

Everything You Need to Know About HCL Notes 14

December 12th, 2023



Host & Speaker



Femke Goedhart 

Product Marketing Manager
& Business Consultant

femke.goedhart@panagenda.com



Christoph Adler 

Head of Solution Consulting

christoph.adler@panagenda.com



All attendee lines are muted

This is to prevent interruptions during the presentation.



Please submit questions via the Chat or Q&A panel

Your questions will be addressed directly during the webinar or in the Q&A section after the presentation.



The webinar is being recorded

After the webinar, we will send you a mail to give access to the recording and presentation slides.



Share your feedback with us

Use the link provided at the end to let us know what we can do better.

Agenda

- What's new in HCL Notes 14
- Upgrades to Notes 14
- Challenges with Notes 64-bit
- Notes 14 – Customer Service 😊
- **Recap:** What's better for **YOU** - Notes 12.0.2 or 14.0?
- Q & A





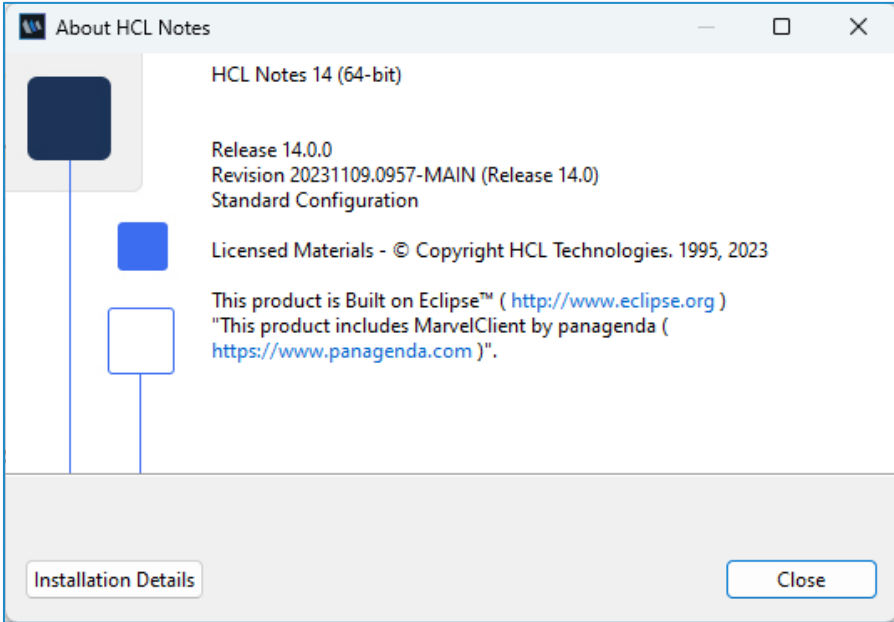
What's new in HCL Notes 14?

What's new in HCL Notes 14



Version: 14
   

Licensed Materials - ©Copyright HCL Technologies. 1985, 2023. panagenda and MarvelClient trademarks and logos are trademarks or registered trademarks of panagenda. Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates. Built on Eclipse is a trademark of Eclipse Foundation, Inc. This Program is licensed under the terms of the license agreement accompanying the Program. This license agreement may be either located in a Program directory folder or library identified as "License", if applicable, or provided as a printed license agreement. Please read this agreement carefully before using the Program. By using the Program, licensee agrees to these terms. If you are using the Program on behalf of licensee, you represent and warrant either that licensee has accepted these terms or that you have full authority to bind licensee to these terms.



About HCL Notes

HCL Notes 14 (64-bit)

Release 14.0.0
Revision 20231109.0957-MAIN (Release 14.0)
Standard Configuration

Licensed Materials - © Copyright HCL Technologies. 1995, 2023

This product is Built on Eclipse™ (<http://www.eclipse.org>)
"This product includes MarvelClient by panagenda (<https://www.panagenda.com>)".

Installation Details Close

What's new in HCL Notes 14

Improvements

- Mail
- Calendar
- Workspace
- Notes Federated Login (NFL)
- Performance

Enhancements

- General
- Domino Restyle



What's new in HCL Notes 14 – Mail Improvements

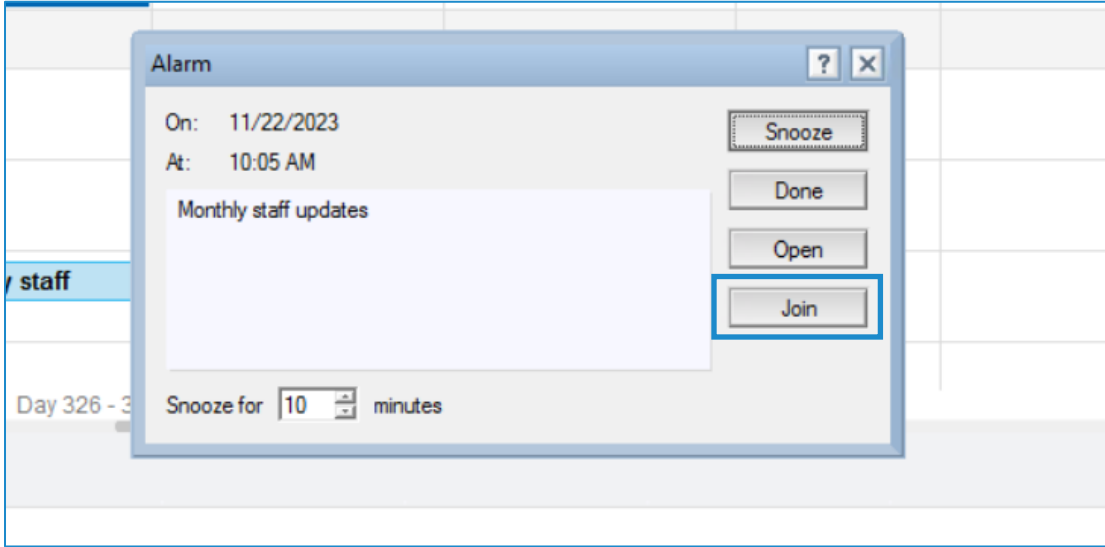
- **Support for .msg files from Outlook**
 - Notes users can now view .msg files attached to emails sent from Outlook. Double-click the .msg file attachment and select View.
 - Nested .msg files (within attachments) cannot be viewed.
- **Delayed delivery**
 - Improved accessibility for scheduled messages (enabled by default)
- **Mail merge (personalized mail for groups)**
 - Notes now provides the ability to send personalized emails to large groups.

What's new in HCL Notes 14 – Calendar Improvements

- **Proxy support for online meetings**
 - 3 Options to set this up using LS, Environment Variables and Notes Location Document
- **Improved online meeting setup**
 - Setup for online meetings with WebEx, GoToMeeting and Teams is now simplified.
 - There now is no need to manually copy/paste the token into the setup dialog; Notes automatically retrieves the token.
 - This feature is enabled via *DOMI_OAUTH_VERSION=2* in the Notes Client and is applicable only for Windows.
- **"Join" button in Calendar alarm**
 - Calendar alarms now display a "Join" button, which can be used to join meetings directly from the alarm dialog.
 - The "Join" option will not display if the meeting does not include a specified online meeting link

What's new in HCL Notes 14 – Calendar Improvements

- "Join" button in Calendar alarm

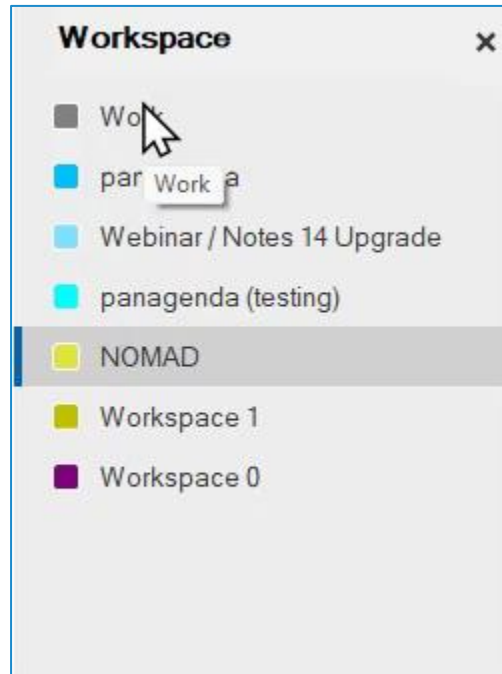


What's new in HCL Notes 14 – Workspace Improvements

- **Support for long Database names**
 - In Preferences, “Notes 20 - Show long database names on Workspace icons displays entire database names regardless of the length”
- **New Preference to remove borders**
 - In Preferences, “Do not show borders on Workspace icons” removes the borders from Workspace tile.
- **Drag and drop**
 - The Workspace navigator now allows you to “drag and drop” to reorganize entries in the list of workspace pages.

What's new in HCL Notes 14 – Workspace Improvements

- Drag and drop



What's new in HCL Notes 14 – NFL Improvements

- **Support for multiple chained IDP providers**
 - Previously, Notes did not support login via NFL for accounts with two or more chained IDP providers. In 14.0.0, Notes correctly authenticates a chained IDP provider configuration, and retrieves the correct token from the Domino server for successful login.
- **ID file login prevention**
 - Previously, Notes reverted to asking for a user's ID file credentials if the login dialog requesting NFL credentials was cancelled. In 14.0.0, set the following notes.ini to make NFL login mandatory: **MakeNFLMandatory=1**

What's new in HCL Notes 14 – Performance

- **64 K field size support in email body**
 - Prior to Notes 14.0.0, email bodies exceeding 32 K resulted in errors. Now, any Rich Text field supports 64 K.
 - Larger text size needs to be enabled in the database through compact.
- **Better Rendering Of Images In Email (SNI support)**
 - Notes now supports SNI, which allows copying and pasting images with high resolution.
 - Server Name Indication (SNI) is an extension for the TLS protocol (formerly the SSL protocol), which is used in HTTPS. Including this extension makes it possible for Notes users to copy and paste images from modern websites and browsers that use SNI.
- **64-bit Client Support For Long arrays in Lotus Script**
 - DoubleAsPtrForClientW64 =1 is now enabled by default.

What's new in HCL Notes 14 – General Enhancements

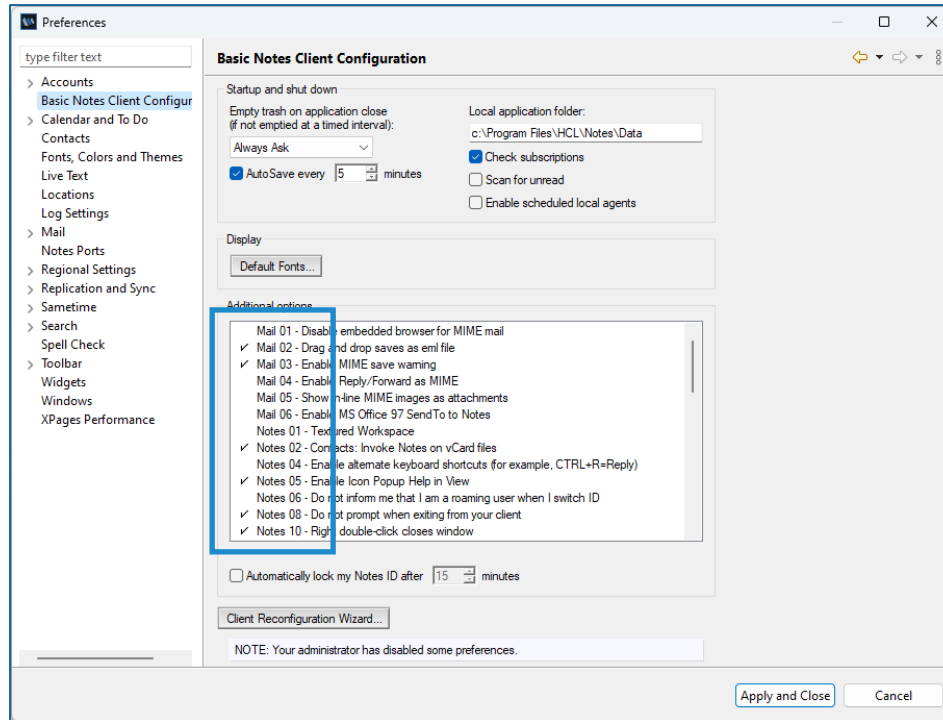
- **Disable the Lotuscript Debugger**
 - You can now “Disable the Lotuscript Debugger” using Desktop policy.
- **AUT (NotesAutoUpdate) now upgrades from Notes 32-bit to Notes 64-bit**
- **Improved Java Script Editor**
 - The look and feel of the Java Script Editor is improved.
 - Content assist: CTRL + SPACE, CTRL + CLICK and DOT (.) operator.
 - The Outline tab displays functions and variable names.
 - Automatic tag creation based on context.

What's new in HCL Notes 14 – General Enhancements (cont.)

- **JVM upgrade**
 - JVM for the Notes Client has been upgraded from Java 1.8 to Java 17.
 - Windows and Mac clients support Java 17.
 - JDK 17 is the open-source reference implementation of version 17 of the Java SE Platform, as specified by JSR 390 in the Java Community Process.
- **Preferences grouping and numbering**
 - Prior to Notes 14.0.0, preferences were organized in a flat list. To improve usability, the following enhancements are provided for Preferences in this release:
 - Grouping
 - Create a numbering scheme

What's new in HCL Notes 14 – General Enhancements (cont.)

- **Preferences grouping and numbering**



What's new in HCL Notes 14 – General Enhancements (cont.)

- **Compiler upgrade**
 - In Notes 14, the C++ compiler has been upgraded from VC 2017 to VC 2022 on Windows.
- **Eclipse Upgrade (4.6 to 4.22)**
 - New features in the Platform and Equinox.
 - New features for Java developers.
 - New APIs in the Platform and Equinox.
 - New features for plug-in developers.

What's new in HCL Notes 14 – Restyle Enhancements

- Shared fields and shared columns are now restyled.
- Optionally apply updated icons for action buttons and view column icons.
- Restyle only selected portions of the application.
- Select an overall typeface for the application.
- Utilize user-supplied typography.
- In Designer, choose the updated view icons for applications even if you they are not restyled.
- Standard, built-in action icons are updated for restyled applications.
- Help/About documents are restyled.
- Import an app icon.
- Define your own application colors for use.
- Utilize user-supplied themes stored in a shared database.
- Create an application icon.
- Applications can choose to change their launch property to a standardized frameset.
- Restyled fields.
- Improved support for Domino policies.
- Navigators in the application are restyled.
- Bevelled edges are now an option when creating app icons.



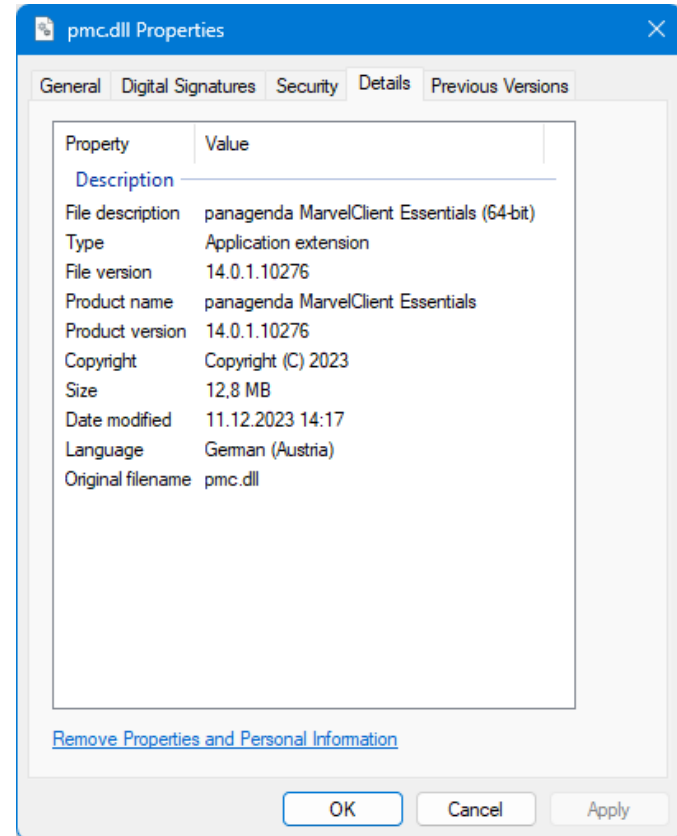
HCL Notes



MarvelClient™

What's new in HCL Notes 14 – MarvelClient

- **MarvelClient Essentials**
 - The latest MarvelClient Essentials version (14.0.1 64-bit) is already part of the Notes Installer package. You can find the binary here:
C:\Program Files\HCL\Notes\pmc.dll
- **MarvelClient Licensed**
 - Customers will automatically get the latest MarvelClient licensed version (14.0.4 64-bit) using the Online Update feature of the MarvelClient Configuration Database.



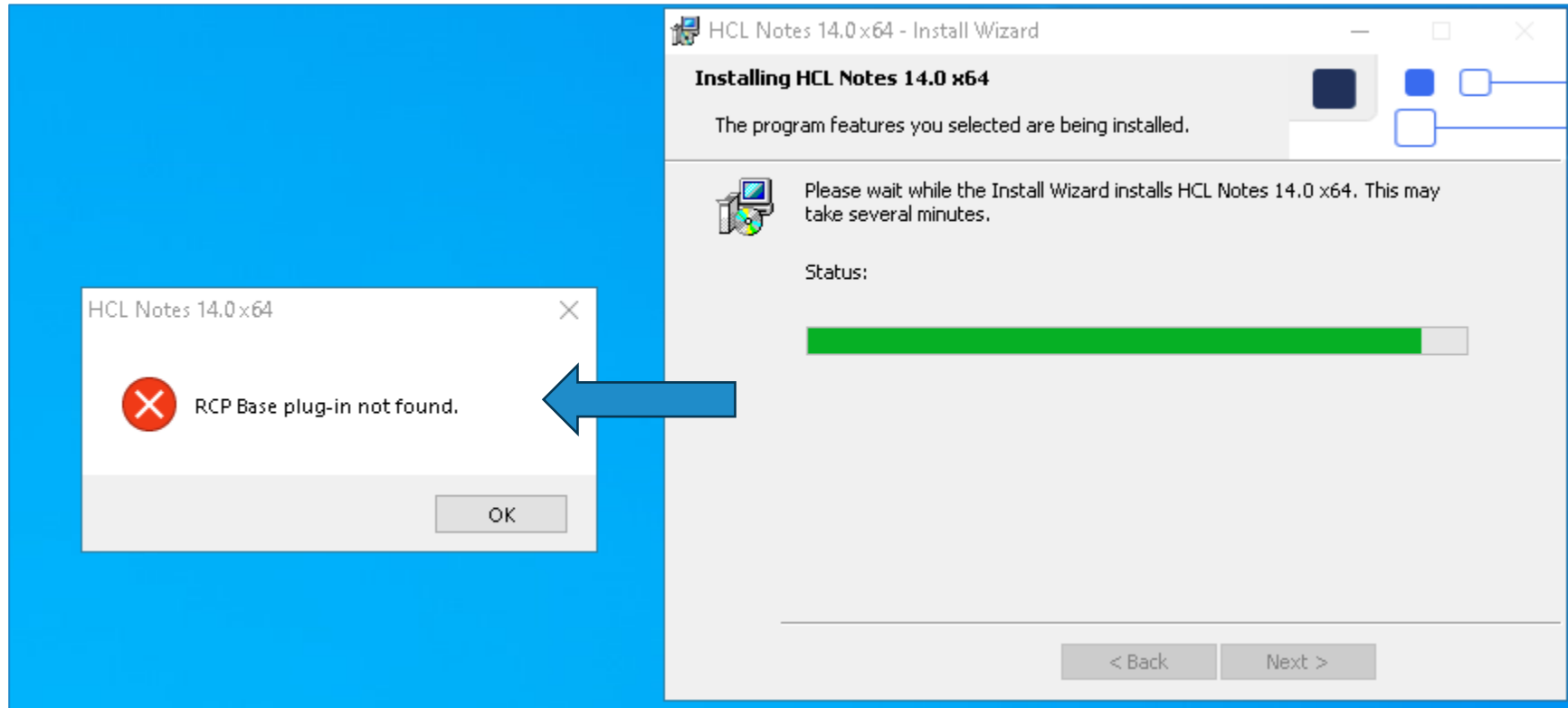


Upgrades to HCL Notes 14

Upgrades to HCL Notes 14

- **Notes 14 is only available in 64-bit**
- **Default installation folders (Multi-User on Windows)**
 - Program → c:\Program Files\HCL\Notes
 - Shared Data → c:\ProgramData\HCL\Notes\Data\shared
 - Data → C:\Users\%USERNAME%\AppData\Local\HCL\Notes\Data
- **Challenges**
 - Depends on from which version you are upgrading → Notes 9 / 10 / 11 / 12 (32) / 12 (64)
 - Data folder Migration
 - Notes.ini (Program, EXTMGR_ADDINS, AddInMenus, etc.)
 - **Again: In-place upgrades are dangerous**
 - we always suggest to uninstall, migrate data, clean, install & configure

Upgrades to HCL Notes 14 – Upgrade from 11.0.1 to 14.0



Upgrades to HCL Notes 14

- **NICE.exe & NICE64.exe**
 - To correctly uninstall Notes you might want to run both NICE execs successively
 - **Note:** There is a new NICE64.exe (v14) available for download OR in Install package
- **MarvelClient Upgrade for Notes 14**
 - For all details see our last Webinar recording “How to Perform HCL Notes 14 Upgrades Smoothly” here:



A photograph of a football player in a white jersey with blue accents and a white helmet, seen from the side, reaching up to catch a football. The background shows a stadium with tall light towers under a cloudy sky. A thin blue vertical line is positioned to the left of the text.

Challenges with 64-bit

Challenges with Notes on 64-bit

- **We spoke about this already a lot at**
 - Engage, DNUG, CollabSphere and in our last webinars – since we know Notes14 will be available in 64-bit only.
- **How many customers do we know, who are already on Notes 64-bit?**
 - Something between “A lot” and “All” customers are at least trying out 64-bit clients
 - We are aware of one (1) customer (<100 users) who is using 64-bit since the first version of 12.0.2 was available. They didn’t have any 64-bit issues at all and are very happy with it. They are only using Notes for Mail, Calendar and Contacts.
 - **BUT** - the more Domino applications you are using &| the more complex your Domino applications are, the higher is the chance that you will get **(serious) issues** if you don’t analyze your apps and fix the needed code parts before you go on 64-bit!



Applications™



Analyze your Domino Apps from every angle.

Understand DESIGN and DATA to credibly deliver your next modernization project on time and on budget.

Pre-defined Design Insights

Learn where you have dependencies regarding hard-coded server names and/or paths, mail functionalities, 32- vs. 64-bit code, ...

Custom Insights and Code Search

Create your very own custom insights to check all your Applications for specific code blocks to identify issues before they occur AND use the advanced Code Search over all your Applications and Replicas in lightspeed

And much more to discover...



EXPERT TALKS
WEBINAR SERIES

Developer Special

How to Prepare Applications for Notes 64-bit Clients

January 30th, 2024 | 10:00 am EST | 4:00 pm CET

[Register Today >](#)



Julian Robichaux

Development Team Lead
IBM Lifetime Champion & HCL Lifetime Ambassador
panagenda





Notes 14 – Customer Service 😊

Notes 14 – Customer Service 😊 - Useful links

What's new in HCL Notes 14.0

https://help.hcltechsw.com/notes/14.0.0/client/whatsnew_1400.html

HCL Notes 14.0 Documentation

<https://help.hcltechsw.com/notes/14.0.0/client/index.html>

HCL Notes and Domino 14.0 Release Notes

https://support.hcltechsw.com/csm?id=kb_article&sysparm_article=KB0108180

HCL Notes 14.0 System Requirements

https://support.hcltechsw.com/csm?id=kb_article&sysparm_article=KB0108739

HCL Notes/Domino Fixlist

https://ds_infolib.hcltechsw.com/ldd/fixlist.nsf?OpenDatabase&Start=1&Count=30&Expand=1

HCL Notes 14.0 Download

<https://my.hcltechsw.com/downloads/domino/notes/14.0>

Notes 14 – Customer Service 😊 - First Hotfix available

Core updates [🔗](#)

- **JVM upgrade:** JVM has been upgraded to the following version of Java 17 LTS release:

```
openjdk version "17.0.8.1" 2023-08-24
IBM Semeru Runtime Open Edition 17.0.8.1 (build 17.0.8.1+1)
Eclipse OpenJ9 VM 17.0.8.1 (build openj9-0.40.0, JRE 17 Windows 10 amd64-64-Bit Compressed References 20230824_503 (JIT enabled, AOT enabled)
OpenJ9 - d12d10c9e
OMR - e80bff83b
JCL - 8ecf238a124 based on jdk-17.0.8.1+1)
```

For Domino Java applications to work properly with Domino 14.0, which contains Java 17, you must explicitly add `glassfish-corba-omgapi.jar` on the Java classpath along with the `Notes.jar` or `NCSO.jar` that is already there. Java 17 doesn't support the Extension mechanism (`jvmlib/ext`) – all extension jars, such as `Notes.jar`, `NCSO.jar`, and `glassfish-corba-omgapi.jar`, are placed in the `nextx` folder under the `Notes/Domino Program Directory`.

KB0108677 - Defect Article

[Login to subscribe](#) [Send feedback](#)

HCL Domino 14.0 and HCL Notes 14.0 install kits are missing NCSO.jar/NCSO.cab file

published 21h ago • 50 Views • ★★★★★

Applies to

HCL Domino 14.0 and HCL Notes 14.0

Observed Behavior

After install of HCL Domino or HCL Notes, there should be NCSO.jar and NCSO.cab files installed to <installed-directory>\data\domino\java directory. However, with HCL Domino 14.0 and HCL Notes 14.0, those files are missing. They will be provided as part of first FP release. If you need a hotfix, please contact the HCL support team.

Expected Behavior

If you were using NCSO.jar to run your Java applications, you won't be able to run it now, without a hotfix or next FP release.

Workaround

Request a hotfix.

Defect Status

Open



Notes 14 – Customer Service 😊 - Attention Developers!

KB0108676 - Defect Article

[Login to subscribe](#) [Send feedback](#)

Notes/Domino 14.0 duplicate replication ID with Designer Help databases

📅 published 4d ago • 👁 43 Views • ★★★★★

Applies to

Notes/Domino 14.0

Observed Behavior

Notes/Domino 14.0 ships with duplicate replica IDs for help\help12_designer.nsf and help\help14_designer.nsf. This issue is tracked via SPR/Defect JPAICXEHR. Customers will see the following message from the replicator in the Domino server console or console log files:

Replication: Databases with duplicate replica IDs found on server: CN=Mailhub1/O=PNPHCL (help\help12_designer.nsf, help\help14_designer.nsf)

Expected Behavior

Above Replication message will not be seen.

Defect Status

Open

Designated/Resolved version

TBD

[Copy Permalink](#)



Notes 14 – Customer Service 😊 - Security issue

HCL Notes 14 is affected by a Code Injection Vulnerability in the OpenSSL component used by IBM Semeru Java

Vulnerability Details

CVE-ID: CVE-2023-4807

CVSS Base Score: 7.8 (High)

CVSS Vector: CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H



Recap:

What's better for YOU - Notes 12.0.2 32-bit or 14.0 64-bit?

THANK YOU!



Your Feedback Matters to Us



SCAN ME



Developer Special

How to Prepare Applications for Notes 64-bit Clients

January 30th, 2024 | 10:00 am EST | 4:00 pm CET

[Register Today >](#)



Julian Robichaux

Development Team Lead
IBM Lifetime Champion & HCL Lifetime Ambassador
panagenda

