NBIA – Release 5.0

Summary Test Report

# Test Overview

## Executive Summary

This test report summarizes the system and regression testing efforts for NBIA version 5.0 release and following tasks were completed.

* Verified 34 JIRA items including new feature, improvement, task, technical task, subtask and bugs to support NBIA 5.0 release.
* A total of 84 test cases were written and/or modified, executed on different builds and different installations on QA tier and once on STAGE tier. Testing achieved 100% test cases passed.
* Documented the test results and verifications in Google document.
* Performed different combinations of installation testing using mySQL, Oracle, GUI based, command line based, Linux based.
* During installation, system and regression testing, all identified defects documented in JIRA.

|  |  |  |
| --- | --- | --- |
| **Issue Type** | **Count** | **JIRA Ids** |
| Bug | 7 | [287](https://tracker.nci.nih.gov/browse/NBIA-287), [288](https://tracker.nci.nih.gov/browse/NBIA-288), [289](https://tracker.nci.nih.gov/browse/NBIA-289), [308](https://tracker.nci.nih.gov/browse/NBIA-308), [309](https://tracker.nci.nih.gov/browse/NBIA-309), [310](https://tracker.nci.nih.gov/browse/NBIA-310), [315](https://tracker.nci.nih.gov/browse/NBIA-315) |

## Scope

This document is the Test Evaluation Summary for NBIA Release 5.0. The deployment tested in 8 builds on QA tier and final build on STAGE and PRODUCTION. The project release scheduled from November 17, 2010 to December 15, 2010. It compares the planned testing strategy and approach to the actual strategy and execution that QA Team used to validate the quality of this product prior to release.

The focus of caMOD Release 2.6.2 as follows:

| **JIRA ID** | **Description** | **Issue Type** |
| --- | --- | --- |
| [239](https://tracker.nci.nih.gov/browse/NBIA-239) | Migrate DEV tier MySQL data over to Oracle instance | Technical Task |
| [240](https://tracker.nci.nih.gov/browse/NBIA-240) | Transform DDL/schema for DEV tier in MySQL over to Oracle | Technical Task |
| [248](https://tracker.nci.nih.gov/browse/NBIA-248) | Setup Oracle-specific Liquibase configuration | Technical Task |
| [266](https://tracker.nci.nih.gov/browse/NBIA-266) | Migrate QA MySQL -> Oracle | Technical Task |
| [241](https://tracker.nci.nih.gov/browse/NBIA-241) | Upgrade CTP to X42 to support ultrasound feature | New Feature |
| [253](https://tracker.nci.nih.gov/browse/NBIA-253) | Support Oracle as well as MySQL | New Feature |
| [245](https://tracker.nci.nih.gov/browse/NBIA-245) | Decouple service and DAO objects within deletion feature | Task |
| [278](https://tracker.nci.nih.gov/browse/NBIA-278) | Update NBIA System Installation Guide to reflect changes for NBIA 5.0 | Task |
| [279](https://tracker.nci.nih.gov/browse/NBIA-279) | Add warning text to GUI installer about potential to wipe out CTP storage system | Task |
| [280](https://tracker.nci.nih.gov/browse/NBIA-280) | Update NBIA build scripts to support AntHillPro3 deployments | Task |
| [281](https://tracker.nci.nih.gov/browse/NBIA-281) | NBIA-CTP Database Adapter performance enhancements | Task |
| [247](https://tracker.nci.nih.gov/browse/NBIA-247) | Transform custom SQL in submission history to support Oracle | Sub-Task |
| [249](https://tracker.nci.nih.gov/browse/NBIA-249) | Update GUI Installer to allow selecting Oracle or MySQL | Sub-Task |
| [250](https://tracker.nci.nih.gov/browse/NBIA-250) | Support Oracle deployment on DEV tier | Sub-Task |
| [251](https://tracker.nci.nih.gov/browse/NBIA-251) | Transform custom SQL in Patient search to support Oracle | Sub-Task |
| [254](https://tracker.nci.nih.gov/browse/NBIA-254) | When saving a query, there is no message if the save is successful, or if the name is a duplicate | Bug |
| [255](https://tracker.nci.nih.gov/browse/NBIA-255) | Series deletion fails when there are more than 1000 series in the queue to be deleted | Bug |
| [269](https://tracker.nci.nih.gov/browse/NBIA-269) | Remote search fails when Oracle is database backend | Bug |
| [270](https://tracker.nci.nih.gov/browse/NBIA-270) | For External Data Basket, patient+series or study+series only returns series from the first part | Bug |
| [271](https://tracker.nci.nih.gov/browse/NBIA-271) | Any submission history report with a one day date range returns no results on Oracle only | Bug |
| [272](https://tracker.nci.nih.gov/browse/NBIA-272) | Calling Timepoints operation in grid service causes an exception with Oracle backend | Bug |
| [273](https://tracker.nci.nih.gov/browse/NBIA-273) | CTP annotation submission only allow one annotation per series | Bug |
| [274](https://tracker.nci.nih.gov/browse/NBIA-274) | Command-line upgrader fails unless all properties are specified like for an install | Bug |
| [283](https://tracker.nci.nih.gov/browse/NBIA-283) | GUI installer fails on upgrade from NBIA 4.4 | Bug |
| [284](https://tracker.nci.nih.gov/browse/NBIA-284) | Zipping of download basket returns empty basket | Bug |
| [285](https://tracker.nci.nih.gov/browse/NBIA-285) | GUI installer fails when doing install with MySQL | Bug |
| [287](https://tracker.nci.nih.gov/browse/NBIA-287) | NCIA grid service port number updating from 21080 to 8080 | Bug |
| [288](https://tracker.nci.nih.gov/browse/NBIA-288) | FTP download that includes remote series fails | Bug |
| [289](https://tracker.nci.nih.gov/browse/NBIA-289) | Upgrading NBIA 4.4 to 5.0 GUI Installation failed | Bug |
| [308](https://tracker.nci.nih.gov/browse/NBIA-308) | NBIA 5.0 local instance with Oracle backend not working when integrated with UPT | Bug |
| [309](https://tracker.nci.nih.gov/browse/NBIA-309) | Download Manager fails to download remote series | Bug |

# Summary of Results

## Testing Results

System and Regression testing was conducted to ensure NBIA Release 5.0 complied with the documented JIRA implementation items. The results of the testing of each JIRA item and regression test cases documented in Google doc and available as follows.

NBIA\_v\_5\_0:

<https://spreadsheets.google.com/ccc?key=0AoKiGnO8khQ3dDhERENrUThLYk5MSXZTb3U1VVFIbWc&hl=en&authkey=COPiksoP>

The test cases were executed to ensure NBIA Release 5.0 software was functional and no existing issues except the JIRA items which are having Open status. These items were planned to fix in future releases.

## Risk Analysis

The QA team verified the functionality of new implementations in NBIA and assigned defects to this release. Viewing processing reports and matching actual results with the expected results specified in the test cases.

At the completion of the testing phases, QA team reviewed, and as required, created and updated the test cases.