Pukka-j

Nexus Release Notes

Version 3.08.01

Pukka-j Limited

11 November 2025

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Release date: 11 November 2025

1 Introduction

This release includes some small fixes and updates.

2 New Features

2.1 DICOM Association Version Name Item

It is now possible to set the prefix for the value used in the UserInfoItem in a DICOM association. Setting the property `app.id` in the `deployment.properties` file in the application install folder (and restarting the service) will change the prefix on the value used in the association details. This allows Nexus to mimic what Dicom Explorer presented to systems to allow backwards compatibility with DICOM C-GET with Dicom Explorer. The new Nexus installer includes a configuration option in the install wizard to set this value. The default is "NEX" and can be left as is unless a C-GET proxy back to Dicom Explorer is required, in which case the prefix should be changed to "DEX".

3 Improvements

3.1 Secondary Service Queue Management

A modification has been made to the way that jobs are taken from the secondary service job queue to make it more efficient and prevent any potential deadlock situations.

4 Bug Fixes

4.1 DB Connection Pool

Issue: In a small number of instances, database connections obtained from the pool were not returned, which could lead to a limit on connections being reached.
Resolution: Following a review of the code, all connections from the pool are now returned.

5   Known Issues

There is a small issue that has been reported whereby, if the number of tabs on a split node config is large and the available screen size is small, the configuration for the split node is not usable. A fix for this is in progress.

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.

Because of the change to keep version numbers on the jar files, a manual update process should replace the lib folder in the install directory rather than just dropping the files from update into the lib folder because the new versions will no longer overwrite the old versions as they will have a different filename.

For Windows users, there is a new updater executable for each release, which can be run on the server being updated and will perform the update process. There is an option in the updater to also include updating the Java runtime as part of the update process. The latest Java 17 runtime has started shipping in the updater package. See the Service Updater Guide for more details.

Required libraries

Artefact	Version
nexus.jar	3.08.01
pjk.jar	1.22.01
pacsology.jar	1.27.01
mint.jar	1.30.01

Optional libraries

Artefact	Version
service-updater.jar	1.04.00
kakadu.jar	1.05.01

UI assets

- `cloe.js.gz`

- `pjwc.js.gz`

- `pj.css`

- `pjwc.css`