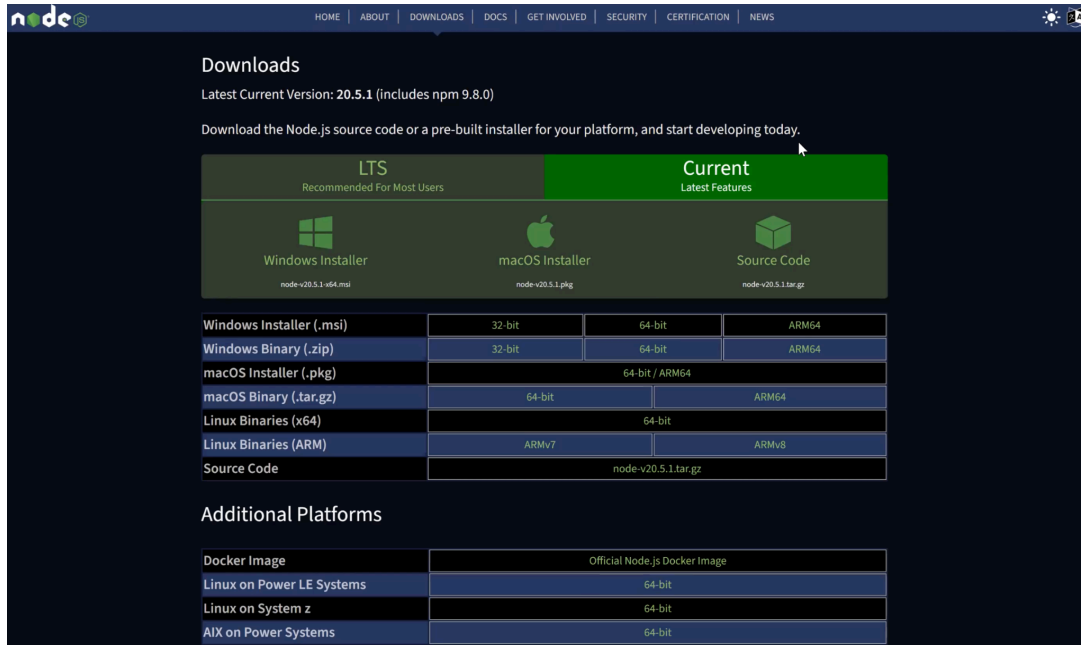


P18 - TRANSCRIPT NODE.JS

00:04

Okay so, installing node ***opens a new tab on the web and types "node.js"*** I am just because I like it, I'm gonna check if I have chocolatey and I think I do. Yep. So I could install it through chocolatey, but I think when I last installed it, I did it through the website. So I'm gonna do that again.



source: <https://nodejs.org/en/download/current>

00:34

I will pick, this one "recommended for most users". Just looking at the random options... yea, so I know that MSI is like, pretty easy ***clicks on the windows installer .msi option*** It's just like one click. So I will be doing that. Windows. Yeah, I'm just gonna go oh, wait. Actually, I will cancel that, because I'm on a 64 bit system. ***changes to the 64bit one***

01:07

Observer: When you are searching for installation instructions? Do you usually go first, like, you look first at the official website or do you prefer the sources like

01:17

typically, I prefer if since I have heard of Node, I will look for an official website based on the assumption that since it is prolific and industry, they, I assume that they will have like adequate

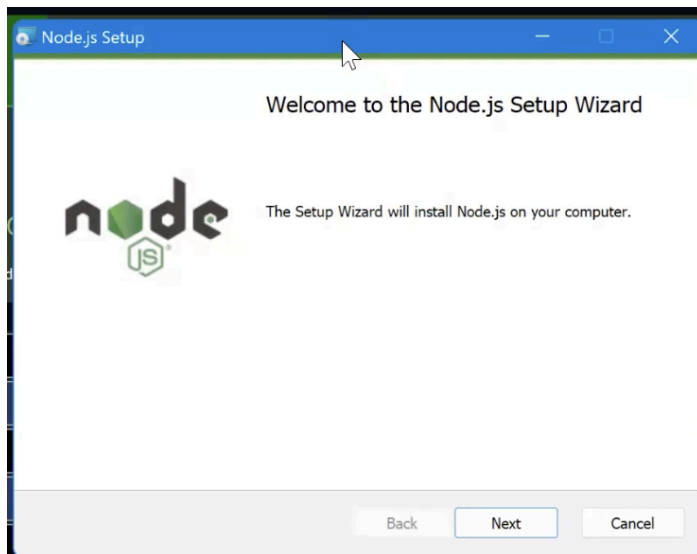
documentation for install. But there are other tools in the past where, you know, I It's kind of obscure, there's something else it's only the other day called a C and TLM, which is for like proxy bypass. It was super obscure, the official documentation was pointless. So I had to look around elsewhere digressed a little bit.

02:03

I'll I mean, if if they don't have official, then I'll see if it's in chocolaty, specifically, just because that's the only Windows package manager I'm familiar with. Or I'll see if they have like, sometimes there's a power shell. Like, winget some packages, I can use it when get, which is for Windows and then but yeah, that's that's usually it. I won't. I don't do stuff like curl or whatever. Not really, unless I have to. But yeah, yeah, as you described, if it's a it's popular, well known to log on the official website, otherwise I think I'm just gonna click open ***the file is still downloading, but shows that the progress is at the very end.***

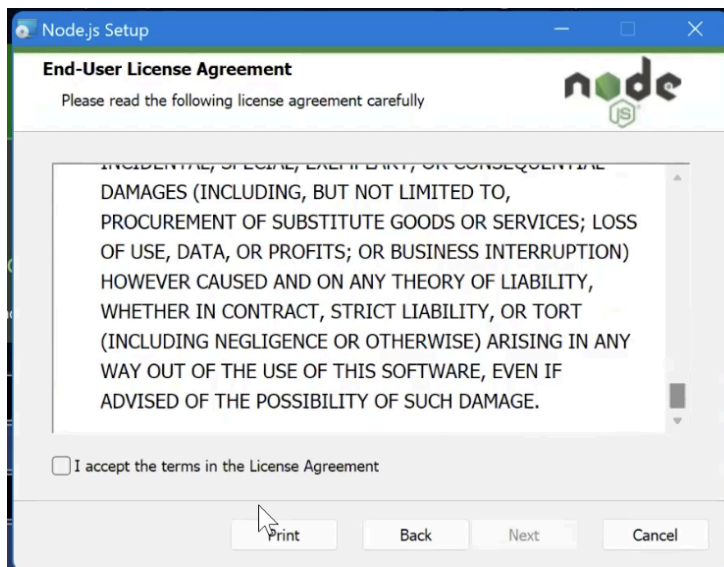
03:16

not really thinking anything to be honest. ***file finishes installing and he opens it*** Okay. So clicking open. Alright. ***opens the file and starts the installation process***



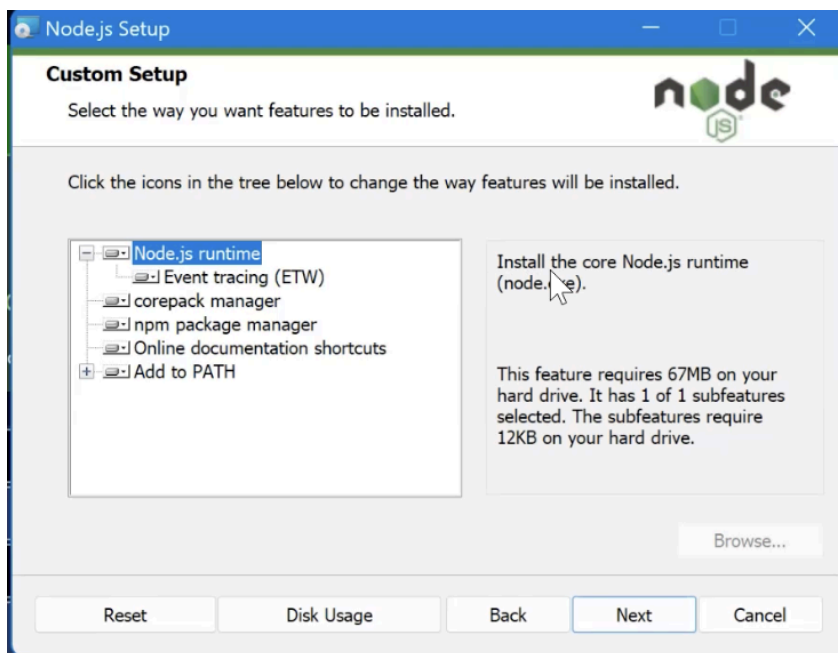
source: .exe file

a license agreement message opens



Observer: Do you read?

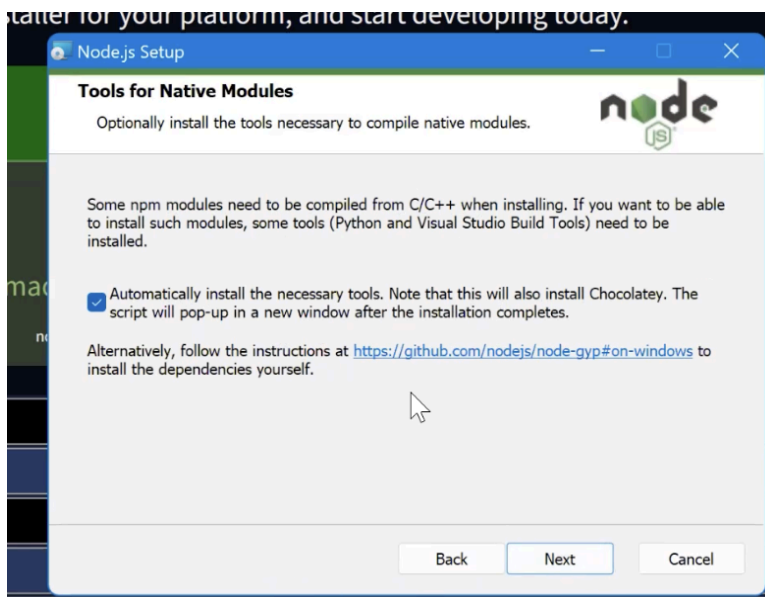
No. So I'll just scroll to the bottom, and then I'll accept that. Hopefully, it's fine. Again, like Node is well known. I mean, if I was installing something, maybe a bit sketchy. Maybe I'll just like, think more about it. But for now... Yeah, so usually, I'll this is a default directory, and I'll just keep it in default. I'm not gonna lie, I have no idea what like they'll program files and program files x86 is I don't even know what that means. So I'll use whatever the default is. I'll do that.



source: .exe file

04:26

Okay. So install core Node js runtime... **he spends some time reading the custom setup window** this this stuff kind of does confuse me a little bit. This these. It's, I don't really, I don't really get what it means. I mean, like, if I if I click the other will be installed on local hard drive entire feature will be installed. Like, what's the difference? So that that I sort of don't understand this kind of option? "feature will be installed." Okay. Alright, so it's like a specific sub component install support for event tracing events. Yeah, I mean, that's like kind of a yeah, whatever it sounds okay. Maybe that's like mildly useful. So I'll just keep it but like, this kind of is unclear to me If so, like, if I just click it. Like I actually didn't know that. Yeah, I'm not sure which, which one has actually. **he tries to read the page and click on the + icons** Okay. All right. So I guess it changes the icon. Oh, it's I mean, it's tiny. But these two I can't really see. So, like, when I click this one, I can't see that it's has that little icon, whereas this one does. So yeah, look, I mean, that's interesting about Yeah, I guess I will do this will be installed on local entire feature will. Okay, I guess. Yep. That's, I'll keep that. Assume that's for like NPM node package manager. So I'll keep up. can play with that? I will. Yeah. It's fine. Yep. So that's fine. And not Yes, I do want to add it. Now, if I looked around in this okay. Yeah, I mean, it's just configurations. Yeah, it's fine. I figured out. I don't really usually look at this other stuff. **he proceeds to the next step after reading very carefully all of the options from the custom setup window**



source: .exe file

06:21

See what it's doing. I needed to be installed. So yeah, I will. We'll also install chocolaty, right. So the scripts will pop up. Yep. So that's fine. Yes, so I do already have chocolaty and the fact that it has said it would do this. Like, maybe, maybe it would have been quicker to install it directly from chocolaty, I'm not sure. Okay.

06:55

I just had to get like an admin approval.

07:15

Observer: Do you usually prefer installing things using like the terminal the PowerShell? Or, like the way you did that? Which is like a more straightforward way? Which one do you prefer?

07:30

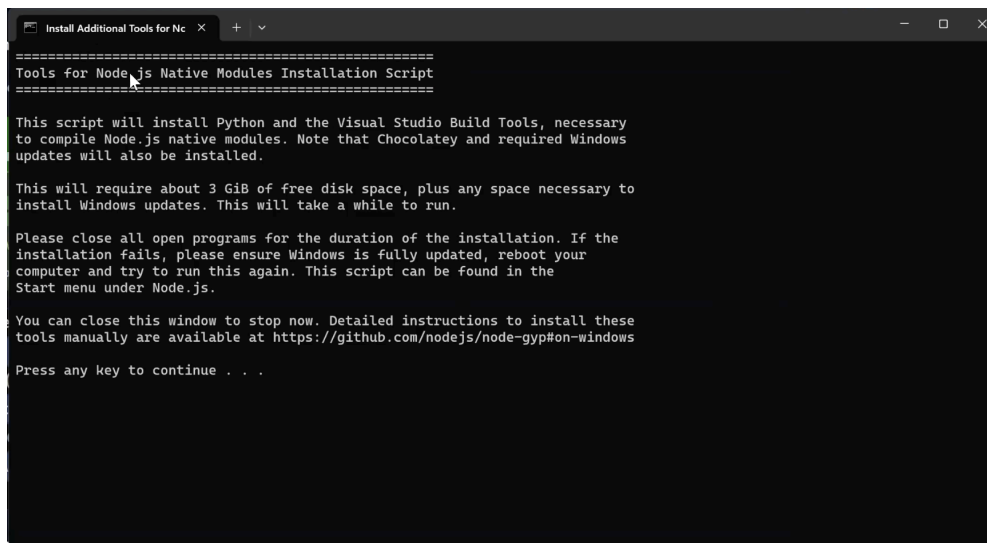
Oh, that's a good question. I think I like the, when you call them the, the text or the ASCII art in in terminal installations, I think it's like, very satisfying to see. And that's like, you know, maybe it's a bit weird. But yeah, that's like, quite satisfying. I think since this is Node, since I know node is like a back-end server kind of technology. I mean, you know, it's like, I would like to install it directly. Because then maybe I feel like I would have more. I feel like it's easier when you use a GUI installer to like, configure things like the install. So that stuff that said before, like, sure I don't. I mean, I read them and I kind of get it ended up cooking around. It's kind of weird, but I think configuring that would be even, like, I mean, it will be trickier if I was to do that in a CLI. Like in command line. I think I got configuring whatever random yesterday, that will be like kind of weird. See if the package is like small. Yeah, actually, I can't remember the last time I was totally but I have. It's I think I usually use package managers as a backup when something is like, kind of nebulous. Yeah, I don't know. Does that sort of make sense?

08:49

Observer: Yeah, it makes sense.

08:53

I feel like I have more control when I can click around in the GUI. Alright, so it did tell me it was going to open a script, so that's fine. ***after completing the installation, a new tab on the terminal automatically opens***



```
=====  
Tools for Node.js Native Modules Installation Script  
=====
```

This script will install Python and the Visual Studio Build Tools, necessary to compile Node.js native modules. Note that Chocolatey and required Windows updates will also be installed.

This will require about 3 GiB of free disk space, plus any space necessary to install Windows updates. This will take a while to run.

Please close all open programs for the duration of the installation. If the installation fails, please ensure Windows is fully updated, reboot your computer and try to run this again. This script can be found in the Start menu under Node.js.

You can close this window to stop now. Detailed instructions to install these tools manually are available at <https://github.com/nodejs/node-gyp#on-windows>

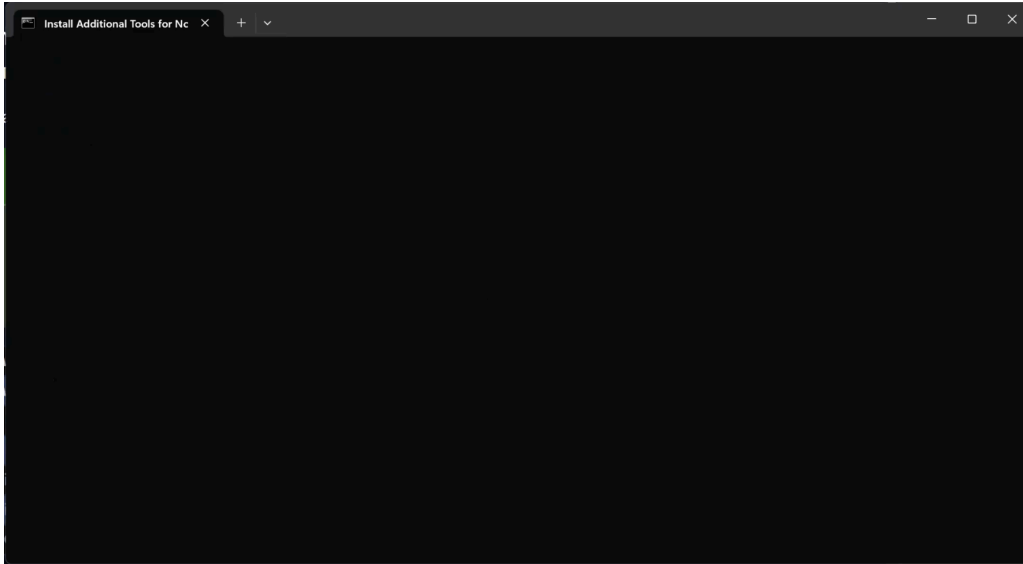
Press any key to continue . . .

source: terminal

he reads the page carefully

It has done it in command line, which is okay, so I already have Python and I guess I might not have the build tools... chocolatey and regard. Yep, that's fine. That's, that's quite high. I'm surprised by that. It's probably to do with Visual Studio plus any space necessary to install Windows updates. I mean, this is kind of a net like, I don't care that they've said that but it's kind of random.**he reads the part "Note that Chocolatey and required windows updates will also be installed"** Like what does that mean? Okay, like why would there be any mandatory updates? Please close all I'm not gonna close it. can close this? Sorry, I will not close it. Okay, Just didn't do anything I clicked into. So I'll click again

he clicks enter and a new terminal tab opens, but it's all black



10:09

No idea why nothing's on the screen. Another another user account approval. So yes. Right now that this is still nothing, okay. Yep. Yeah, so chocolatey found no surprise. And like an hour, I'll just, I'll just wait. **a new powershell tab opens and starts the installation**

```
Administrator: Windows PowerShell
WARNING: 'choco' was found at 'C:\ProgramData\chocolatey\bin\choco.exe'.
WARNING: An existing Chocolatey installation was detected. Installation will not continue.
For security reasons, this script will not overwrite existing installations.

Please use choco upgrade chocolatey to handle upgrades of Chocolatey itself.
If the existing installation is not functional or a prior installation did not complete, follow these steps:
- Backup the files at the path listed above so you can restore your previous installation if needed
- Remove the existing installation manually
- Rerun this installation script
- Reinstall any packages previously installed, if needed (refer to the lib folder in the backup)

Once installation is completed, the backup folder is no longer needed and can be deleted.

Chocolatey v1.2.1
Upgrading the following packages:
python;visualstudio2019-workload-vctools
By upgrading, you accept licenses for the packages.

You have python v3.10.6 installed. Version 3.11.4 is available based on your source(s).
Progress: Downloading python3 3.11.4... 100%
Progress: Downloading python311 3.11.4... 96%
```

source: windows powershell output

I have this the percentage. counters are like quite satisfying arts and **he reads the output while is still processing** so I apparently certainly already have Python. So I'm not sure. Maybe I don't have that specific version. Okay. Now it's doing something. So

11:00

that requires a different version by

11:03

Yeah, I guess 311? No idea what Python 3.11. Is?

11:13

Observer: Do you usually have problems? Do you use a lot of like Python tools?

11:19

In the past? Not recently. But I do use Anaconda for my Python distribution.

11:30

Observer: And do you have problems like, or have you ever had a problem with like different versions and the different source they use?

11:41

You need them like a yaml configuration like that. with Python? Not, I guess, not necessarily about in general. Yeah, I have. I had a massive issue recently with JDK where it took me a while to realize that, but it's still this is taking a while. Um, I'm surprised it's taken this long. Okay. Yeah, I was doing a project with **Spring Boot**. And took me a long time to configure. You know, figuring out just like which JDK I have, I guess, just Java dash version, but then finding out where it is. And then you have to like add a Java home to your Windows path, which is this thing that took me ages to figure out, okay, go into your system variables and add this thing so that Vyas code is aware of it when I run a Maven build kind. So yeah, that stuff is pretty annoying. And that was a couple of weeks ago, that was like for yet. But you know, something, my friend told me that it's better in IntelliJ. But then, which makes sense, I guess.

Yeah, so I guess thinking aloud, yeah, this is taking longer than I would expect the fact that it doesn't have anything on screen ***the installation process is stuck and the terminal doesn't show any feedback on the installation***


```
Select Administrator: Windows PowerShell
WARNING: 'choco' was found at 'C:\ProgramData\chocolatey\bin\choco.exe'.
WARNING: An existing Chocolatey installation was detected. Installation will not continue.
For security reasons, this script will not overwrite existing installations.

Please use choco upgrade chocolatey to handle upgrades of Chocolatey itself.
If the existing installation is not functional or a prior installation did not complete, follow these steps:
- Backup the files at the path listed above so you can restore your previous installation if needed
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- Rerun this installation script
- Reinstall any packages previously installed, if needed (refer to the lib folder in the backup)

Once installation is completed, the backup folder is no longer needed and can be deleted.
Chocolatey v1.2.1
Upgrading the following packages:
python;visualstudio2019-workload-vctools
By upgrading, you accept licenses for the packages.

You have python v3.10.6 installed. Version 3.11.4 is available based on your source(s).
Progress: Downloading python3 3.11.4... 100%
Progress: Downloading python311 3.11.4... 100%
Progress: Downloading python 3.11.4... 100%
python311 v3.11.4 [Approved]
python311 package files upgrade completed. Performing other installation steps.
Installing 64-bit python311...
```

source: terminal output

I feel like there should be one of these. I mean, how do I really have any sort of feedback, anything? I mean, sometimes I'll just sort of randomly click enter **clicks enter randomly**

finishes processing in a few seconds after he clicked enter Okay, so now it's been sold. Okay, so it's maybe what? The upgrade? Yeah, whatever. It's a lot of a I wouldn't really read a lot of this stuff. It's just like, Okay. Chocolatey upgraded three or four. Did you know that? Type hints are it's I'm just ignoring that your sounds okay.

```
Chocolatey upgraded 3/4 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).

Did you know the proceeds of Pro (and some proceeds from other
licensed editions) go into bettering the community infrastructure?
Your support ensures an active community, keeps Chocolatey tip-top,
plus it nets you some awesome features!
https://chocolatey.org/compare
Type ENTER to exit: _
```

source: terminal output

he clicks enter to exit the page and nothing happens for a few seconds Enter, nothing happened. **the page closed**

14:02

So, now I'm I would, I will check the node is installed through here. **opens a terminal tab and types "node -version"** Now, I know that that okay, so So it's clearly installed. And I can see that it's in your version. So that's, that's good. Because I would have had to do this down the line probably anyway. Yeah, usually I just do like, dash dash version. That's usually the command. So

yes, it worked here, but I kind of assumed that it would work. Although I knew it would be. So that's what I did. Okay.

Observer: Could you describe the challenges they face during the installation process?

14:36

I think downloading the installer was fine. The MSI image was okay. It was what I expected. I think the node website was fine as well. Now I know my system is 64 bit so that's why I clicked that. I'm not going to pretend that I fully know what like if I click the 32 bit I don't know what would happen maybe would just say like this is invalid because You don't have this kind of system. So that's just an assumption that I just generally make. I think the only challenge was a two challenges. First was the, you know, when like, it has those options with the random icons. And like you click it says this feature will be installed, locally, the entire feature will be installed. I don't know. Like, I feel like that's not fully not properly communicated. Like the, I guess thinking about it, it's the top two will be installed. Look, I actually don't get the difference. It seems to be explaining the same thing will be installed locally, entire feature will be like, I don't know what that even means. And then like, yeah, the icon thing, I think that was weird. I would prefer like a checklist. Usually, that's something that's there. I'm not sure what that one was. Yeah, so that was weird. I just sort of went with it. But you know, kind of not 100% knowing what I was doing, I just clicked over, I just let it let it happen. Second challenge was, yeah, the PowerShell lack of info. So it told me I was gonna open the script about the lack of output when it was installing the Python 311 which, I guess is Python version 3.1 point one, probably whatever. But at the same time, I do know that that's not there, they're using chocolatey to do that. So I guess they can't control the output from chocolatey, but, you know, maybe the command they used in their whatever script to run the script, you know, they could have done better that maybe those are the only challenges

16:37

Observer: and well, you've mentioned some of them already, but hat strategies did you apply for the challenges?

16:45

So for the clicking around of, I guess, it's like extra features just sort of I mean, I kept looking at all about it. And you know, I mean I eventually I saw that if you click some of the bottom ones the icon changes so that means that okay, it's gonna do this icon which is I can't remember what the icon set but yeah, there was like a box with exclamation marks it said okay, you click that one and it changes the icon. So I said okay, you know, that's probably what was going on in my mind, but you know, if I click it then we'll do the icon with the top two I did notice that when I clicked I can't remember who was there will be installed the entire one that they would all sort of the icons would all flash like just for a split second. So I guess that's why I'm saying for like maybe entire feature is just saying it's going to install all of them like everything and then will be installed is only the specific one year on maybe. So yeah, I think what I the way I got around is just clicking the entire feature. So I just accepted that just install everything. And then for the other one, yeah, I clicked enter one time, which is just returns cursor, I guess, to the the typing point. And then I just hit it again. But I have a feeling it didn't do anything. So yeah, that's that's what I did.