



Nexus Release Notes

Version 3.06.01

Pukka-j Limited

Version 3.06.01

Release Date: January 17, 2025

1 Introduction

This is a sub version patch for some bug fixes and small alterations.

2 New Features

None

3 Improvements

3.1 Name Comparison

The algorithm for checking if two names “are equal” has been updated. It was possible initials could be accepted by default, but this has been changed to require at least the surname and one other name to match. When used with the Patient context, this test, and the DOB and Sex all need to be matched to accept demographics.

The validation process was reviewed because a name entered in the format Surname Middle-name matched a database entry in the format Surname Forename Middlename. The surname was correct, and the entered middlename matched a valid middlename in the database. Additionally, the date of birth and sex also matched, which led the system to accept the name as valid. By default, this is the expected behaviour. A future update will allow this matching to be customised.

3.2 RPA Job Reference

Added a reference prefix to the RPA job for the source of the source when it comes from the Workflow Manager to be able to see what the source of each RPA job is.

4 Bug Fixes

4.1 Workflow Controller - Primary Wait Time

Issue: There was an issue with the workflow controller when it was configured to wait for a set amount of time for primary images to be available when a workflow job was created. If the wait time was set to a value, it would never expire the job if no images appeared because the

creation date and time was not returned in the lookup.

Resolution: The workflow job creation date and time has been added to the query response, in order to correctly calculate the wait time.

4.2 DICOM File Analyser

Issue: There was an issue with the local file analyser app in that there was a broken reference in the code.

Resolution: The app has been fixed with and the code refactored and UI simplified a little.

4.3 JPEG File Writer Node

Issue: There was an issue where certain encodings of image data could appear “black” in the output JPEG file due to the incorrect application of the window details in the DICOM header.

Resolution: The window width and centre are now correctly applied to the JPEG conversion for the encoding types in question (16bit mono2).

5 Known Issues

There are no known issues.

6 Installation Instructions

Before making any changes, the **docs** and **lib** folders in the install directory should be backed up along with the **nexus.jar** in the install root.

The libraries required for this release are:

nexus.jar	3.06.01
pjk.jar	1.20.01
pacsoology.jar	1.25.01
mint.jar	1.28.01

Plugin library versions are:

anon.jar	1.12.06
broker.jar	1.12.04
redact.jar	1.11.04

For Origin users:

websocket.jar	1.12.02
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An update MySQL library is potentially required depending upon the MySQL service.

The UI is updated via the files:

cloe.js.gz
pj.css