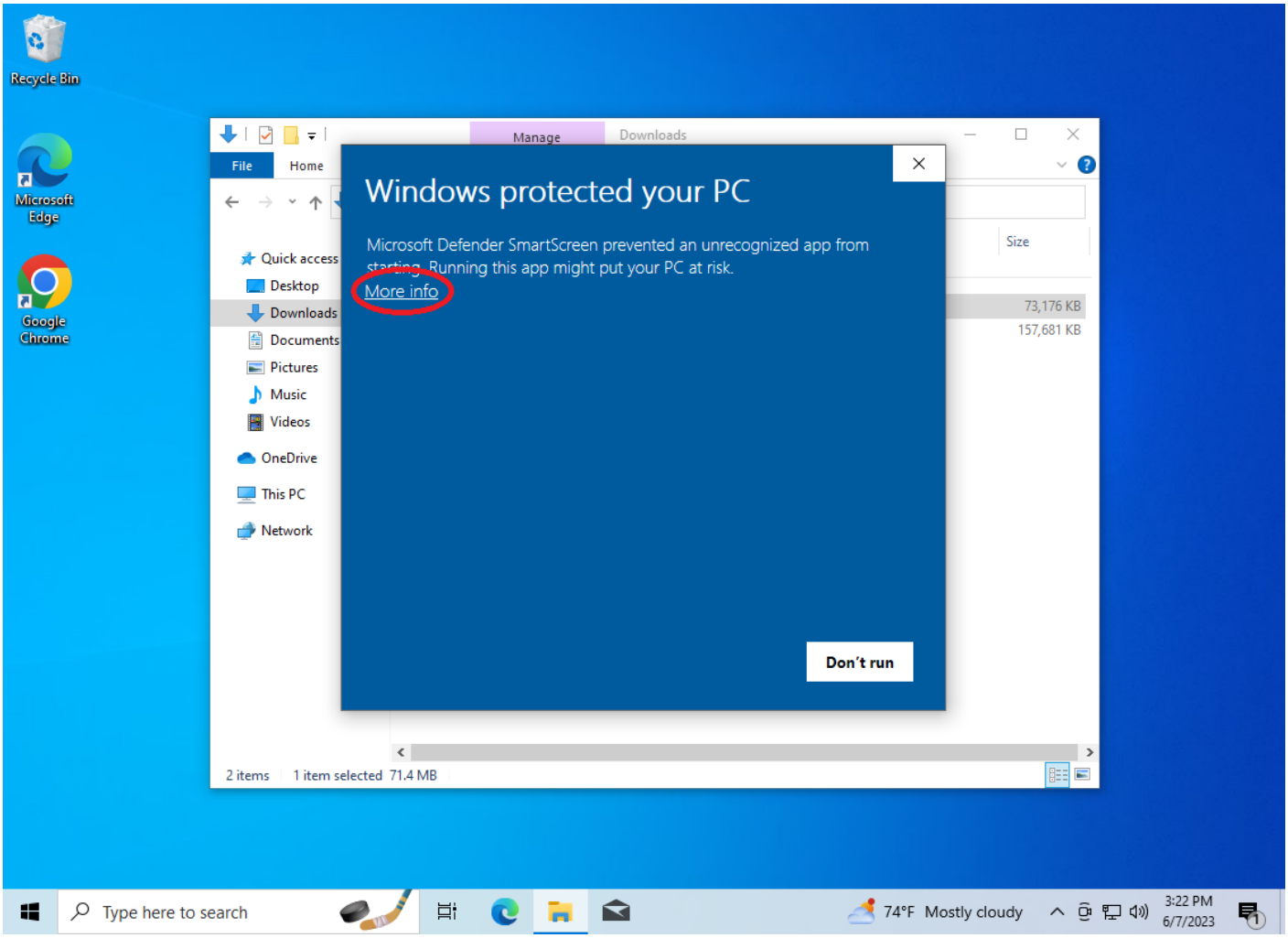
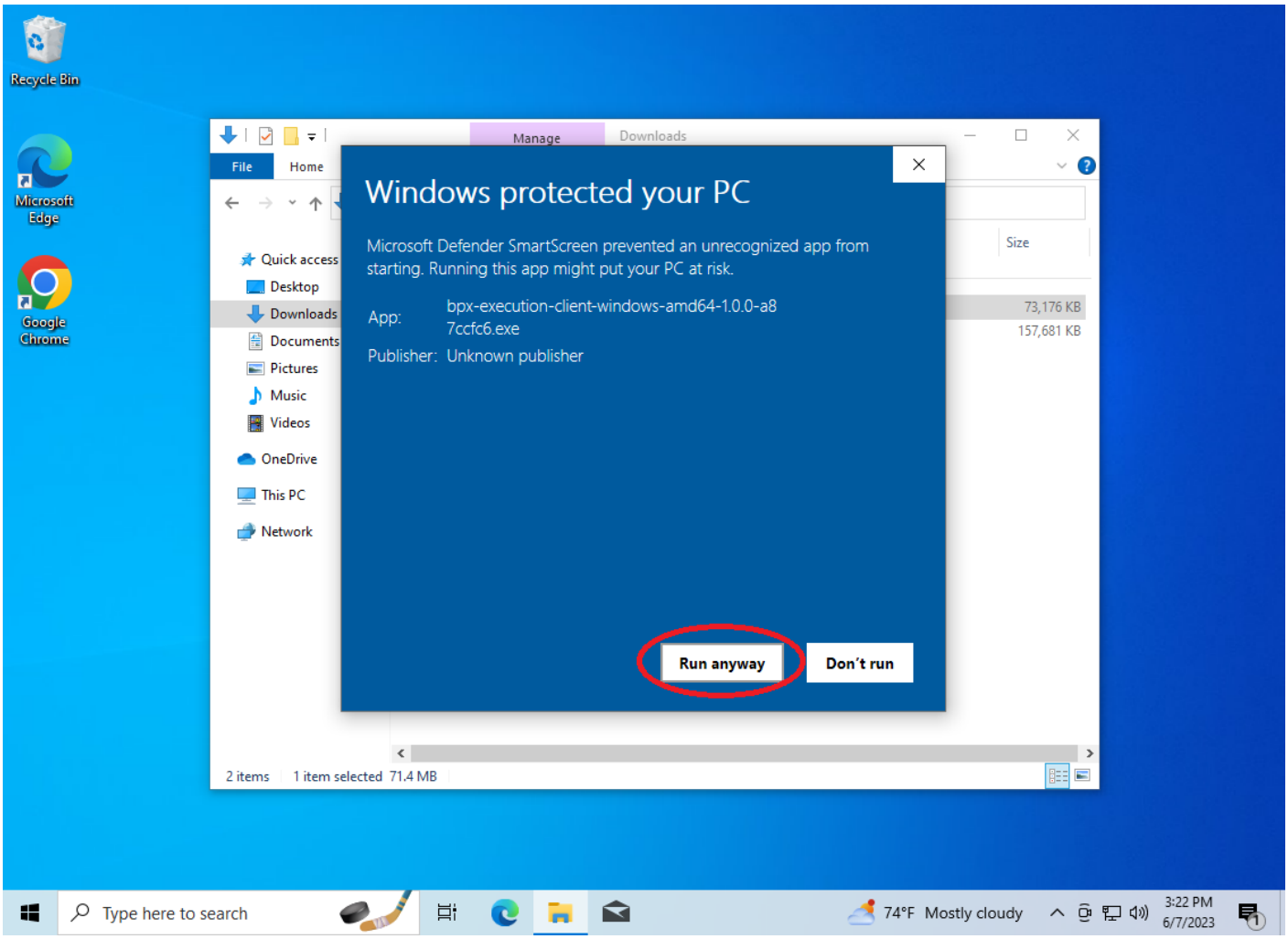
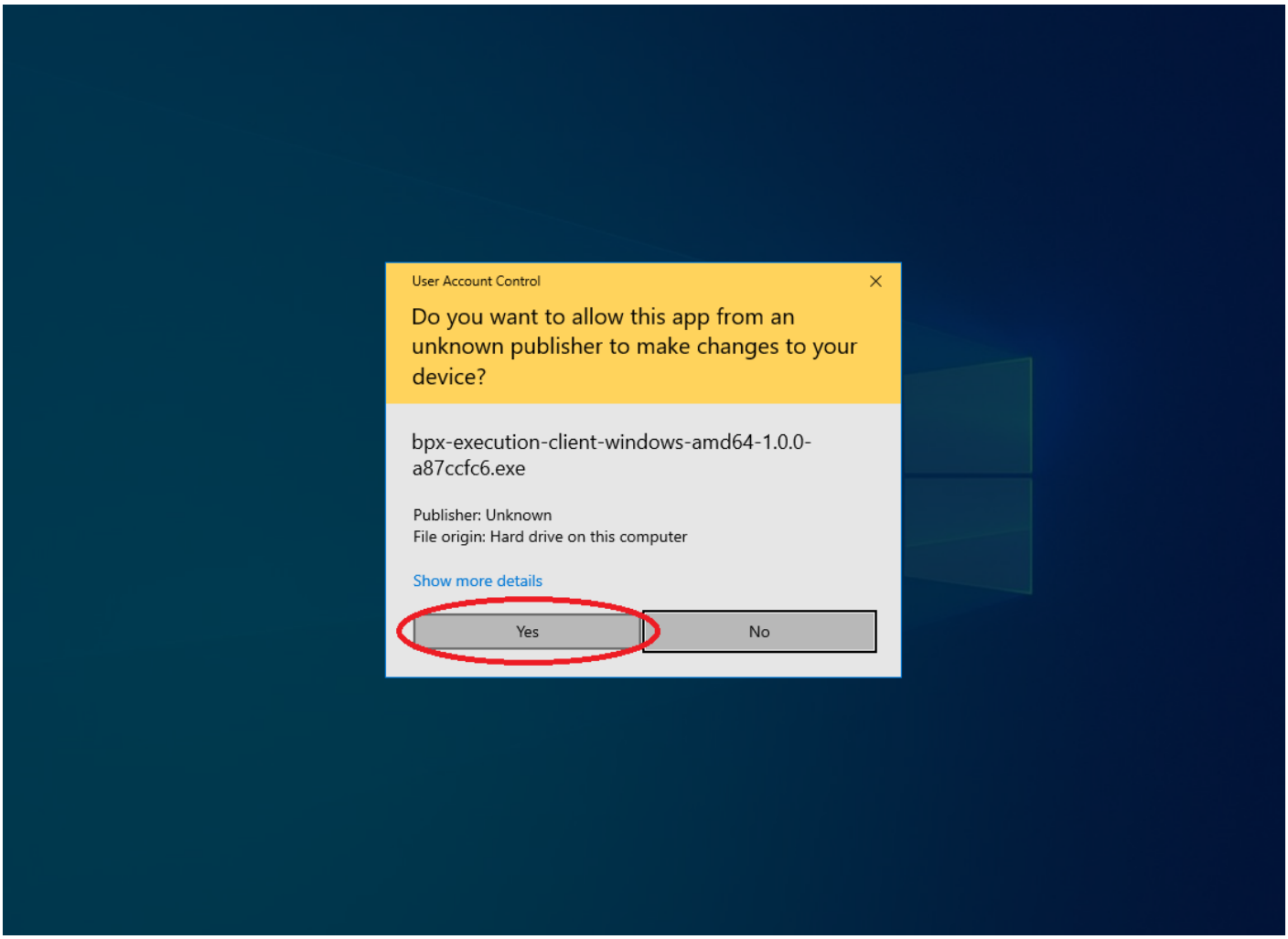
Installing and running BPX full node on Windows

1. Download the EXE installers for the latest releases of the **Execution Client** and **Beacon Client**.

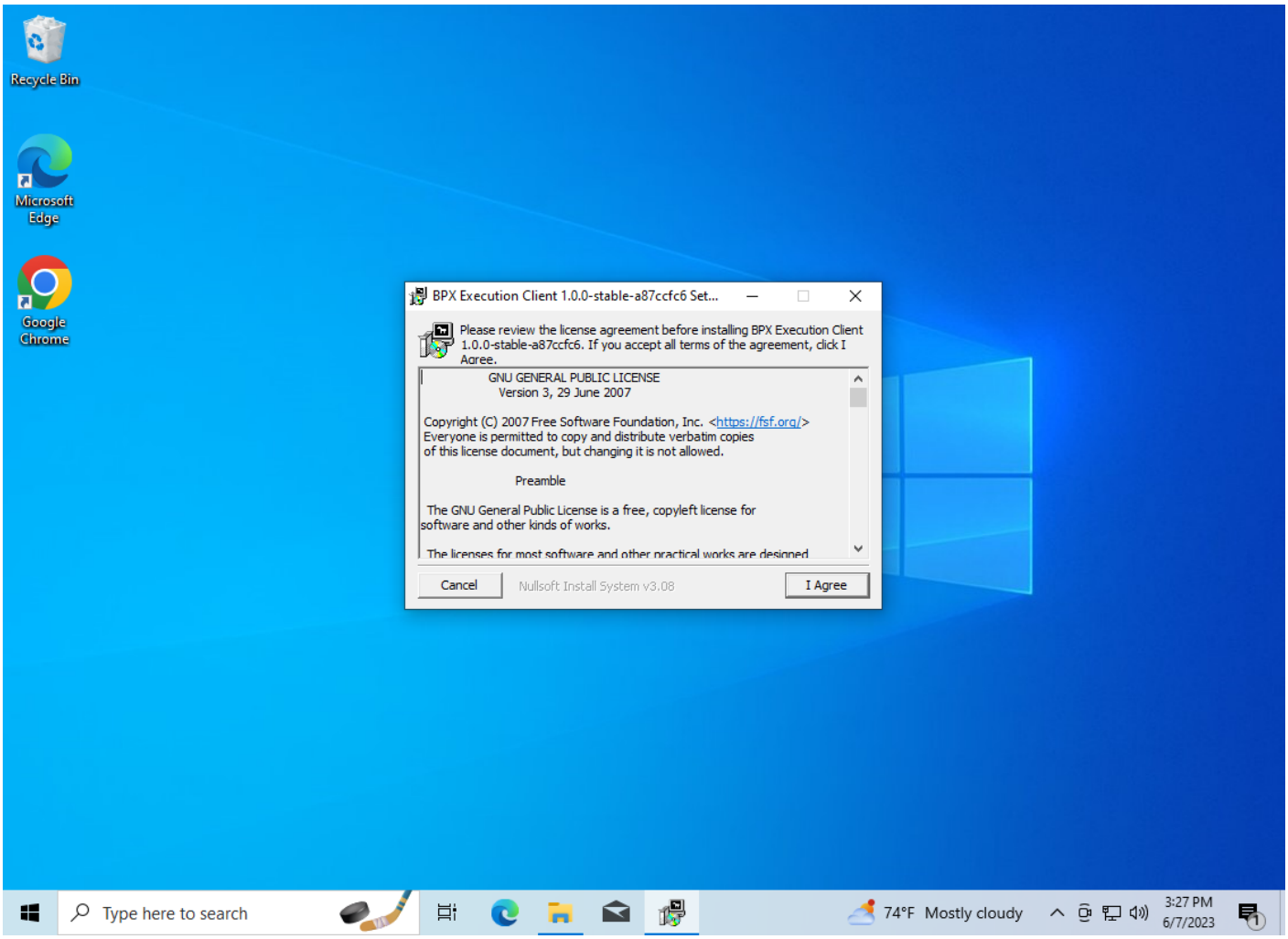
2. Run the **Execution Client** installer first. Depending on your Windows version, different warnings may appear. In these cases, click "**More info**", then select "**Run anyway**", and "**Yes**".

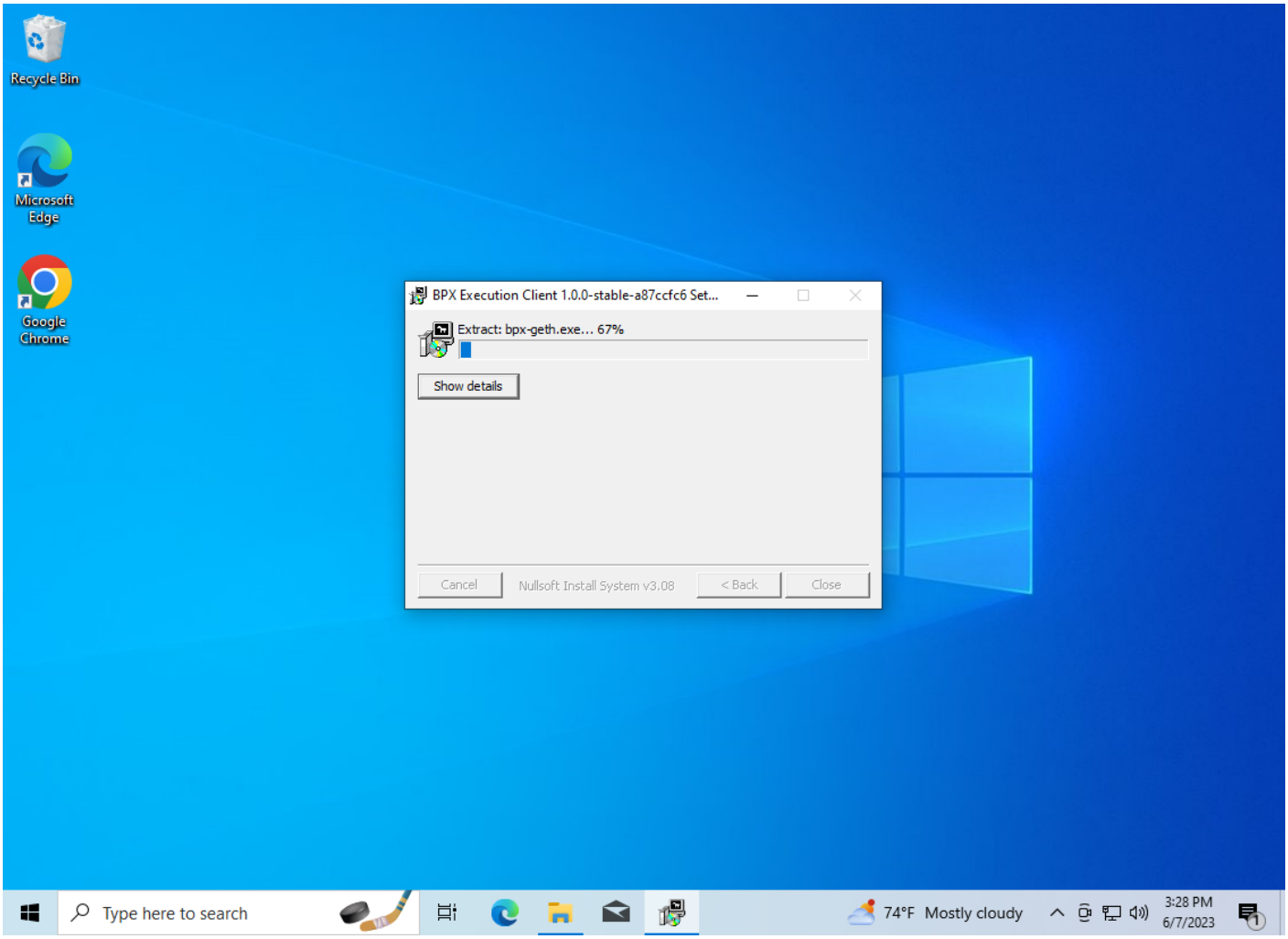



Recycle Bin
Microsoft Edge
Google Chrome
Manage
Downloads
File
Home
Quick access
Desktop
Downloads
Documents
Pictures
Music
Videos
OneDrive
This PC
Network
Size
73,176 KB
157,681 KB
2 items
1 item selected 71.4 MB
Windows protected your PC
Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.
App: bpx-execution-client-windows-amd64-1.0.0-a87ccfc6.exe
Publisher: Unknown publisher
Run anyway
Don't run
Type here to search
74°F Mostly cloudy
3:22 PM
6/7/2023

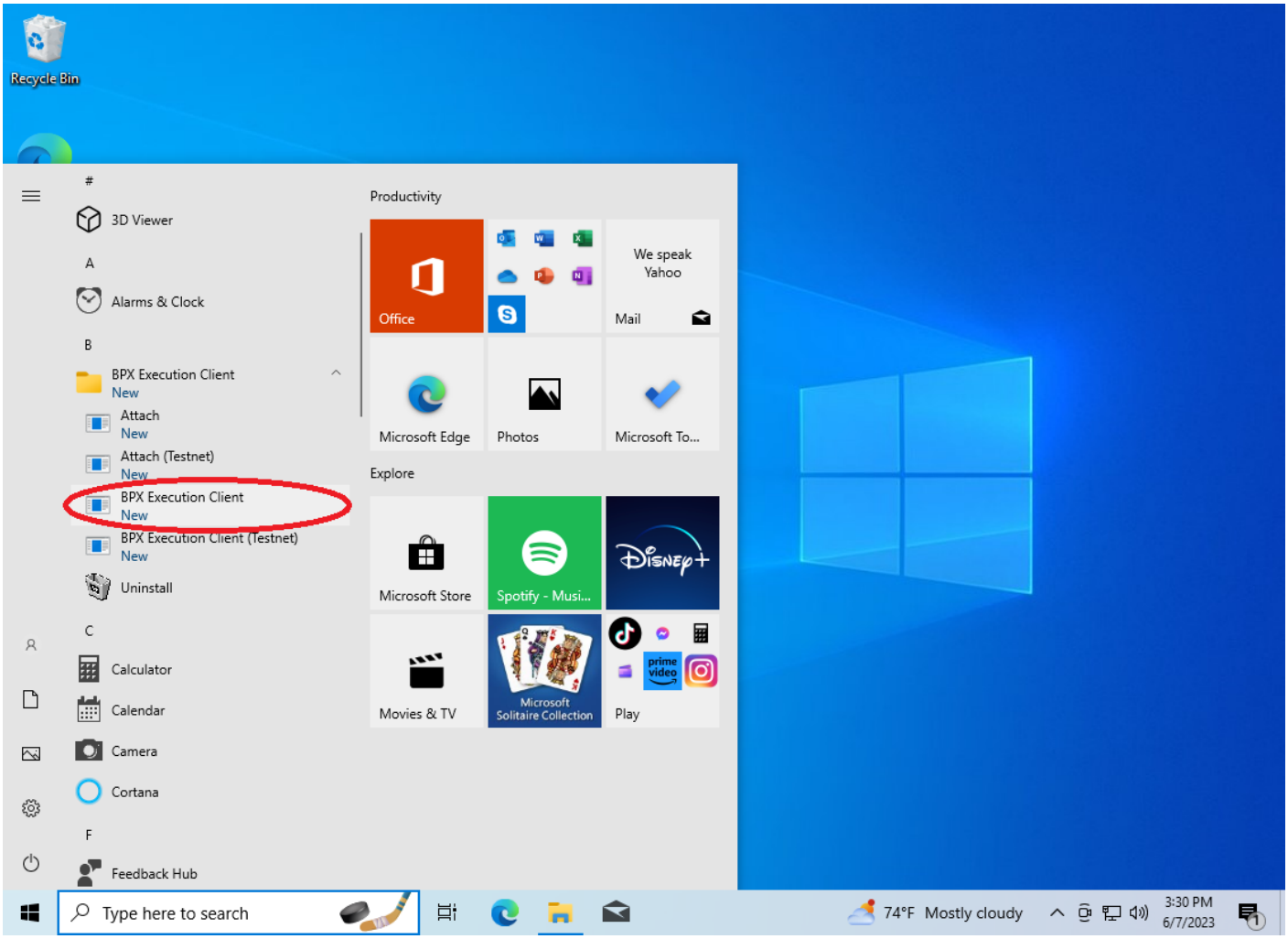


3. Follow all the installer steps by clicking "**I Agree**", "**Next**" and "**Install**". Once the installation process is complete, close the installer.

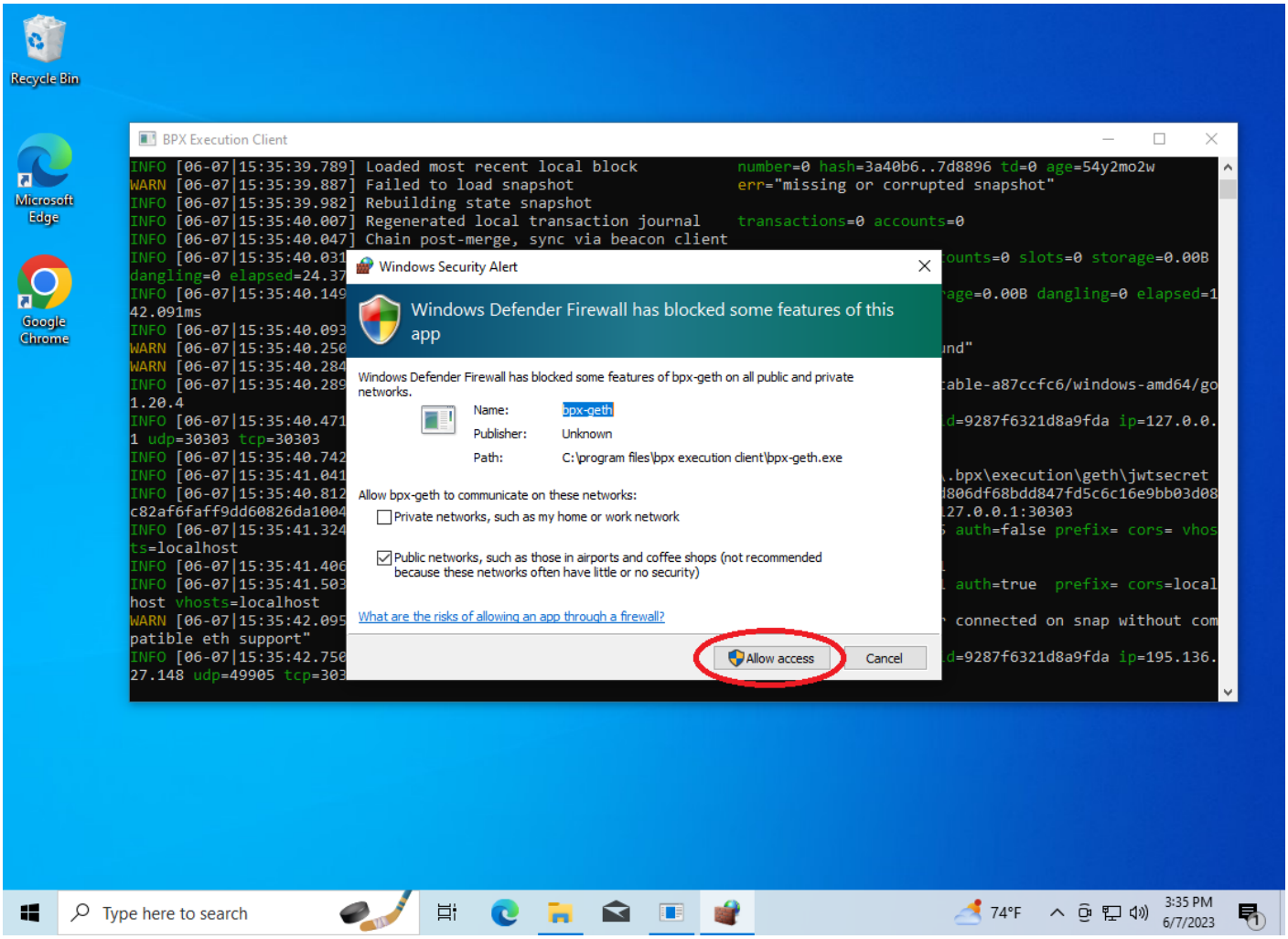

Recycle Bin
Microsoft Edge
Google Chrome
BPX Execution Client 1.0.0-stable-a87ccfc6 Set...
Please review the license agreement before installing BPX Execution Client 1.0.0-stable-a87ccfc6. If you accept all terms of the agreement, click I Agree.
GNU GENERAL PUBLIC LICENSE
Version 3, 29 June 2007
Copyright (C) 2007 Free Software Foundation, Inc. <https://fsf.org/>
Everyone is permitted to copy and distribute verbatim copies
of this license document, but changing it is not allowed.
Preamble
The GNU General Public License is a free, copyleft license for
software and other kinds of works.
The licenses for most software and other practical works are designed
Cancel
Nullsoft Install System v3.08
I Agree
Type here to search
74°F Mostly cloudy
3:27 PM
6/7/2023

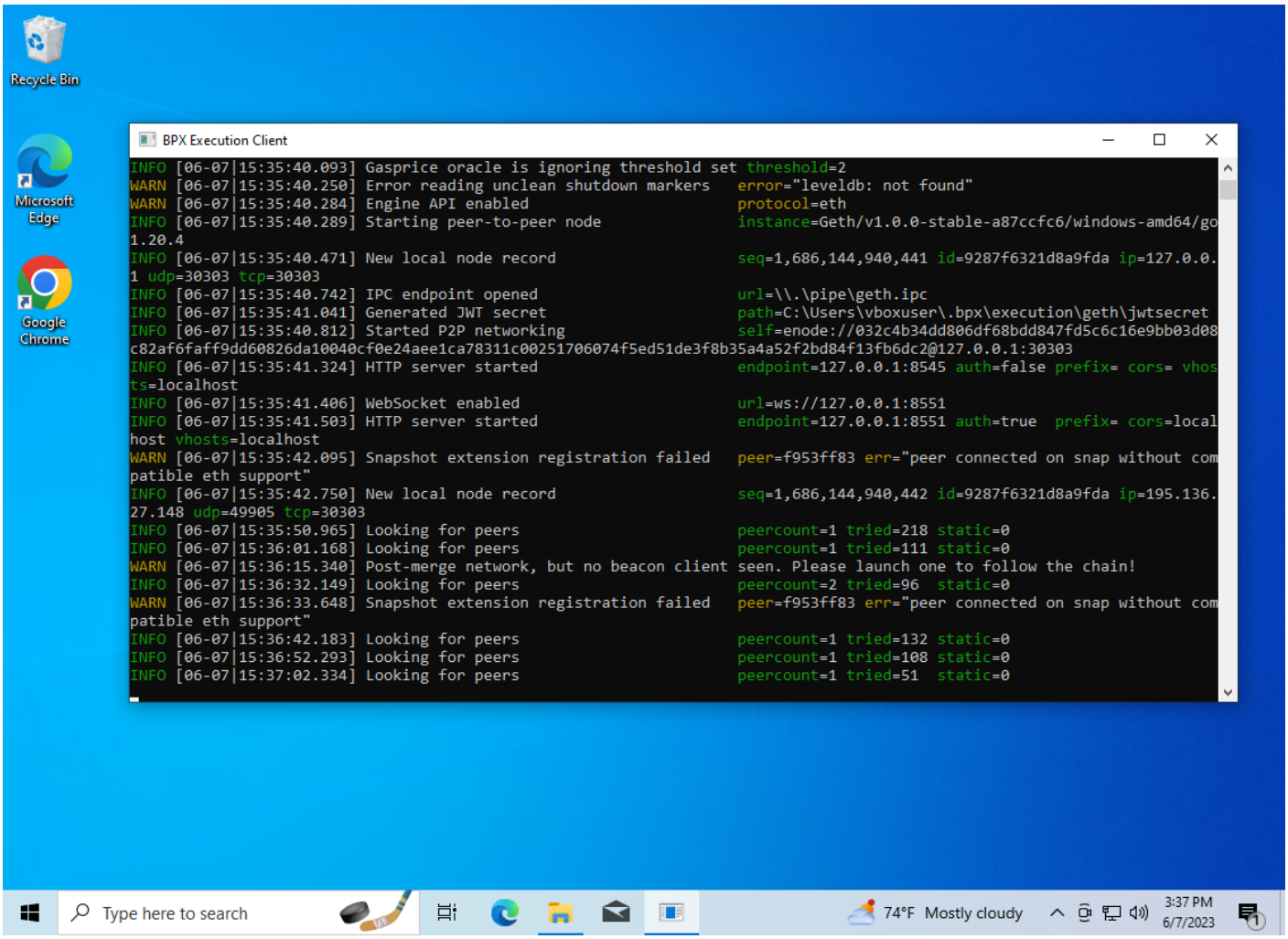


4. A shortcut to the **BPX Execution Client** will be created in the Start Menu. Launch it from there.



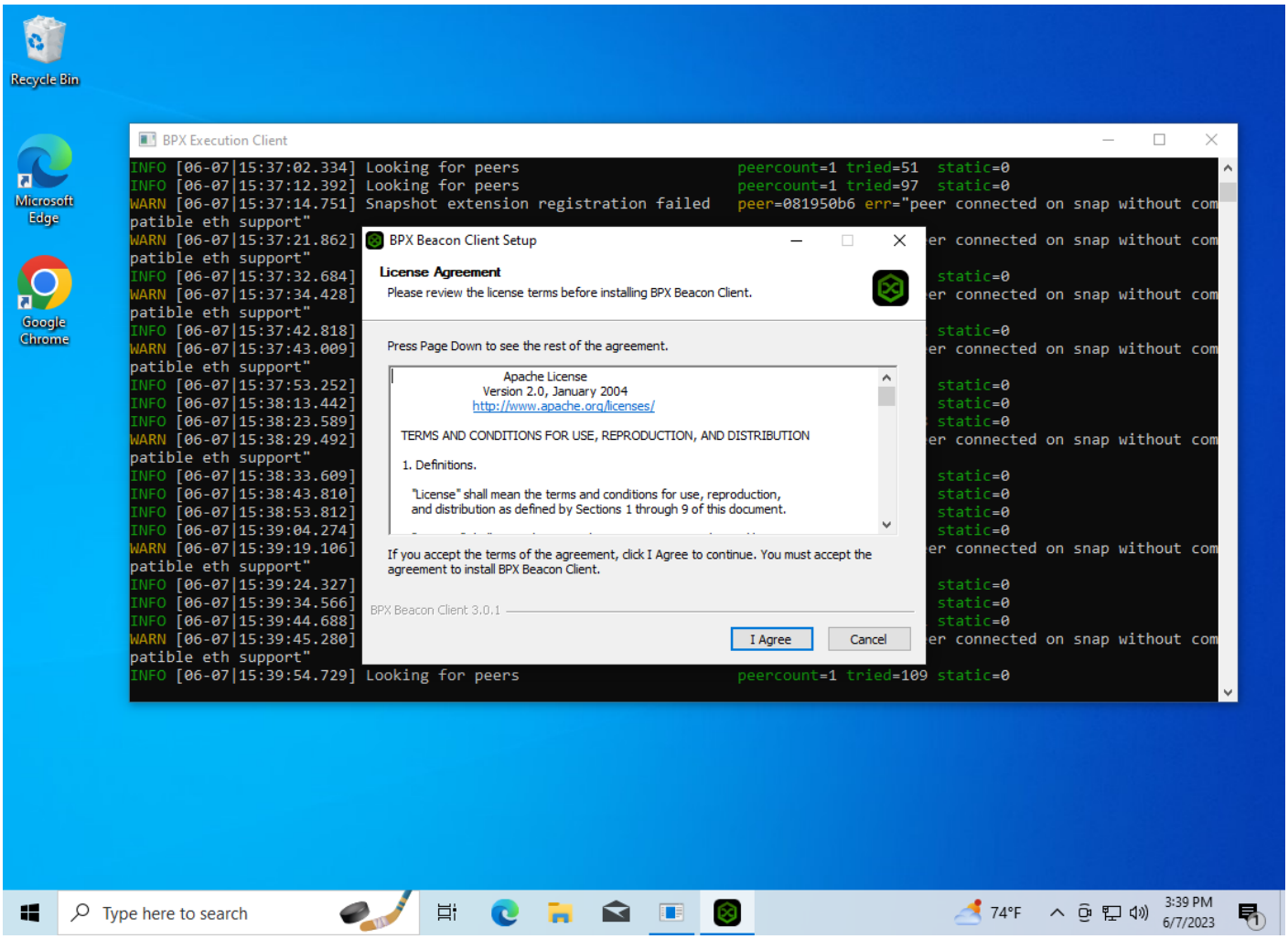
5. Allow the Windows Firewall to open the execution client port. The execution client will start, and you should see its console window.

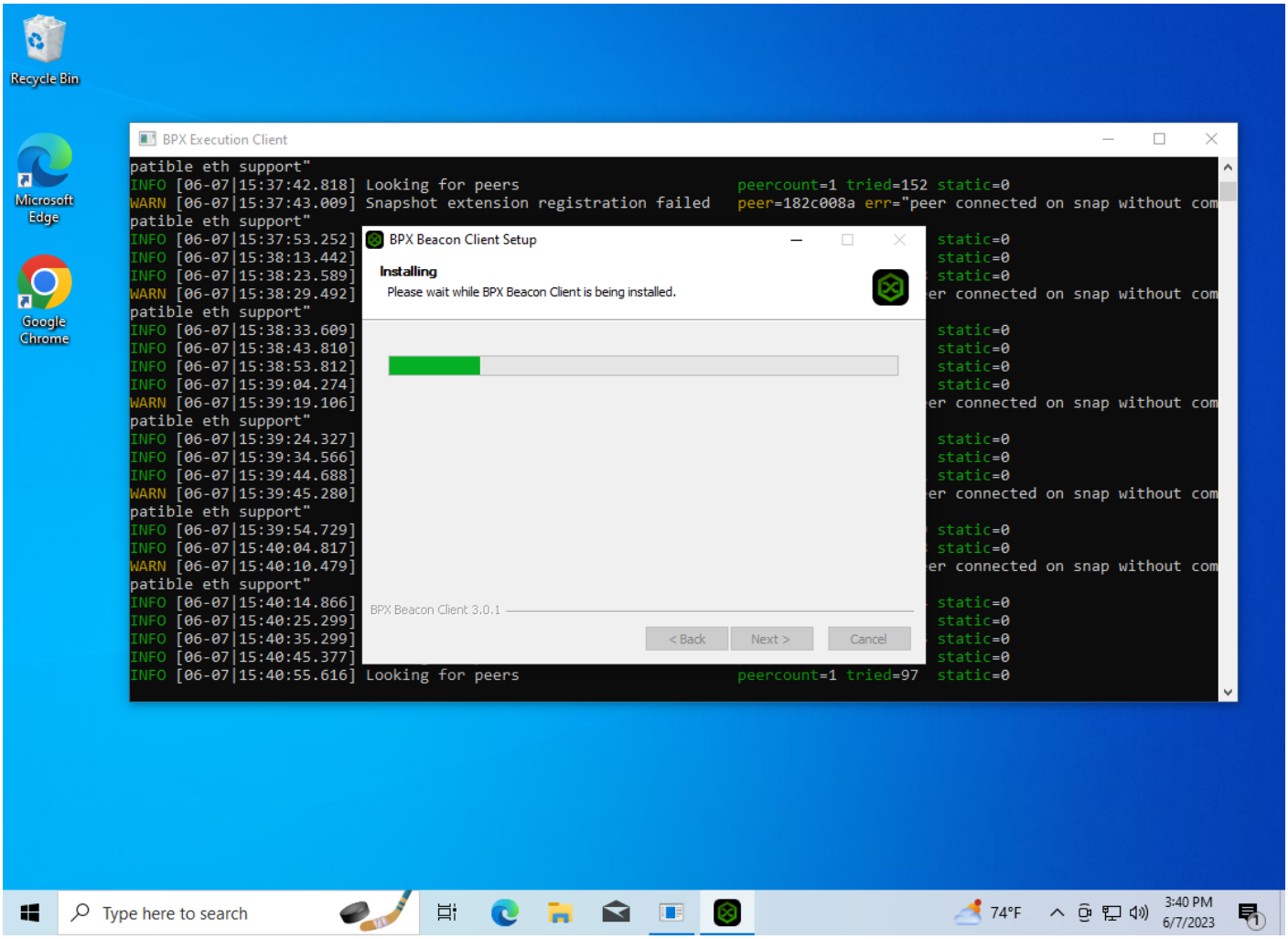

Recycle Bin
Microsoft Edge
Google Chrome
BPX Execution Client
INFO [06-07|15:35:39.789] Loaded most recent local block number=0 hash=3a40b6..7d8896 td=0 age=54y2mo2w
WARN [06-07|15:35:39.887] Failed to load snapshot err="missing or corrupted snapshot"
INFO [06-07|15:35:39.982] Rebuilding state snapshot
INFO [06-07|15:35:40.007] Regenerated local transaction journal transactions=0 accounts=0
INFO [06-07|15:35:40.047] Chain post-merge, sync via beacon client
Windows Security Alert
Windows Defender Firewall has blocked some features of this app
Windows Defender Firewall has blocked some features of bpx-geth on all public and private networks.
Name: bpx-geth
Publisher: Unknown
Path: C:\program files\bpx execution client\bpx-geth.exe
Allow bpx-geth to communicate on these networks:
Private networks, such as my home or work network
Public networks, such as those in airports and coffee shops (not recommended because these networks often have little or no security)
What are the risks of allowing an app through a firewall?
Allow access
Cancel
Type here to search
74°F
3:35 PM
6/7/2023



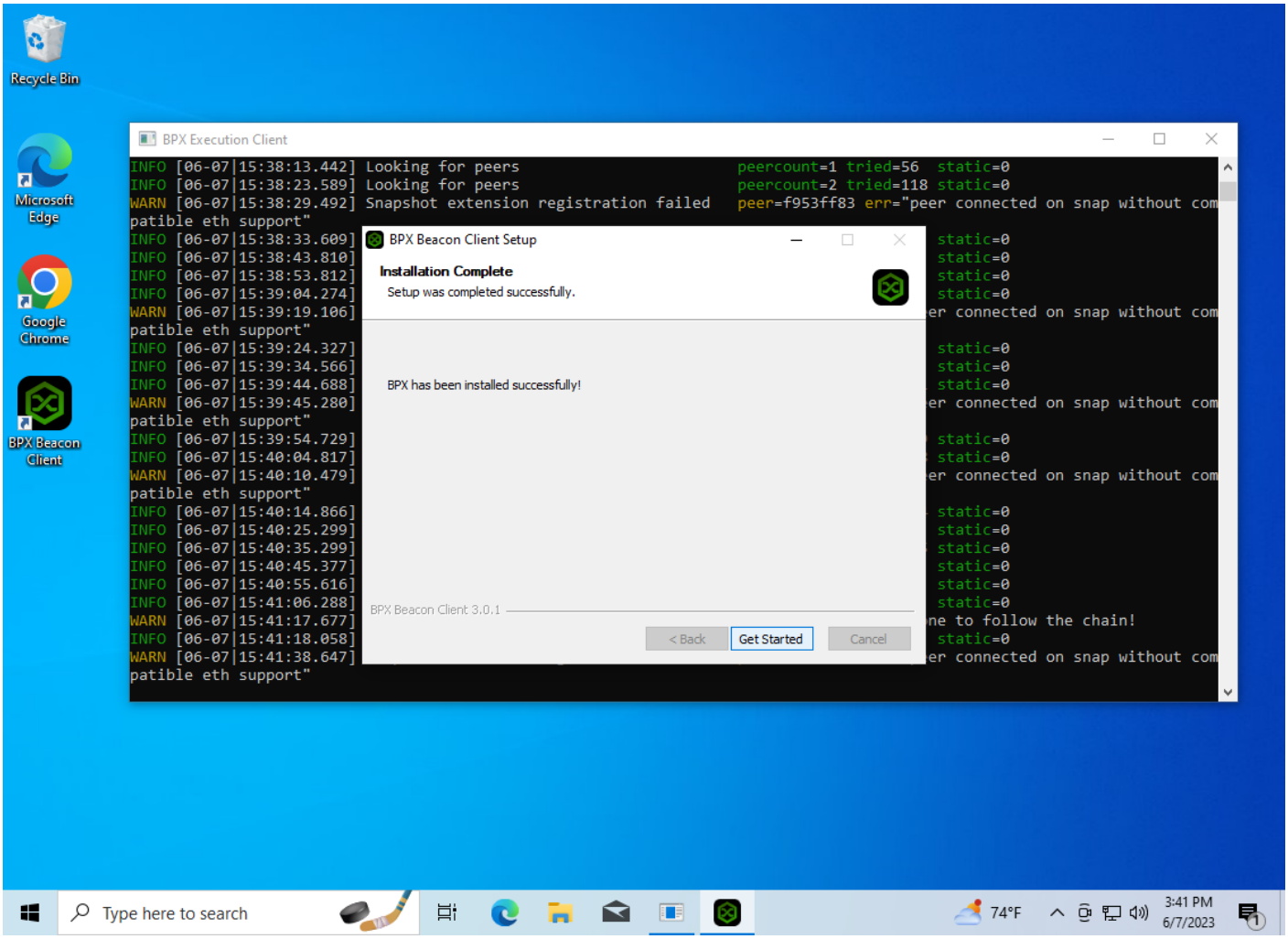
6. Now run the **Beacon Client** installer. Navigate through the Microsoft Defender pop-ups as before.

7. Accept the license agreement and proceed through the subsequent installation steps.

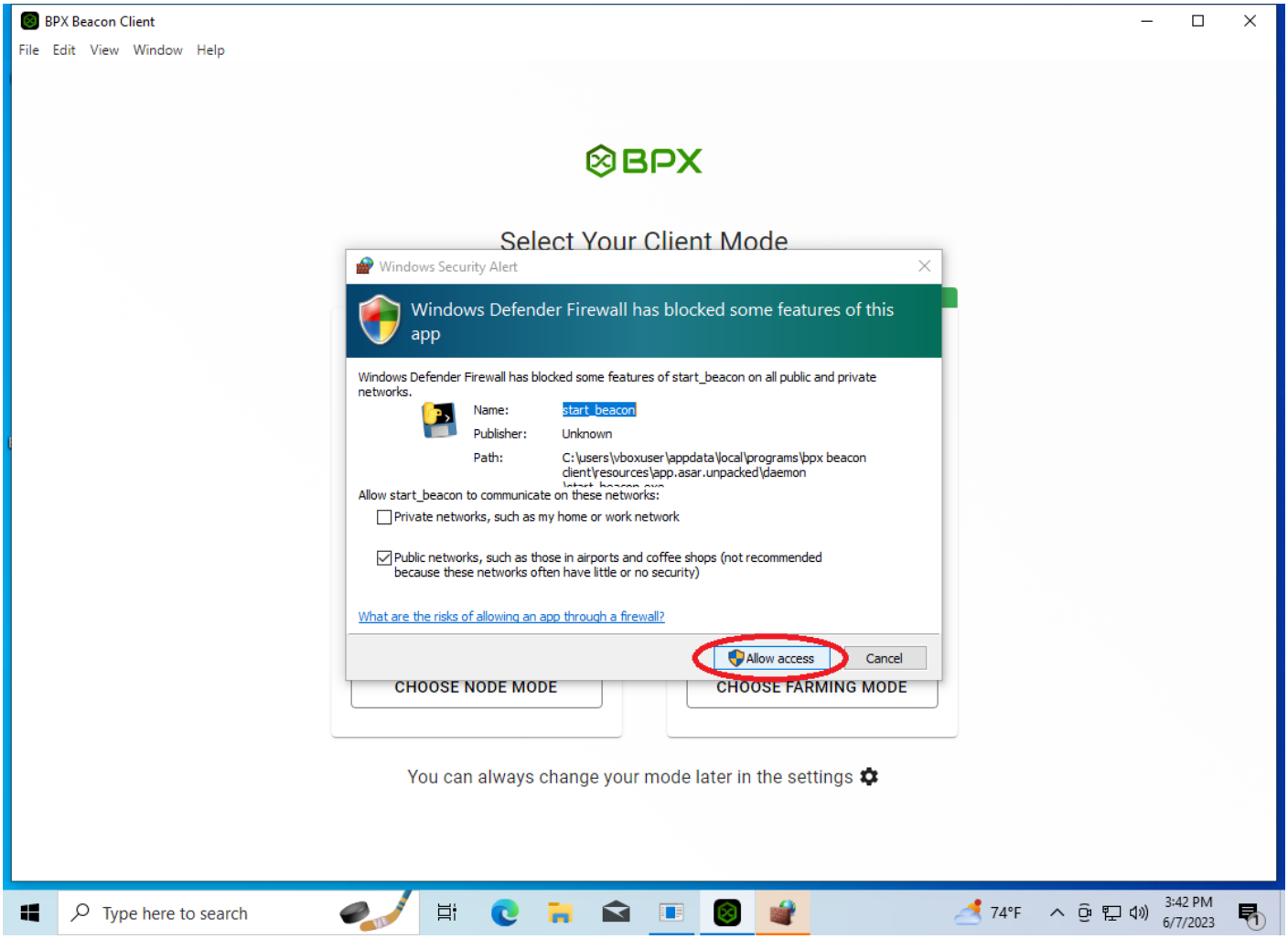

Recycle Bin
Microsoft Edge
Google Chrome
BPX Execution Client
INFO [06-07|15:37:02.334] Looking for peers peercount=1 tried=51 static=0
INFO [06-07|15:37:12.392] Looking for peers peercount=1 tried=97 static=0
WARN [06-07|15:37:14.751] Snapshot extension registration failed peer=081950b6 err="peer connected on snap without compatible eth support"
WARN [06-07|15:37:21.862] peer connected on snap without compatible eth support"
INFO [06-07|15:37:32.684] static=0
WARN [06-07|15:37:34.428] peer connected on snap without compatible eth support"
INFO [06-07|15:37:42.818] static=0
WARN [06-07|15:37:43.009] peer connected on snap without compatible eth support"
INFO [06-07|15:37:53.252] static=0
INFO [06-07|15:38:13.442] static=0
INFO [06-07|15:38:23.589] static=0
WARN [06-07|15:38:29.492] peer connected on snap without compatible eth support"
INFO [06-07|15:38:33.609] static=0
INFO [06-07|15:38:43.810] static=0
INFO [06-07|15:38:53.812] static=0
INFO [06-07|15:39:04.274] static=0
WARN [06-07|15:39:19.106] peer connected on snap without compatible eth support"
INFO [06-07|15:39:24.327] static=0
INFO [06-07|15:39:34.566] static=0
INFO [06-07|15:39:44.688] static=0
WARN [06-07|15:39:45.280] peer connected on snap without compatible eth support"
INFO [06-07|15:39:54.729] Looking for peers peercount=1 tried=109 static=0
BPX Beacon Client Setup
License Agreement
Please review the license terms before installing BPX Beacon Client.
Press Page Down to see the rest of the agreement.
Apache License
Version 2.0, January 2004
http://www.apache.org/licenses/
TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION
1. Definitions.
"License" shall mean the terms and conditions for use, reproduction, and distribution as defined by Sections 1 through 9 of this document.
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install BPX Beacon Client.
BPX Beacon Client 3.0.1
I Agree
Cancel
Type here to search
74°F
3:39 PM
6/7/2023



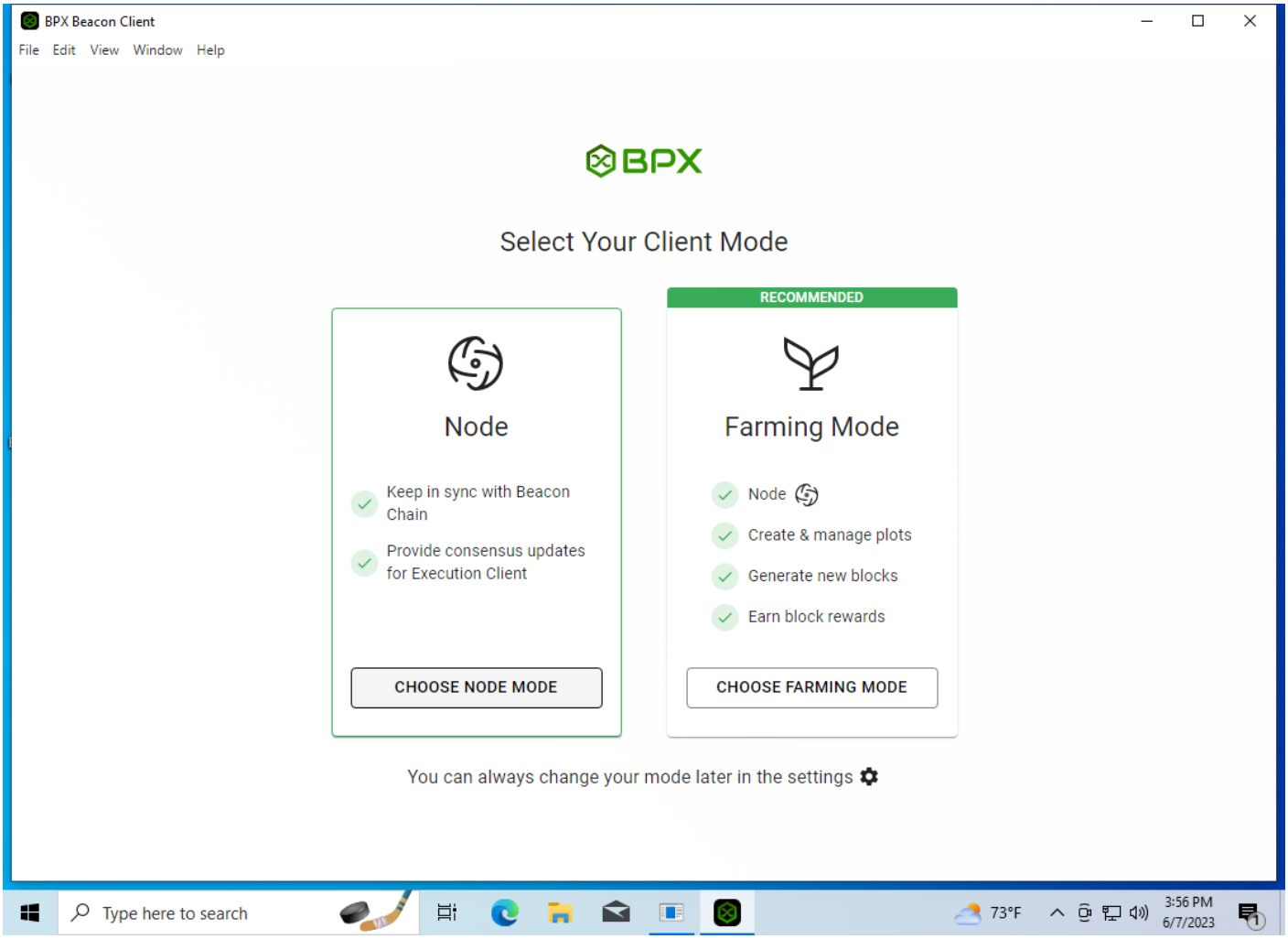
8. Once the installation is complete, click the "**Get Started**" button.



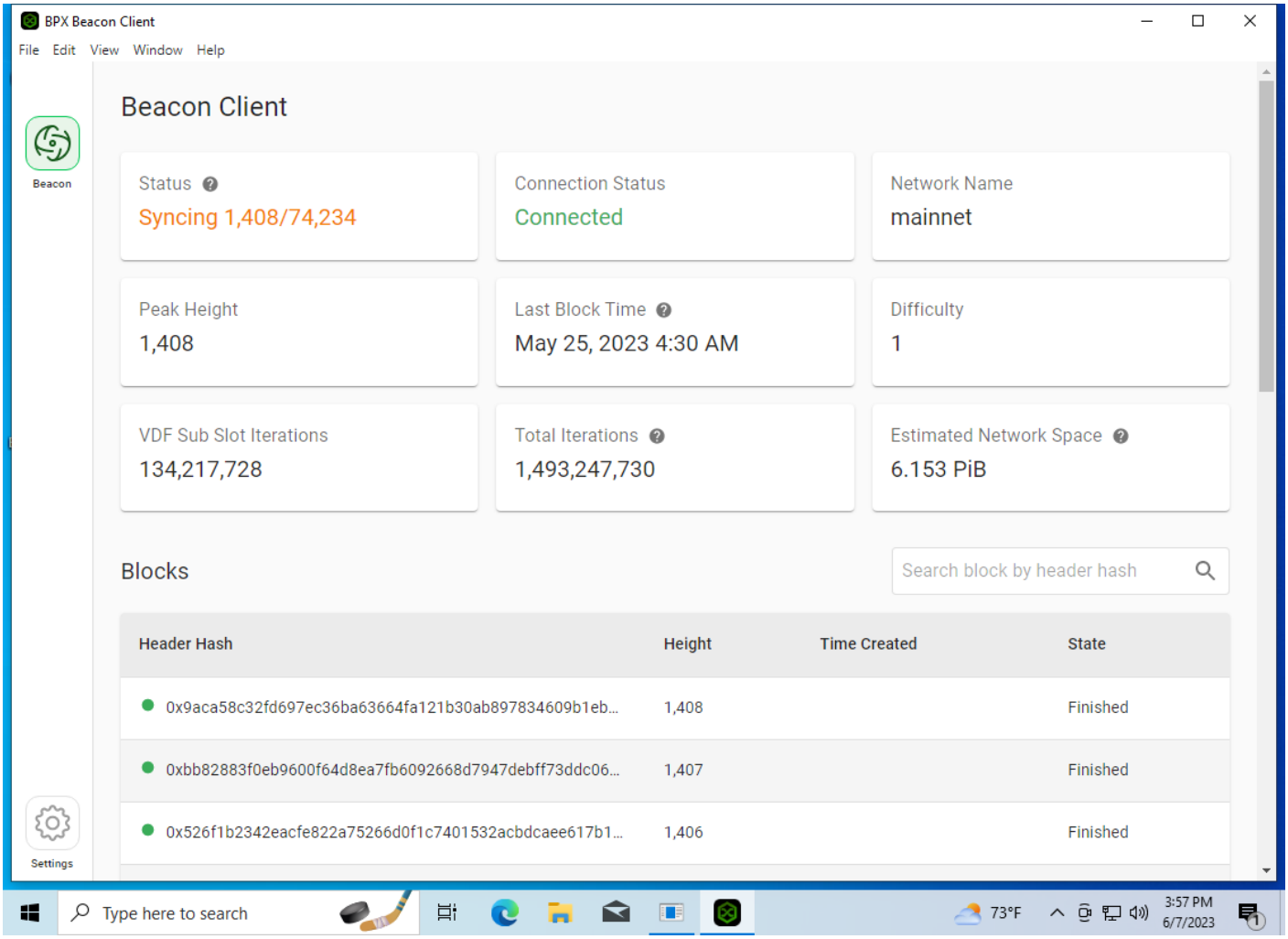
9. Allow to open the required port as before.

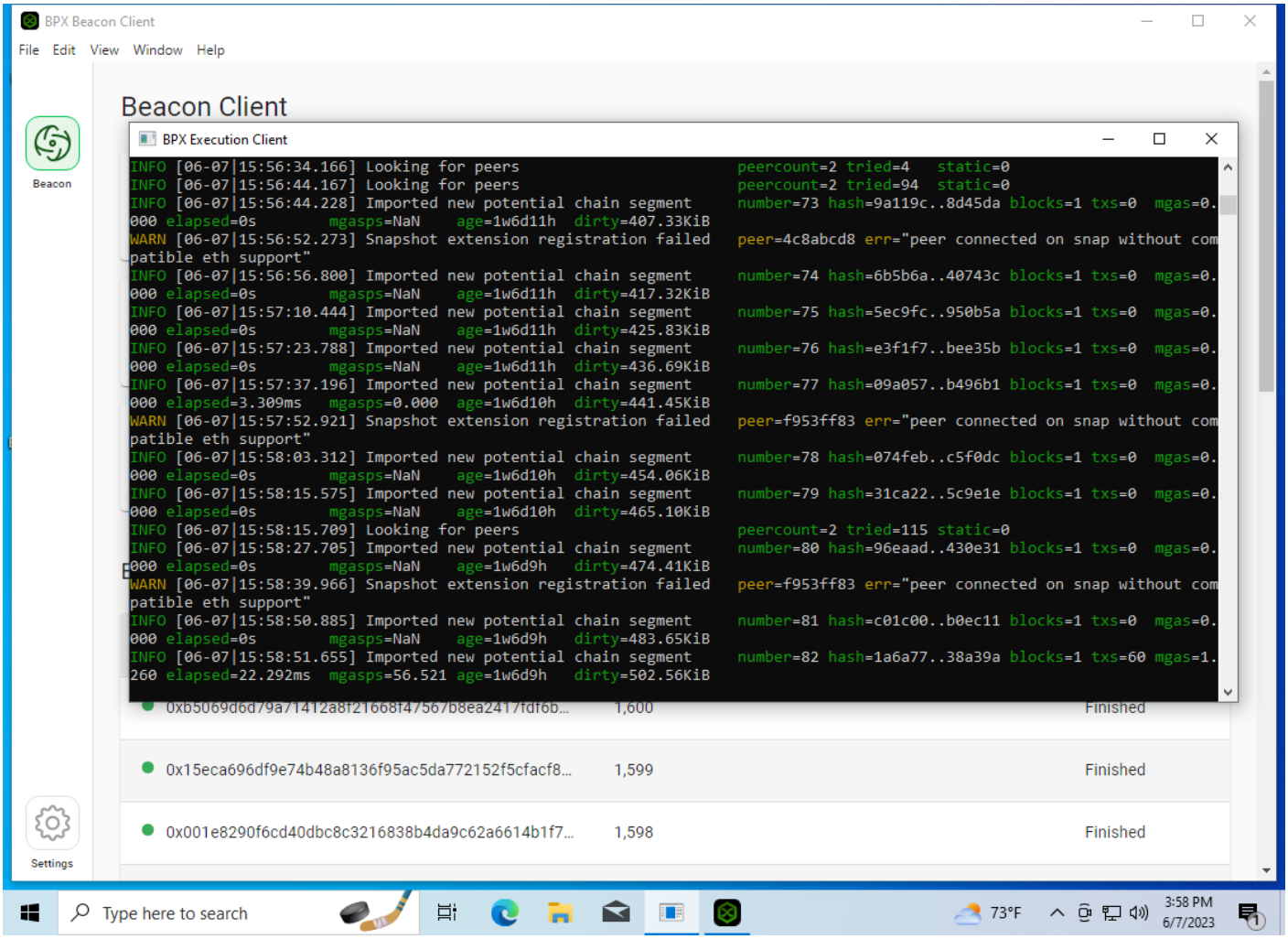


10. Beacon Client GUI will be launched. Select the **Node** mode.

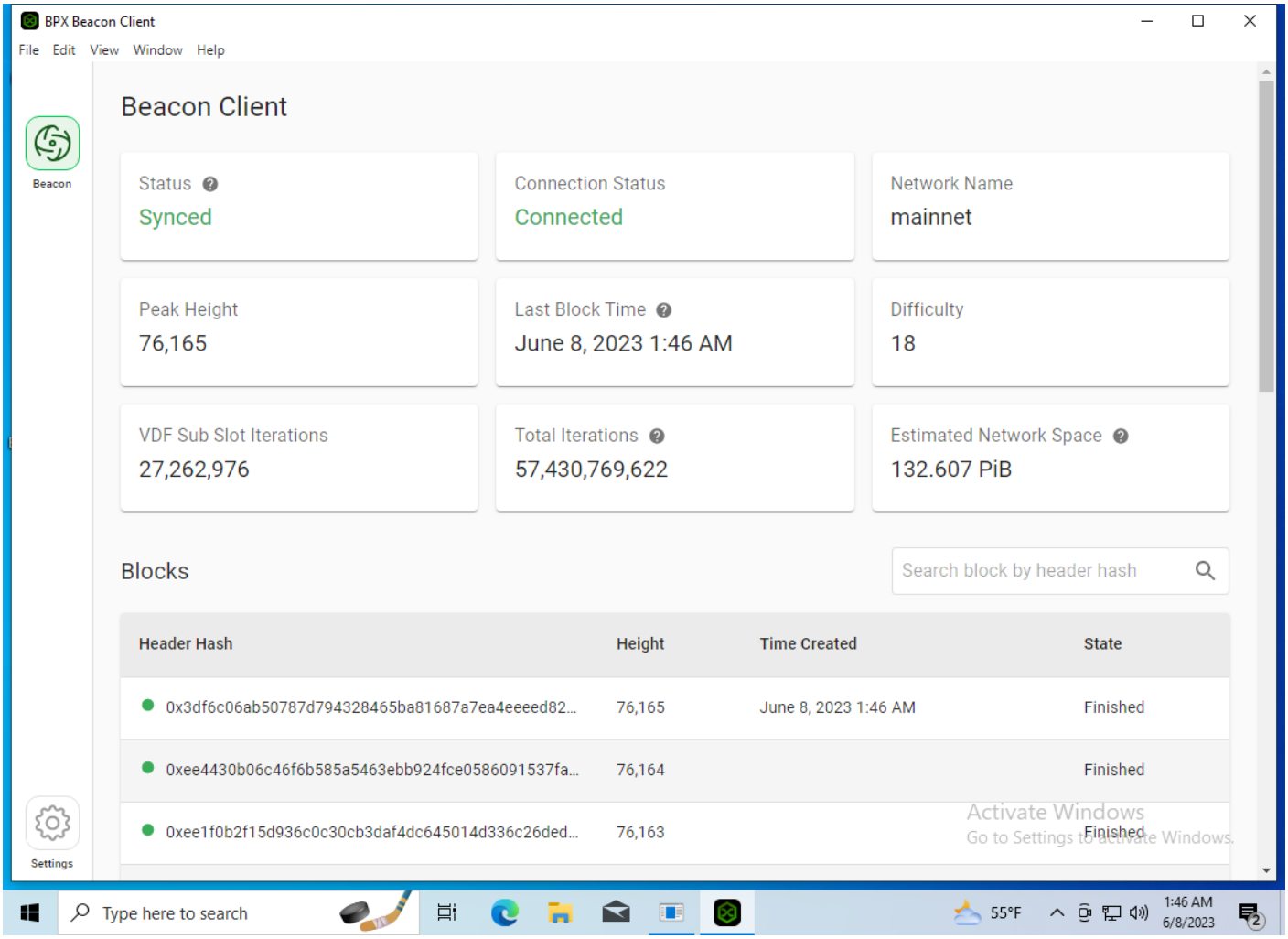


11. At this point, both clients will begin synchronizing with the network. This process may take several hours or even days.

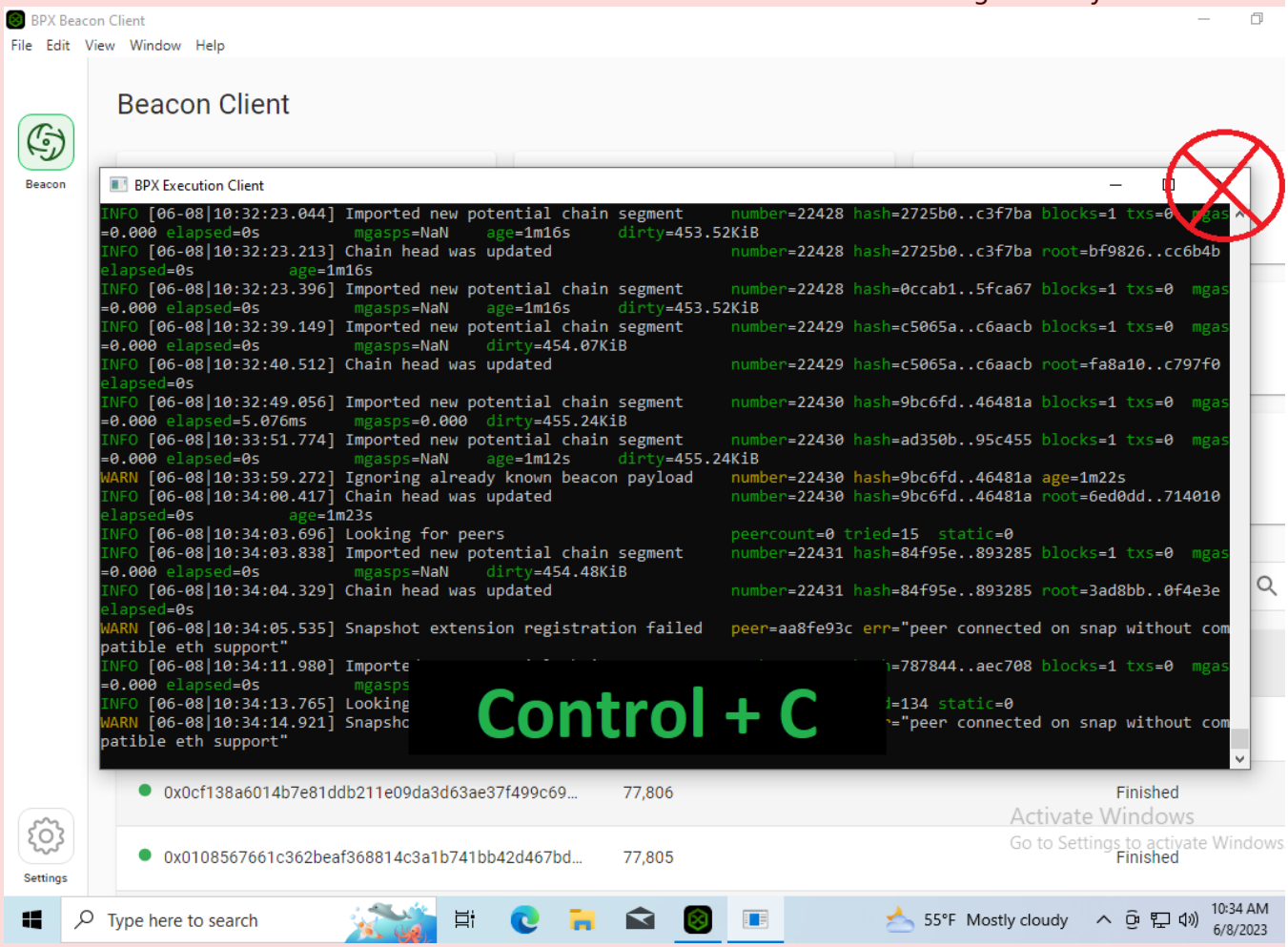

BPX Beacon Client
File Edit View Window Help
Beacon
Beacon Client
Status
Syncing 1,408/74,234
Connection Status
Connected
Network Name
mainnet
Peak Height
1,408
Last Block Time
May 25, 2023 4:30 AM
Difficulty
1
VDF Sub Slot Iterations
134,217,728
Total Iterations
1,493,247,730
Estimated Network Space
6.153 PiB
Blocks
Search block by header hash
Header Hash
Height
Time Created
State
0x9aca58c32fd697ec36ba63664fa121b30ab897834609b1eb...
1,408
Finished
0xbb82883f0eb9600f64d8ea7fb6092668d7947debff73ddc06...
1,407
Finished
0x526f1b2342eacfe822a75266d0f1c7401532acbdcaee617b1...
1,406
Finished
Settings
Type here to search
73°F
3:57 PM
6/7/2023



12. Once synchronization is complete, your full node will be ready to operate.


BPX Beacon Client
File Edit View Window Help
Beacon
Beacon Client
Status
Synced
Connection Status
Connected
Network Name
mainnet
Peak Height
76,165
Last Block Time
June 8, 2023 1:46 AM
Difficulty
18
VDF Sub Slot Iterations
27,262,976
Total Iterations
57,430,769,622
Estimated Network Space
132.607 PiB
Blocks
Search block by header hash
Header Hash
Height
Time Created
State
0x3df6c06ab50787d794328465ba81687a7ea4eeeed82...
76,165
June 8, 2023 1:46 AM
Finished
0xee4430b06c46f6b585a5463ebb924fce0586091537fa...
76,164
Finished
0xee1f0b2f15d936c0c30cb3daf4dc645014d336c26ded...
76,163
Finished
Activate Windows
Go to Settings to activate Windows.
Settings
Type here to search
55°F
1:46 AM
6/8/2023

Never stop the **Execution Client** by closing the console window. Instead, use the **Control + C** shortcut and wait for the client to save all data to disk and shut down gracefully.



Revision #10
Created 7 June 2023 11:15:51 by Admin
Updated 4 November 2024 12:41:29 by Admin