(Formerly RTC) 2](#_bookmark4)

1. [Configuration Management Development Files 3](#_bookmark5)
   1. [Rational Change and Configuration Management (CCM) Repository](#_bookmark6) [(Formerly RTC) 3](#_bookmark6)
      1. [Baseline and Component 3](#_bookmark7)
      2. [Build Information 4](#_bookmark8)
      3. [CCM/RTC Build Definition 4](#_bookmark9)
      4. [Build Label or Number 4](#_bookmark10)
2. [Build and Packaging 4](#_bookmark11)
   1. [Build Logs 4](#_bookmark12)
   2. [Build System/Process Information 4](#_bookmark13)
3. [Change Tracking 5](#_bookmark14)
4. [Rational Change and Configuration Management (CCM)](#_bookmark15) [Repository 5](#_bookmark15)
5. [Release (Deployment) Information 5](#_bookmark16)

# Build Description and Collection Information

The Version Description Document includes information regarding Genisis2 Build 5, which is a non-production release. ***Genisis2 Build 7 has been completed and is a Researcher ONLY release. The only role recognized in Release 7 is the Researcher role***. The combination of Builds 5 and 7 will be the third production release, and will be named Genisis 2 Release 4 in the VA production environment. The URLs for accessing the Build 7 collections are as follows:

Build 7 Artifact (Rational ID: 950561)

<https://URL/rm/web#action=com.ibm.rdm.web.pages.showArtifact&artifactUR>  [I=https%3A%2F%2FUEL%2Frm%2Fresources%2F\_eW2EEsiHEeeiof4j5X\_](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_eW2EEsiHEeeiof4j5X_HmA%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)  [HmA&vvc.configuration=https%3A%2F%2FURL%2Frm%2Fcm%2Fstream%](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_eW2EEsiHEeeiof4j5X_HmA%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)  [2F\_j39V1uFIEeWsoNn5L\_58mg](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_eW2EEsiHEeeiof4j5X_HmA%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)

Build 7 Epics Collection (Rational ID: 954718)

<https://URL/rm/web#action=com.ibm.rdm.web.pages.showArtifact&artifactUR>  [I=https%3A%2F%2FURL%2Frm%2Fresources%2F\_pxGYAdYIEeeNjtJWlrv](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_pxGYAdYIEeeNjtJWlrv8Zg%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)  [8Zg&vvc.configuration=https%3A%2F%2FURL%2Frm%2Fcm%2Fstream%2](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_pxGYAdYIEeeNjtJWlrv8Zg%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)  [F\_j39V1uFIEeWsoNn5L\_58mg](https://clm.rational.oit.va.gov/rm/web#action%3Dcom.ibm.rdm.web.pages.showArtifact%26artifactURI%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fresources%2F_pxGYAdYIEeeNjtJWlrv8Zg%26vvc.configuration%3Dhttps%3A%2F%2Fclm.rational.oit.va.gov%2Frm%2Fcm%2Fstream%2F_j39V1uFIEeWsoNn5L_58mg)

# General Configuration Management Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverable (Product) Name** | **Configuration Manager** | **VDD Package Name** | **Project/ Delivery Team** |
| Genomic Information System for Integrated Science 2 (Genisis2) | Brian Finkbohner | Genisis2\_VIP\_Release 7\_Version\_Description\_Document.docx | Sasank Melanathuru,  Craig Harris, Michael Dere, Brenda Dellinger |

# Configuration Management Tools

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **CM Tools** | **CM Tool Location** | **Tool Onsite/ Offsite** | **CM Tool Access Point of Contact** | **Access Information (Forms or other Access Requirements)** |
| Rational Team Concert (RTC) | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team [URL](mailto:PII) | User account must be created by Rational Tool Team |
| Rational Quality Manager (RQM) | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team  [URL](mailto:PII) | User account must be created by Rational Tool Team |
| Rational Functional Tester (RFT) | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team  [URL](mailto:PII) | User account must be created by Rational Tool Team |
| Rational DOORS  Next Generation | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team  [URL](mailto:PII) | User account must be created by Rational Tool Team |

# Configuration Management of Documents

## 3.1. Rational Change and Configuration Management (CCM) Documents (Formerly RTC)

The CCM/RTC location for the documents and CCM/RTC explanation for the information.

|  |  |
| --- | --- |
| **CCM/RTC Information** | **Explanation** |
| **URL** | <https://URL/ccm> |
| **Project Area** | Genisis2 (CM) |
| **Team Area** | NA |
| **Stream** | Genisis Documentation |
| **Baseline ID** | Genisis2 Release 7 Documentation |
| **Component** | Documentation |
| **Directory Path** | Release Documentation\Release 7 |

|  |  |
| --- | --- |
| **CCM/RTC Information** | **Explanation** |
| **Documents Included in the Baseline** | * Integrated Master Schedule (IMS) * Operational Acceptance Plan (OAP) * Requirements Specification Document (RSD) * Systems Design document (SDD) * Requirements Traceability Matrix (RTM) * Production Operations Manual (POM) * Backlog/Sprint/Build Plans in Rational * Master Test Plan * Master Test Plan Checklist * Test Evaluation Summary * Deployment Plan, Schedule and Checklist * SSP * Installation Guide * Developers Guide * Maintenance &Troubleshooting Guide * Deployment Guide * Technical Manual * ESE National Release Checklist |

# Configuration Management Development Files

## Rational Change and Configuration Management (CCM) Repository (Formerly RTC)

The CCM/RTC location for the development files (source) and CCM/RTC explanation for the information.

|  |  |
| --- | --- |
| **CCM/RTC**  **Information** | **Explanation** |
| **CCM URL** | <https://URL/ccm> |
| **CCM Project Area** | Genisis (CM) |
| **CCM Team Area** | NA |
| **Stream** | Genisis Development |

### Baseline and Component

Where a set of artifacts are identified as baselined, grouped, and managed.

|  |  |
| --- | --- |
| **Name** | **Description** |
| Development | Component where source code resides in CCM |
| Genisis2 Release 7 Source Code | Baseline of source code stream, and its artifacts, associated with Release 5 |

### Build Information

General build information that results from the build process.

|  |  |
| --- | --- |
| **Name** | **Description** |
| **Build Output** | NA |
| **Build Output Directory** | NA |
| **Target Deployment Location** | NA |

### CCM/RTC Build Definition

The name of the build definition, which controls what is built and how it is built.

|  |  |
| --- | --- |
| **Name** | **Description** |
| NA | NA |

### Build Label or Number

The identifier for the derived object or package that was produced for deployment and/or install.

|  |  |
| --- | --- |
| **Name** | **Description** |
| NA | NA |

# Build and Packaging

## Build Logs

NA

## Build System/Process Information

NA

# Change Tracking

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Change Tracking Tool** | **Change Tracking Tool Location** | **Tool Onsite/ Offsite** | **Change Tracking Tool Access/POC** | **Access Information (Forms or other Access Requirements)** |
| Rational Quality Manager (RQM) | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team [URL](mailto:PII) | User account must be created by Rational Tool Team |
| Rational DOORS Next Generation | VA network via CAG and Rescue VPN | Offsite via CAG and Rescue VPN | Rational Tool Team [URL](mailto:PII) | User account must be created by Rational Tool Team |

# Rational Change and Configuration Management (CCM) Repository

|  |  |
| --- | --- |
| **Location** | **Terms** |
| **CCM URL** | [https://URL/rm](https://URL/qm) |
| **CCM Project Area** | Genisis2 (RM) |
| **CCM Team Area** | NA |

|  |  |
| --- | --- |
| **Work Item ID** | **Summary** |
| NA | See “*Genisis2 Technical Services Artifacts, Release 7 Collection*” |

# Release (Deployment) Information

|  |  |  |
| --- | --- | --- |
| **Release Identification** | **Release Package POC Name** | **Release Package POC Email** |
| 7 | PII  PII | PII  [PII](mailto:Brenda.Dellinger@va.gov) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Release Package (Component) Identified** | **Release Package Description** | **Release Package Delivery Method** | **Release Package Location Identified** |
| Genisis2-Release 7.zip | Zip file containing all release documentation | FTP | The release package is located in the CCM/RTC repository in the following location:  Project Area = Genisis (CM) Stream = Genisis Documentation Component = Documentation  Path = Release Documentation\ Release 7 |