

HCL Nomad Web Best Practices and Managing Multiuser Environments

April 29th, 2025



Host & Speaker





Christoph Adler War Head of Solution Consulting

christoph.adler@panagenda.com



Marc Thomas

Senior Solutions Architect

marc.thomas@panagenda.com

Before We Start





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



- HCL Nomad Web Latest release
- Troubleshooting
 - Locating (and interpreting) log files
 - Accessing the console
 - Accessing the data folder
 - Bonus: Client Clocking (yes on Nomad)
- Multi-user scenario(s)
- > Q&A



HCL Nomad Web - Latest release

HCL Nomad Web - Latest release



- HCL Nomad for web browsers v.1.0.15 IF1 (March 21st, 2025) see here
 - KB0119878 Nomad server on Domino authentication uses the built-in method even though the Domino OIDC provider is configured
 - KB0119897 Unable to login to Nomad server on Domino for some name formats if "Internet authentication" is set to "Fewer name variations with higher security"
- HCL Nomad for web browsers v.1.0.15 (March 3rd, 2025) see here
 - COM Helper
 - View Attachments
 - Sametime Integration
 - Designer in all Nomad languages
 - Restyle in all Nomad languages

HCL Nomad Web – COM Helper



What is COM Helper?

- Browser extension (Chrome only)
- Helps Domino applications processing COM calls (Component Object Model) from agents and buttons to work with the local windows Filesystem and/or Applications (Word, Excel, etc.)
- Since COM is only available on Windows, COM Helper has the same limitation





Always stay on the latest release!







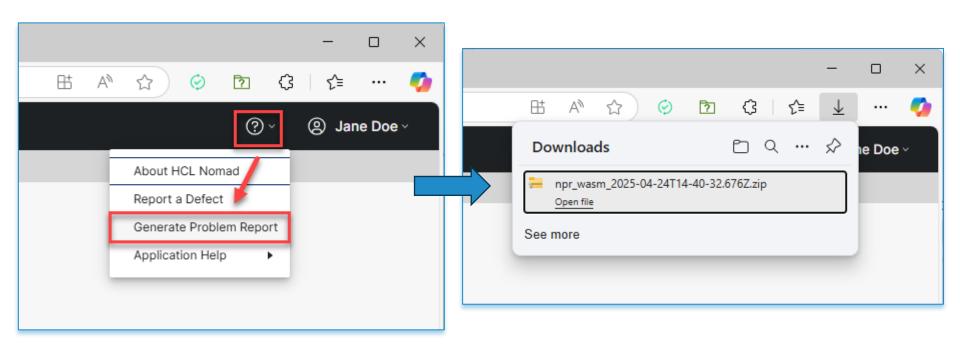


The <u>browser</u> changes (almost) everything



Locating (and interpreting) log files - Problem report

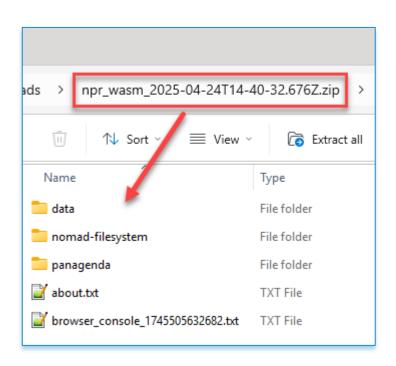




npr = nomad problem report
wasm = WebAssembly

Locating (and interpreting) log files - Problem report





root

browser_console_*.txt

data

- log.nsf
- notes.ini
- TECHNICAL_SUPPORT\console.log
- TECHNICAL_SUPPORT\debug.txt *

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- actions.xml
- log.xml
- logs\ → last 5 days
- temp\config.xml
- temp*.xml

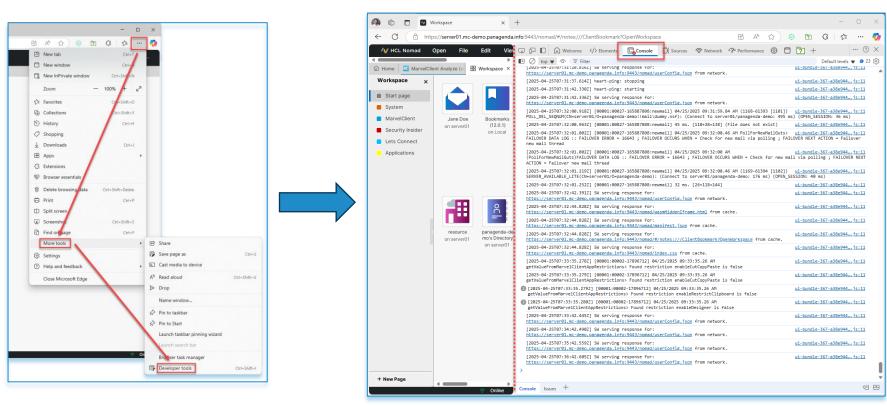


But what if you want to directly touch / work with those files?



Accessing the console





Hint: <ctrl> + <shift> + <i> doesn't work in/with Nomad Web

Accessing the data folder – Step 1



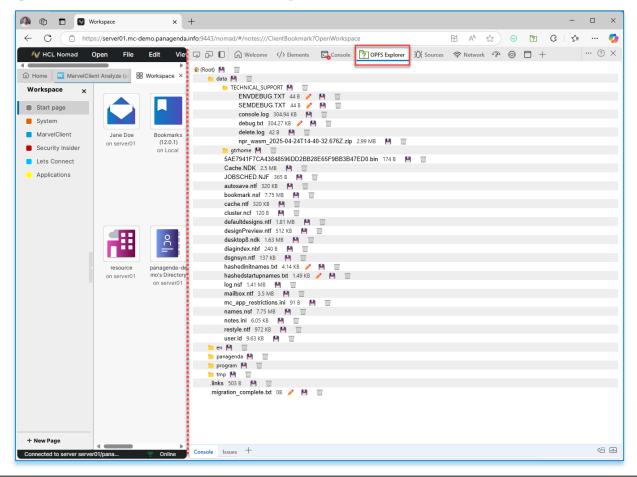
Installing the OPFS Explorer



OPFS = Origin Private File System

Accessing the data folder – Step 2









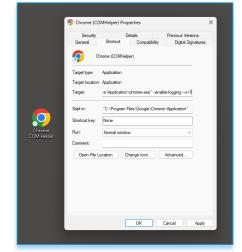
Troubleshooting COM Helper



Logging for the COM Helper is a bit more complicated

Create a new shortcut to launch Chrome and append --enable-logging --v=1 to the

end of "Target"



```
© Google Chrome

Attempting to use a delegate that only supports static-sized tensors with a graph that has dynamic-sized tensors (tensor#-1 is a dynamic-sized tensor).

waiting for input

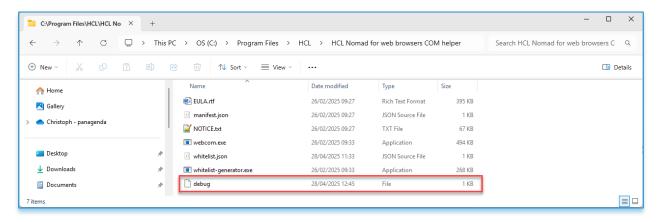
WEBCOM: command: Connect { origin: "server01.mc-demo.panagenda.info:9443" }

Error: CNMError(NoMoreInput)
```

Troubleshooting COM Helper



- To additionally enable "verbose logging"
 - Create a file named debug (with no extension) in the install directory



Hint: Verbose debugging can cause performance degradation with COM operations



Can Client Clocking help with Nomad Web?





HCL Nomad Web - Client Clocking



What is Client Clocking?

- It logs NRPC traffic into a local log file
- You can see all transactions between the client and the server
- Especially for troubleshooting performance with Domino Applications, it's very helpful

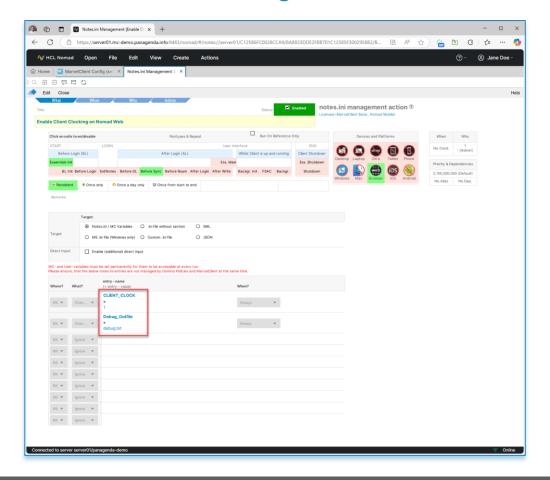
How to enable it?

Via notes.ini parameters (only use it for specific troubleshooting)

CLIENT_CLOCK=1
DEBUG_OUTFILE=debug.txt

HCL Nomad Web – Client Clocking with MarvelClient





HCL Nomad Web – Client Clocking



```
debug WebBrowser 2025 04 28@16 28 40.txt
[00001:00002-17896712] 04/28/2025 04:28:40.03 PM NEMInit> HCL Nomad version: 1.0.15.82-72
 00001:00002-17896712 04/28/2025 04:28:40.03 PM NEMInit> Notes version: Release 14.0FP3
 00001:00002-17896712 04/28/2025 04:28:40.05 PM populateMarvelClientAppRestrictionsCache≻ Added restriction enableRestrictClipboard=false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM populateMarvelClientAppRestrictionsCache> Added restriction enableCutCopyPaste=false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM populateMarvelClientAppRestrictionsCache> Added restriction enableDesigner=false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableCutCopyPaste is false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableCutCopyPaste is false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableRestrictClipboard is false
 00001:00002-17896712] 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableRestrictClipboard is false
 00001:00002-178967121 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableDesigner is false
 00001:00002-17896712| 04/28/2025 04:28:40.05 PM getValueFromMarvelClientAppRestrictions> Found restriction enableDesigner is false
          02-178967121 04/28/2025 04:28:40.05 PM NFMInit> notes ini value BrowserAllowWorkspace=1
          92-17896712 04/28/2025 04:28:40.05 PM NEMInit> Current sizes WebGL: width=739 height=1286 CSS: cssWidth=739 cssHeight=1286
 00001:00002-17896712] 04/28/2025 04:28:40.08 PM wGLPFont::measureTextAndGenerateBitmap> FreeType version: 2.13.3
 00001:00002-17896712] 04/28/2025 04:28:40.08 PM wGLPFont::measureTextAndGenerateBitmap> zlib version: 1.3.1
[00001:00002-17896712] 04/28/2025 04:28:40.08 PM wGLPFont::measureTextAndGenerateBitmap> libpng version: 1.6.39
[00001:00002-17896712] GetSystemMenu() returned a null handle
00001:00002-17896712] 04/28/2025 04:28:41.24 PM OSCreateThread> thread.c#1372: creating a thread for nomad.wasm._main_thread...
00001:00002-17896712] 04/28/2025 04:28:41.24 PM OSCreateThread> thread.c#1569: pthread create succeeded. pthread has ID 129426520 (0x786E458)
 00001:00005-129426520] 04/28/2025 04:28:41.24 PM OSCreateThread> thread.c#1372: creating a thread for nomad.wasm.SetTimer..
 00001:00005-129426520] 04/28/2025 04:28:41.24 PM OSCreateThread> thread.c#1569: pthread create succeeded. pthread has ID 129755064 (0x7BBE7B8)
 00001:00002-17896712] 04/28/2025 04:28:41.82 PM DeskBusyMessageSignalHandler> Validating ECL...
 00001:00002-17896712] 04/28/2025 04:28:41.82 PM SubMessageProc> User name: CN=Jane Doe/O=panagenda-demo
.00001:00002-17896712] 04/28/2025 04:28:42.10 PM wasmjs_websocket_new> URL changed to wss://server01.mc-demo.panagenda.info:9443/nrpc-wss
[00001:00002-17896712] 04/28/2025 04:28:42.76 PM DeskBusyMessageSignalHandler> Configuring Recent Applications...
[00001:00002-17896712] 04/28/2025 04:28:42.96 PM OSCreateThread> thread.c#1372: creating a thread for https://server01.mc-demo.panagenda.info:9443/nomad/066a429cd815fcbc674bbffel
[00001:00002-17896712] 04/28/2025 04:28:42.96 PM OSCreateThread> thread.c#1569: pthread_create succeeded. pthread has ID 125367280 (0x778F3F0)
 00001:00002-17896712] 04/28/2025 04:28:42.98 PM Init> Lang(en_US.UTF-8) CP(en_US.UTF-8), displayLangId=0x0, platform=0xAB
 00001:00002-17896712] 04/28/2025 04:28:43.20 PM DeskStartWaitCursor> wait cursor start
 00001:00002-17896712] 04/28/2025 04:28:43.20 PM OSCreateThread> thread.c#1569: pthread create succeeded. pthread has ID 126438880 (0x7894DE0)
 00001:00002-17896712] 04/28/2025 04:28:43.20 PM OSCreateThread> thread.c#1372: creating a thread for nomad.wasm.MainWndProc...
00001:00002-17896712] 04/28/2025 04:28:43.24 PM OSCreateThread> thread.c#1569: pthread create succeeded. pthread has ID 126770488 (0x78E5D38)
[00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableCutCopyPaste is false
[00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableCutCopyPaste is false
00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableRestrictClipboard is false
00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableRestrictClipboard is false
 00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableDesigner is false
 00001:00002-17896712] 04/28/2025 04:28:43.24 PM getValueFromMarvelClientAppRestrictions> Found restriction enableDesigner is false
 00001:00002-17896712] 04/28/2025 04:28:43.24 PM DeskBusyMessageSignalHandler> panagenda MarvelClient is configuring HCL Nomad...
00001:00007-125367280] 04/28/2025 04:28:43.57 PM getProfilePhotoThread> Error downloading profile photo: Note item not found
[00001:00008-137575376] 04/28/2025 04:28:44.52 PM (1-4 [16]) OPEN_DB(CN=server01/O=panagenda-demo!!panagenda\pmc_analyze.nsf): (Opened: REPC12586FC:00260FB5) 50 ms. [150+306=456]
[00001:00008-137575376] 04/28/2025 04:28:44.57 PM (2-4 [17]) DB_REPLINFO_GET(REPC12586FC:00260FB5): 34 ms. [30+48=78]
[00001:00008-137575376] 04/28/2025 04:28:44.61 PM (3-4 [18]) GET DBINFO(REPC12586FC:00260FB5): 39 ms. [30+32=62]
[00001:00008-137575376] 04/28/2025 04:28:44.65 PM (4-4 [19]) FINDDESIGN_NOTES(REPC12586FC:00260FB5): 34 ms. [64+32=96]
00001:00008-137575376] 04/28/2025 04:28:44.68 PM (5-4 [20]) OPEN COLLECTION(REPC12586FC:00260FB5-NT00006DD6.0000.0000): 38 ms. [58+50=108]
00001:00008-137575376] 04/28/2025 04:28:44.72 PM (6-4 [21]) FIND BY KEY(REPC12586FC:00260FB5): 59 ms. [556+50=606]
00001:00008-137575376] 04/28/2025 04:28:44.78 PM (7-4 [22]) READ ENTRIES(REPC12586FC:00260FB5-NT00006DD6): 44 ms. [92+320=412]
00001:00008-137575376] 04/28/2025 04:28:44.83 PM (8-4 [23]) OPEN NOTE(REPC12586FC:00260FB5-NT0001E94A,00400004): 33 ms. [64+3364=3428]
[00001:00008-137575376] 04/28/2025 04:28:44.87 PM (9-4 [24]) CLOSE COLLECTION(REPC12586FC:00260FB5-NT00006DD6): 1 ms. [28+0=28]
00001:00013-131118336] 04/28/2025 04:28:44.88 PM (10-4 [25]) SERVER TIME: 04/28/2025 04:28:44.93 PM (11-4 [25]) OPEN DB(CN=server01/0=panagenda-demo!!mail\dummy.nsf): (Opened: RE
00001:00008-137575376] 04/28/2025 04:28:45.00 PM (12-4 [26]) SERVER AVAILABLE LITE(CN=server01/0=panagenda-demo): 40 ms. [86+134=220]
[00001:00013-131118336] (Connect to server01/panagenda-demo: 237 ms) (OPEN SESSION: 48 ms)
         0008-137575376] 04/28/2025 04:28:45.20 PM (13-4 [28]) FINDDESIGN NOTES(REPC12586FC:00260FB5): 50 ms. [10+20=30]
         008-137575376] 04/28/2025 04:28:45.25 PM (14-4 [29]) OPEN COLLECTION(REPC12586FC:00260FB5-NT0000119E,0000,0000): 50 ms. [0+0=0] (Session Closed)
          08-137575376] 04/28/2025 04:28:45.30 PM (15-5 [30]) FIND BY KEY(REPC12586FC:00260FB5): 53 ms. [556+50=606]
          08-137575376] 04/28/2025 04:28:45.35 PM (16-5 [31]) READ ENTRIES(REPC12586FC:00260FB5-NT0000119E): 37 ms. [92+434=526]
 00001:00008-137575376] 04/28/2025 04:28:45.39 PM (17-5 [32]) OPEN NOTE(REPC12586FC:00260FB5-NT00021CEE,00400004): 54 ms. [64+7578=7642]
 00001:00008-137575376] 04/28/2025 04:28:45.45 PM (18-5 [33]) CLOSE COLLECTION(REPC12586FC:00260FB5-NT0000119E): 0 ms. [28+0=28]
```

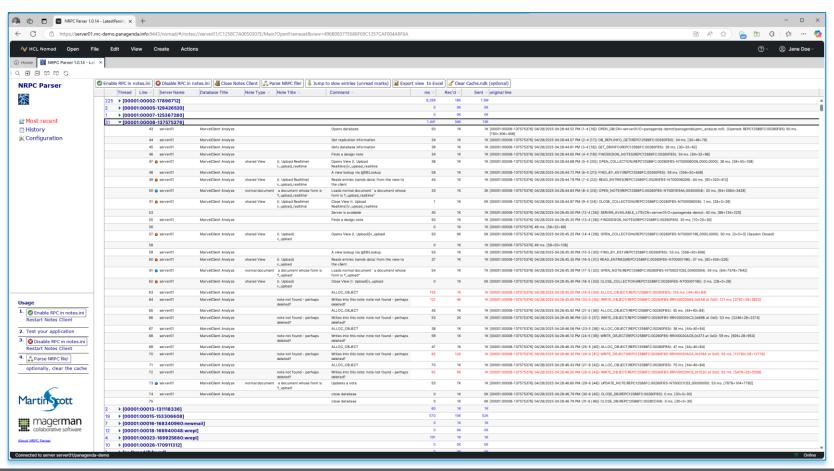


NRPC Parser from OpenNTF



Notes Remote Procedure Calls Parser







What is the Nomad Web multi-user approach?



HCL Nomad Web – Multi-user approach



One OS User Profile for each Nomad Web Instance

- Recommended for most scenarios
- User switch by changing the OS user profile



Dedicated Browser Profile for each Nomad Web Instance

- One Browser for all Nomad Web instances but separated by browser profiles
- User switch by changing the browser profile



Dedicated Browser for each Nomad Web Instance

- One Browser for each Nomad Web user. Running the same OS user profile
- User switch can be done by opening different browsers



HCL Nomad Web – Multi-user approach



- Same Browser for multiple Nomad Web Instances
 - One Browser for multiple Nomad Web users on the same OS user profile
 - User switch by restarting Nomad Web.



To force local user data to clear on shutdown, set the following notes.ini value:

resetNomadInstance=1



HCL Nomad Web – Multi-user approach



Same Browser for multiple Nomad Web Instances

- One Browser for multiple Nomad Web users on the same OS user profile
- User switch by restarting Nomad Web.



- To force local user data to clear on shutdown, set the following notes.ini value:
 - -resetNomadInstance=1





What makes multi-user scenarios more convenient?







MarvelClient™ Roaming



Enjoy HCL Nomad Web - The perfect way!

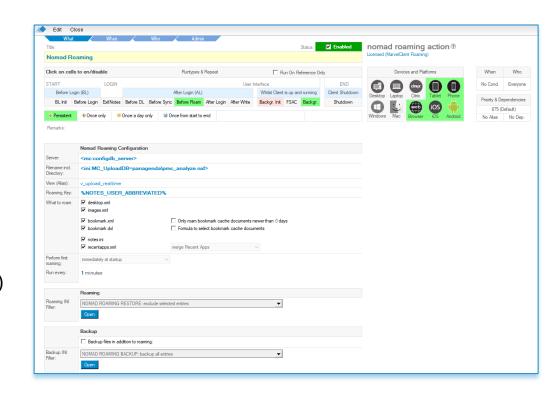


MarvelClient Roaming

- Your data follows you automatically
- Set up in <2min (single action solution)

Works with / Licensed for

- Notes (Basic / Standard)
- Nomad Web
- Nomad Mobile (iOS / Android)



MarvelClient Roaming use-cases for HCL Nomad Web



Your data follows you, even if you

- Change the browser (e. g. Chrome to Edge)
- Change the browsers profile
- Clean/Remove/Delete the browsers cache
- Switch computers
- Run Nomad Web on 2 or more computers at the same time*
- Reset Nomad**



^{*} By default, it will check every 15min for changes, update the roaming set or apply it if the roaming set is newer. At shutdown, the last wins.

** Yes, an administrator can of course also reset the roaming set if needed in < 1minute.



THANK YOU!





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Domino IQ - Was Sie erwarten können, erste Schritte und Anwendungsfälle

Sprecher



Marc Thomas Senior Solutions Architect & HCL Ambassador panagenda

