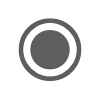
**Teams Meeting VS Code for IT Admins Exploring and Managing Azure Without Being a Developer-20251027\_120530-Meeting Recording**

October 27, 2025, 10:05AM

55m 55s

 **Nicolas Blank** started transcription

 **Nicolas Blank** 0:03  
Recording and transcription. Beautiful. Very good. All right. So as people trundle in, let me kick us off and just talk us through why we are here today. First of all, welcome everyone. It's lovely, lovely to see everyone and I want to celebrate the Shade success of the.  
South African Azure User Group. This picture was taken just a few minutes before we started this. We have 2209 members in the South African Azure User Group. Obviously not everyone's here on today's call, otherwise it would be rowdier than it is.  
With Matthew and I talking, however, the South African Azure User Group is part of the Azure Tech groups. We are one of 152 groups globally sharing user group goodness between all of us.  
So what are we doing today? This is week 44 of 2025, and that puts into perspective how few shopping weeks you have left until Christmas. If that didn't give you some panic, welcome to the call. Today in Azure Lunch and Learn, we are going to be.  
Talking about VS Code for IT Admins, exploring and managing Azure without being a developer with Matthew Levy. In the rest of the week we have a program for Tuesday, Wednesday and Thursday. Tuesday is equally delicious Data Deep Dive, selecting the right Azure data architecture.  
It is not database architecture, but data architecture. Little bit of a preview in terms of the goodness coming away. On Wednesday, Shaun, who is on the call, will be presenting Intrasuite, The Good, the Bad and the Ugly. Shaun Hardnick is also known as that.  
Lazy admin, and because he is so exceptionally clever and lazy, he likes to automate everything in his life. Thursday special treat with Warren Dutoy, Azure Networking, choosing the right connectivity architecture for your cloud. I want to call out the meetup group. However, if you are in this call, you do know where you are.

 **tichman** 1:54  
4.

 **Nicolas Blank** 2:13  
Which is meetupcom, Azureusergrou, South Africa. I want to call out our code of conduct.  
In a nutshell, it means everyone is welcome, no one is allowed to be picked on, and if you do, you will no longer be part of the user group. We choose to include everyone of every type, orientation, flavor, or anything else that we can use as a descriptor because we love every.  
Everybody equally, except anyone who's rude to anybody else.  
I'd like to introduce Matthew. So Matthew is a solutions architect at Threadscape, and I was going to read out the whole with over eight years in IT consulting. Let me just say that Matthew is one of the cleverest people that I know. He's been an MVP for security for a while. He's really, really good at solving problems.  
And doing that in a way that's repeatable. And since he embraced VS Code, I watched what Matthew did over time and how he kept on solving problems and again in a repeatable manner. So I'm really, really delighted to introduce today's session with Matthew.  
Matthew VS Code for IT admins exploring and managing Azure without being a developer. And with that Matthew, I hand you the con.

 **Matthew Levy** 3:41  
Why, thank you, Nicolas. That was a brilliant introduction. I I couldn't have done any better. Actually, that was. I'm glad it's recorded. I'm going to have to go and steal that introduction. Thanks. Yeah. Yeah. So.

 **Nicolas Blank** 3:53  
Asia.

 **Matthew Levy** 3:57  
I I don't know how repeatable all of this stuff is going to be because it's a lot of it is in my head, so I don't have any slides to share. So what I'm going to do is I'm going to kind of go through the basics of what I've got from VS Code and.  
Then just show you some of the things that I use VS Code for in a day-to-day Azure kind of assessment. But before I get started, maybe if you can use the show of hands. Nick, you're jumping the gun there and putting up your hand. Yes, Nick, go ahead.

 **Nicolas Blank** 4:35  
I was going to ask you, Matthew, because I didn't in the beginning, and I apologize for that. How interactive do you want this to be? Do you? Are you happy for folks to come off mute and scream questions at you? How do you want to do that?

 **Matthew Levy** 4:45  
Oh.  
Yeah, so it's lunch and learn, right? So we're going to learn together. So if anyone has got something that they want to say and point out that I'm doing something wrong or could be doing something better, I also want to learn from this session.  
So please come off mute and if you've got questions, come off mute. I don't know that I'll necessarily. Actually, I should be able to see the chat because I'm not sharing a a slide deck. All I'm going to be sharing is my screen with VS Code and that's it.  
So yeah, please, I'll I probably won't be able to answer in chat while I'm talking cause I'm I'm pretty bad at multitasking, but sure we can pause and look at the chat and try and answer things.  
So what I was, I see Nick is ferociously chatting. Is that just to make sure that it's working? OK, cool.

 **Nicolas Blank** 5:42  
Indeed, and I'll help you with that chat as well. If there's a question, I'll stop you in your tracks.

 **Matthew Levy** 5:48  
OK, So what I was going to ask is by show of hands, how many people here work with Azure on a day-to-day?  
Yay, I see 4/5.  
6.  
Thank you. All right, so so far I'm seeing a number of people and you can put your hands down again. How many of you people are slow to put your hands up, Jaco?  
Very good. Thank you. No. How many of you are?  
Develoers.  
So you write code for a living. Aha. OK, so there's three people. So unfortunately, this session's not for you because you'll probably have so many things that you'll want to correct me on. And how many of you are administered?  
Administrators within environment. So and I know that develoers are administrators but like as.  
Your kind of daily describes you have to administrate administer Azure environments.  
Not so many of you.  
OK, cool. And then I I guess final question is how many of you have got some experience with Visual Studio code?  
Or another IDE. Oh, yay. Wow. Look at that. We can stop this now. Stop this session. Let's go. Let's go and have some lunch. No, no, that's brilliant. So there's a lot of people that have that use VS code.

 **Nicolas Blank** 7:41  
Don't be scared.

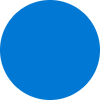
 **Matthew Levy** 7:48  
No, but that's brilliant. That just shows how sort of approachable it is, how easy it is to use it. You know, you just it's it's open source, it's free, you download it, you install it and off you go and.  
One of the things I experienced recently because my machine is pretty hardened and locked down. Even though I don't have admin permissions, I can still install VS Code and I could still install Git and do everything that I need to do. I don't need to be a local admin on the.  
Machine. So that's great. From a security perspective, I'm really hay about that, OK?  
So I'm going to show you some of the things. I've got five or six things that I just want to show you, and then it's more of a learning session for all of us, so we can explore and try a couple of things.  
Maybe they'll work, maybe they won't work because I'm going to lean on some of the GitHub copilot functionality and we'll see how what we can do. Just before I share my screen, I do in my current role I do.  
A number of Azure assessments where I'm assessing other customers, Azure environments, assessing them.  
According to the Cloud Adoption framework or the well architected framework. So you know, making sure that things align with Cloud Adoption Framework for Azure. And so you'll see a number of the things that I'll show on screen that PowerShell, that's the other thing I didn't.  
Mention on being an IT admin, I use PowerShell a lot, so I don't know any other languages. I meant to get skilled up on Python, but I just haven't gotten around to it. So PowerShell is my.  
Scripting language of choice.  
So you'll see a bunch of PowerShell. It's stuff that I actually use and some of it I created myself, some of it it's borrowed from other people, and some of it's stuff that I've had generated.  
Um.  
OK, so I'm going to share my screen.  
OK, so.  
The first thing I want to show you, this is just a sort of a default VS code and you can see that it's it's opened the getting started welcome page.  
Sometimes I like to go back to this and run some of the things, but you can close it often and say never show this thing again, but.  
What I've got in this profile.  
Is I've got some extensions installed and what's useful from an Azure perspective, especially when it comes to evaluating and assessing and seeing what's in somebody's tenant, is all these Azure extensions. We know VS Code is quite extendable.  
With all extensions, I typically go for trusted publishers of extensions, so Microsoft being one of them. And there's also something called extension packs, which you'll see here, this Azure Virtual. Sorry, not Azure Virtual.  
Azure Tools is an extension pack, so if I click on it, it actually has 12 extensions all within the one pack, so I've only had to install the Azure Tools extension pack and then it comes with all these other.  
Extensions. Now, I don't use all of these extensions, but they're useful in various situations.  
I go away there's there's or actually it's better on the left hand side to show you. So Azure Resources is quite handy because that'll you know, be able to show me in a tree view the resources that I have.  
But it's limited to specific types of Azure resources. The Azure Storage extension allows me to see Azure Storage accounts and connect to them, explore Azure Storage. I've got Azure Virtual Machines because.  
I often have virtual virtual machines in environments and then we've got GitHub Copilot for Azure. Now that if you go into the Azure portal, you've probably seen the GitHub Copilot for Azure.  
Or a copilot for Azure. It's the same copilot essentially, it's just surfaced in VS Code through the GitHub connection.  
So there's some kind of samples of what's going on there, and then obviously I've got the GitHub Copilot extensions so that I can do some of the GitHub code generation.  
Using GitHub Copilot and incidentally I use different models, don't necessarily use the GPT models that are provided. I sometimes switch to things like Claude, so I'll show you that.  
And obviously PowerShell. I've got the PowerShell extension so it knows that I'm I'm writing PowerShell commandlets and so the formatting and I can run them within the terminal and Rainbow CSV is something I came across recently that.  
If you create CSV files and you open them within VS Code, it actually highlights them with some nice color.  
Line, you know, it lines up the columns with colour and so it's easy to identify what goes what. So I mean that's useful for any CSV, it's not just Azure, right?  
And then you'll see I've got the Microsoft Docs MCP installed. So that's a an MC model context protocol server that's installed, but it's just for Microsoft Docs, so it makes a call to the Microsoft Docs.  
MCP API.  
So um.  
It's useful to have these extensions installed. Obviously the other things that I that I do and I have, I've intentionally made my VS code as bare bones as possible for this demonstration.  
On the accounts section, so if I click on bottom left accounts, I can sign into GitHub to use Copilot. So I typically do that. So I'll click on that and that'll bring up my on my other window it's bringing up.  
A browser with me signed in to GitHub. It's useful to have a GitHub account.  
You don't. To use GitHub Copilot, you need to have a GitHub account, so you'd have to have that. So I sign in and that should bring me back to VS Code signed in. And now you can see I'm signed in to GitHub.  
The other thing that you can do, and it's not necessary for what I do, but it's it's useful if you're going to use some of these extensions, is to actually sign in to Azure. So if I go to Azure, I'm not signed in at the moment, so I'm going to.  
Allow Azure resources to sign in.  
That's going to OUA prompt and I'll choose another account.  
So.  
Bear with me while I sign in Tye that long assword.  
Now I don't want my organization to manage my entire machine, I just want Vscode to be.  
Signed in. OK, so now it's signing into Azure and so I can see subscriptions and I can expand on the subscriptions and see the resources that this extension supports. Azure resources extension supports.  
Things like storage accounts and virtual machines and.  
Whatever kinds of resources you have.  
Um.  
With the GitHub sign in, I can also connect to GitHub repos or any source control repos for that matter. So if I go to the source control button.  
I can clone a repo.  
And at the top it's allowing me to enter a URL or clone from GitHub. Because I'm signed in to GitHub, I can click on this remote sources and then it should see.  
The Um.  
The repos that I have in my account so I can if I've got some stuff and often I do, I've got PowerShell scripts and things in my GitHub repo. Then I can go and use those, pull those down.  
Tink them to my machine and this is where I would need the git extension so or the git interpolation and that's let me just do git.  
So you just Google git and install the latest version 2 point something and if you don't have it installed it'll tell you. So VS code is very cool like that.  
With a lot of this stuff you'll see bottom right hand corner a little pop up telling you you need to sign in or you need this extension or you need to install git command line so that you can use git commands.  
Within VS code, so it actually walks you through that process. I I don't think it's necessary for me to go through it because I've already done it on my machine.  
Um.  
So it's busy trying to sign me into GitHub. I don't know. That's to show resources. Uh, remote repositories. Let me just move this out the way.  
Don't know why it's taking so long. I can, like I said, any yes.

 **Nicolas Blank** 19:21  
Matt, we're only seeing the Rainbow CSV stuff on your screen. I'm not sure if there's anything else still happening.

 **Matthew Levy** 19:26  
Yeah, no, no, no. I'm sharing my entire screen. So what was happening was it was down the bottom right hand corner of VS code. Hopefully you could see that it was trying to authenticate to GitHub, which, oh, it popped up on another screen, that's why.

 **Nicolas Blank** 19:36  
Mm.  
Yes.

 **Matthew Levy** 19:46  
For me to authorize that not finished. Would you like to try a different way? Let's just say no.  
And so um.  
Try that again. Sorry.  
That's why it took so long.  
There we go.  
There we go. So now it's listing my the repos that are in my GitHub. OK, so I could choose that. Or what I've done many times is use somebody else's repos just.  
Just because they've got useful content in them. One of them that I like to well, no one that I cloned recently is the Maester repo from Merrill Fernando.

20:40  
Yeah.

 **Matthew Levy** 20:45  
So you just basically paste the URL from that repo into the clone repo and click clone from and then it creates a clone. It asks you where you want to store it locally, so.  
You choose a folder locally, locally on the machine, and then it'll store it wherever you've said, and so I've actually got the master.  
Repo already cloned on my machine, so I'm not going to clone it again. You can see if you clone something twice it'll like this Intune management folder. I cloned it and then cloned it again. That was me being silly actually because.  
I wanted to use the dev branch of this Intune management repo and I didn't want to mess with the branch that I had on my machine, so I created a separate one only to realize later on that.  
Once you've cloned the repo, you can switch to the branch from within VS code, but that's that's actually something I can show you towards the end if we get enough time.  
So I'm not going to clone that repo at this stage. I just want to show. Let's have a look at these VMS. These VMS are deallocated. I can actually perform actions on these VMS from within here, so the.  
Perform actions on resources without ever having to go to portal. So you know, I've intentionally got these VMS deallocated so I can go ahead and start the VM if I wanted to. Not that I'm going to do anything with it right now, but just.  
To show you, you can do things with Azure resources from within, yeah.  
Um.  
What I'm going to show you now is the and and this is a a feature of VS Code. It's not necessarily an Azure function or magic. That is the profiles, right? And so I've got a number of profiles down here on the bottom left.  
And I'm actually going to switch to the default profile and you'll see now that I've got a number of other extensions that are part of my default VS code installation, so there's some additional extensions.  
And with profiles you can customize how it looks, what extensions show up, which folders work with that profile, et cetera, et cetera. And so one of the cool things I wanted to show you is if I.  
I'm in the default profile, but I open a folder that I always use for Azure assessments. It changes automatically to that profile because of the folder. So if I go file open folder.  
And.  
Go here.  
Oops.  
And open this folder.  
It automatically changed to that profile, so it's now live mode again and it's got those extensions that I need for the Azure assessment that I'm going to do.  
And you can see down the bottom right it's kind of prompting me my PowerShell version is out of date, so I could install the latest version of 7.5.4. I know 7.5.3 is OK and I can carry on using it, but if I've got some time I could go ahead and.  
Update the PowerShell version. I'm not gonna do that now on this call because you know, demo gods will probably not favor me and something will happen. Oh.  
Tashman is asking if I can zoom in. I haven't figured out how to do that with VS code to be honest.  
If anyone knows how to zoom VS code.  
That would be useful.  
You.  
Appearance. Uh, full screen. Uh, zoom. There we go.  
Huh.  
We did it.  
I get there now.

 **Nicolas Blank** 25:46  
I think on Windows you can also do.

 **Matthew Levy** 25:48  
Control control Lus equals control Lus minus.

 **Nicolas Blank** 25:51  
Yeah, yeah.

 **Matthew Levy** 25:54  
Control and equals. I was doing control zoom with the mouse, so maybe that's why I was.  
Look at that. Is that better?

 **Nicolas Blank** 26:06  
Better for me, it's age appropriate.

 **Matthew Levy** 26:09  
Yeah, OK, so should I start again now that everyone can see?

 **Nicolas Blank** 26:13  
Start everything from scratch, please.

 **Matthew Levy** 26:15  
Yeah, OK, so.  
So what I showed you there was that profiles and and just going into the profiles you can edit what folders open with that profile. So let me just because my terminal is taking up a lot of space here.  
You'll see that the folder that I'm in is part of this Azure assessment profiles, but I could remove it and then it's not going to open this profile when I open that folder and then you can see I've got it.  
A number of other folders that will open this type of profile. Some other cool profiles that I've got are Doc Rioter which does a lot of so it's it's got markdown editors in it and.  
Style checkers and editing tools so you can actually use this as a a replacement for writing documentation. So you don't necessarily need to use Word, which I often fight with.  
Another cool profile is the ISE mode. So if you are an admin that's used to PowerShell and using ISE, the ISE mode just it switches the color scheme and makes it look a lot more like ISE than VS Code.  
Is pretty cool and I'm just I've got some other things that I'm playing around with. So let me just show you some of the PowerShell stuff that I do and and obviously connecting to Azure to run PowerShell needs.  
Um, the AZ PowerShell commandlets. Um, so.  
I make sure that I've got the the AC module installed.  
So that's something that if you try and run some of the commands, you'll see that they won't work because you don't have the module. So you just basically install the module. I'm going to connect to my tenant here. It's just so what I'm doing is highlighting and then pressing.  
F8 and that runs down the bottom in the terminal. I'll make it bigger, yes.

 **Nicolas Blank** 28:38  
Sorry Matt, is that your PowerShell or is the assessment PowerShell that you are looking at part of an external repo that folks can come follow along with?

 **Matthew Levy** 28:47  
Hm.  
This is mine. So this is something that I've got internally in a a repo because it's just a number of PowerShell things that I've put together in an in a one long file, but I'm, you know, there's nothing.  
Secret in it, but I can't really share it. It's not really useful to anyone, so let me just authenticate here and you'll see now I'm connected to an.

 **Nicolas Blank** 29:10  
Sure, sure.

 **Matthew Levy** 29:21  
A tenant and there's a subscription. This function that I've got here is just something that a colleague of mine wrote just to convert some things to markdown because we.  
We provide reports with markdown and so I'm just going to run that function.  
Because you'll see some of the other commands that are run. Where is it later on?  
Convert to Markdown. So I call that function and then I can paste what's on the clipboard into a brand new Markdown file. It just makes it easier for reading in Markdown. So things that I can do is.  
Just run a couple of commands to go and interrogate the tenant about the subscriptions.  
And what do we get back? Did we get any? Let's see subscriptions. Yeah, there's one subscription and things that. So I mean, I'm not going to go through all of the things that I run here.  
It's up to you if you've got things in Azure that you want to specifically ask about. You know, there's the Azure commandlets, the easy commandlets, and then I also, because I'm an identity person, I do a lot of stuff on Entra.  
Which means I need to connect to graph. So I have the graph PowerShell modules and I would do a connect MG graph if I need to do any sort of intra types of things.  
Interrogate, ask for users in groups and things like that. OI can do that.  
Some of this PowerShell script I've borrowed or I've written and I've just added to it. Some of it I used the Copilot, the GitHub Copilot magic, which because I'm now signed into GitHub, I have.  
The copilot and in fact this thing has oed out on the right hand side, so I can use this now to.  
Do a number of things, and with the GitHub copilot you you've got the different modes you can ask, and that's very similar to like the ChatGPT functionality where you're just having a conversation with.  
Copilot and it's suggesting things and then you still need to go and copy the code and paste it in your your script or you know, run sections of it yourself.  
The other mode is the ask mode. Sorry, the agent mode. I'm getting confused there the agent mode which will actually.  
Execute the command so you can say I. In fact, let's let's try this.  
I don't care about the the context, so.  
I need a list of virtual machines in.  
This tenant.  
Use PowerShell to get the information. Let's see what it does. I'm using Claude because I found that it has.  
I just find better code comes out of Claude than the GitHub, the the ChatGPT models, but it's really it's you're up to your preference. Try them and I think it's also dependent on what.  
GitHub license. You have the ability to change models.  
O I'm going to enable that and let's see.  
What? I'll help you get a list of virtual machines in the tenant using PowerShell based on your existing script pattern. I'll add a section. OK, so it's going to add a section to my script.  
Virtual machines retrieve all virtual machines, loop through all enabled subscriptions, get VM details, display the results. Cool. And it's added it to that PowerShell assessment copy dot PS1.  
You can see it's highlighted it there and now it hasn't actually run it, but I can keep all of that and let's see what it does. It's very big and zoomy for me, so let's just.  
Maybe I can zoom out just a tad. So VMS for each sub in subs for each VM and like as an administrator who knows PowerShell, I'm going to kind of.  
Cast my eye over it to see if it makes sense, but I don't have to. I could just run it and see what happens. Then yeah, let's get up to there. So format table, so if 8.  
So it's looping through the subscriptions and then it's giving me the two virtual machines that I have listed and it's giving me some useful information, the subscription, the resource. Now what I could do because I've got that convert to markdown table.  
Now I've got a table there that PowerShell has outputted for me and actually.  
GitHub Copilot knew that I used that function and added it so you can see it to actually put that convert to markdown table. I didn't even see that, so that's brilliant. Let's run that and copy it to the clipboard.  
So that's done. So what I can do is then go file new file and select. It's a markdown file and just paste what's on my clipboard. So now that's a markdown file if I preview this.  
Open preview. Oh look, it's nice. I can put that in a nice and I can add, you know, different text to it. So it's it's a nice little output in a table.  
Which is pretty cool.  
And then if I were connected to, I'm not right now. If I go to, yeah, source control, I'm not connected to source control, but because I've updated that assessment copy file, I could actually.  
Oh, I like that change where it's gone and got the resources or the virtual machines. I can now save that and stage it to my local repo and then I can sync it which will push it up using the git.  
Tool to the source, the remote repository, so my colleagues can then just pull assessment copy and they'll have an updated version with oh, it's got stuff that'll get the VMS in there.  
Which I think is pretty cool. Um.  
Yeah, so that's the the GitHub copilot stuff. There's a lot more. I've done some things with.  
And I suppose I would call this vibe coding where I've.  
I was given or I was given a Jason file with.  
Some configuration in it and I I I could read the Jason file, but I didn't quite know how to provision something into Azure using those Jason Jason files and so I was able to get.  
GitHub Copilot to write a script, a PowerShell script that would then.  
Convert those Jason files into the correct formats for an ARM template or a bicep template that I could then deploy using PowerShell and it did it all using.  
PowerShell. So it wrote. It converted the the JSON, converted them to ARM templates or bicep templates and then I was able to deploy similarly with Entra.  
And I might be able to show you that I've got things that I wanted to deploy into Entra.  
Security groups, but they needed to be role based security groups. Now when you're creating security groups in Entra, if you want them to be role assignable groups, sorry, not role based role assignable groups in Entra, you can only do that.  
When you're provisioning the group, creating the group, you can't change that flag once a group exists. So I was, I was, you know, kind of struggling through creating a group. Oh, I realized it's not a.  
Role assignable group. I need to go and set the flag. Oh, you can't set that because it's already provisioned. You have to delete the group. So deleted the group and then had GitHub Copilot write a script for me to identify if the group existed.  
Or not. And if it did, did I want? If it didn't, did I want it to be role assignable or not? Yes or no? And basically it ran a a nice little.  
Interface that asked me questions and created these role assignable groups based off of some config files. Nicolas.

 **Nicolas Blank** 40:12  
Giving you your 10 minute warning.

 **Matthew Levy** 40:14  
OK, well, 10 minutes I am. There's there's not a lot more than I can show. I I I think we've got.  
I want to try and show you the the role assignable group script that I wrote, but I'm going to have to shift to or change to a different folder. So let's open folder.  
OK, let me just stop sharing while I find it.

 **Nicolas Blank** 40:54  
And while Matthew is looking for things, I'd like to encourage us to have any questions in mind and and and don't be shy.

 **Matthew Levy** 41:01  
Mm.  
Yeah, I'm already tired of talking.  
Alrighty.  
Alright.  
Yeah, let me share my screen.

 **Blessing Bowora | Cyberlogic** 41:44  
So what are you looking for?  
Matthew, I was just gonna ask in terms of getting the extensions for Azure, do you have to go and individually install each and everyone of them or there's a pack where you can just OK.

 **Matthew Levy** 41:49  
Yeah.  
Hmm.  
No, there's a pack. Yeah, yeah, so absolutely. So the Azure Tools pack is the the one that I use and and and this is similar for anything really. There's even a PowerShell.

 **Blessing Bowora | Cyberlogic** 42:05  
Oh, OK.  
So.

 **Matthew Levy** 42:13  
Pack. So there's a GitHub pack. There's there's all sorts. So yeah, unless you've got individual extensions that you know you want and you want to go and get them.

 **Blessing Bowora | Cyberlogic** 42:27  
Yeah.

 **Matthew Levy** 42:27  
You do that or install packs. So yeah, I I I like packs and you can create your own packs even. So if you know of extensions for VS code that you always need, you can create your own packs.  
I don't know if I can show you how to do that now, but because it's been a long time.

 **Blessing Bowora | Cyberlogic** 42:47  
Yeah, I guess. Thanks for confirming that. It's just, I'm just trying to find a way obviously to look at what's from a from a use case perspective, look at what I could actually use in my day-to-day and what that looks like.

 **Matthew Levy** 43:01  
Mm.  
Yeah, so let me let me share my screen again and I'll show you back on the extensions.

 **Blessing Bowora | Cyberlogic** 43:03  
So, so.

 **Matthew Levy** 43:12  
Tab I suppose of VS code. Where is it now? Azure Tools is 12 extensions in one pack.

 **Blessing Bowora | Cyberlogic** 43:23  
Yeah, there you go. Makes sense.

 **Matthew Levy** 43:25  
OK, yeah, yeah. And.  
How did I? Where? I'm trying to. So I've also got other things like GitHub repos. That's an extension. Git lens. Git lens is nice because it shows you what's been happening in a in a.  
A repository other than what you've done. So if other colleagues that you sync a repository from have been working on it, you'll see different branches and what's been changed and things like that. Again, I'm not a developer, so this stuff is probably like developers do this in their sleep. They know branches.  
And forks and knives and spoons. And I it's all it's basically cutlery to me.  
So what was I gonna show? Oh, I was gonna show my um.  
Handy little intergrou script.  
So um.  
O This author you'll see is GitHub Copilot. Lovely. Let's zoom in a bit.  
So this entire script um.  
Creates enter ID groups from Jason configuration files. So I've got where would they be now? Somewhere in here. Got some Jason.  
I think it's these no groups. It'll be under groups, these JSON files that define certain groups. OK, this is for conditional access and then.  
In the in the JSON file we've specified that it is a role assignable group is assignable to role right? So it knows that from the the file that it must be a role assignable group but.  
Running the script, initialize variables, created groups, skipped groups, error groups, et cetera, et cetera O.  
Uh, let's see. I don't. I don't know if I'm connected to anything, but let's see if I can just run the script without actually creating things. Just to show you what it looks like. I just want to check it MG context. Oops.  
Yeah, OK, so I'm not connected to graph, which I would need to be for this to work. Scripts, CD scripts, scripts, scripts, Nope.  
Uh.  
Oh, I'm in a completely different folder.  
How about copy path?  
OK, and now what's the name of this PowerShell script? If I'd written this PowerShell script myself, I probably would have known exactly what it was called, but because I've used the power of OK, you can see I've.  
Run it before and.

 **Nicolas Blank** 47:07  
That's the trouble with vibe coding is I also vibe code things and then I go it works so I won't actually go look at it.

 **Matthew Levy** 47:09  
Yeah.  
Yeah, and and you kind of like, I'll, I'll come back and use this again, but then the next time you're like, how did I do that again? So let's see, create better things. There's the source for the the.

 **Nicolas Blank** 47:22  
Yeah.

 **Matthew Levy** 47:29  
I don't know if that's the right place, but let's see what happens.  
Yeah, not connected. OK, I need to connect. But the the whole point is the script has got error handling in it. It's got colours, it it's beautiful and it it asks me, it's got parameters settings. So you know commandlet binding I.  
Have it asks me if I want to overwrite or what was it here update existing. So if they exist I can just update the existing ones but not for role assignable groups you have to delete and recreate. So it will do that for me if I've said update existing which is.  
A little bit dangerous, but.  
Now there's what is this script?  
381 lines of code that I didn't write a single line of. I I prompted and my prompt was probably about 200 lines, but I I got what I wanted just from using.

 **Nicolas Blank** 48:28  
It's pretty cool.  
Oh.

 **Matthew Levy** 48:39  
Using the GitHub copilot, I wonder if my prompts are still there now.  
One month ago.  
Oh, no. OK, there is a way you can get back to the the prompts. But anyway that's that was some of the cool stuff that I wanted to show and and I think Nicolas, I'm I'm at the 5 minute 2 mark so for questions and.  
Chat.

 **Nicolas Blank** 49:11  
I think from a rewinding point of view, the installing extensions, that's a great place to start because we don't often know where to start. And if you the easiest thing in the world is to create a new file and tell GitHub.

 **Matthew Levy** 49:16  
Hmm.  
Yeah.

 **Nicolas Blank** 49:30  
What it is and then paste something into it and then you can create context like that. Also on the left hand side I think if you're an infrastructure person, this thing about file open new folder, that doesn't make sense. So do you mind just explaining that quickly?

 **Matthew Levy** 49:42  
Mm mm.  
I'll open folder this bit, yeah.

 **Nicolas Blank** 49:47  
Open folder from yeah yeah.

 **Matthew Levy** 49:51  
Yeah, So what? Within VS Code, I'm in a workspace and a workspace can contain folders. I suppose from a developer perspective, it's a project that you're busy with.  
Different languages, different instances, I don't know, but for me it's just the the workspace that I'm busy in I'll.  
Keep the folders together. You can't have multiple folders, so the folder that I'm.  
You know, if I go and open Maester for example, it will now switch to a completely different view. Look at that, this stuff on the right hand side. Brilliant.  
But it's only that folder I don't have.  
Additional folders so you can't have multiple folders in a workspace.  
But it's useful to be able to open an entire folder with a number of files within it. So you you can absolutely just open a file, a single file. But it's useful to open an entire folder like what I did just now with my interest stuff. There's a folder I know I've got.  
Jason files in that folder. I've got the PowerShell script in the folder and other things, so I would open the folder. Does that answer your question on the folders thing?  
Um.  
The the extensions and Blessing you, you know you raised a good question which extensions to install for Azure and the packs are really useful that you can.  
Search for extensions, but then I also see that the why is it not showing? Oh, recommended is hidden. VS code will recommend extensions as well, so like.  
Notepad keymap. I don't know what that is, but maybe I want to take a look at it. Get our ull requests Kubernetes. I'm doing maybe some container stuff. Maybe I want to get the Kubernetes extension.  
Although that's another scary asect for me. Um.  
But if you are working with containers, you probably would want that. So yeah, it's it. VS Code is quite intuitive in kind of showing you where to go and how to get.  
A little bit more and every time I open VS Code I learn something new. Oh, what does that do? Oh look, do you want to install the recommended dev containers extension for Microsoft from this repository? No, I don't think so.  
So yeah.

 **Blessing Bowora | Cyberlogic** 52:54  
Yes.

 **Matthew Levy** 52:58  
So just to recap, what I did was I showed you the extensions, I showed you accounts. So don't forget if you want to use the GitHub copilot, you need to sign into GitHub. So the little monarchy there, click on that and sign in.

 **Nicolas Blank** 52:58  
A lot. Go on.

 **Matthew Levy** 53:13  
I've also got my Azure tenant signed in. Oh, I didn't talk about backup and sync. So if you have a GitHub account, you can sync your settings for VS Code to GitHub so that you can then go to another machine and just install VS Code and sync your settings and it'll sync.  
Sync all the extensions, how it looks, your rofiles, all of that to your new machine so you don't have to start from scratch.  
You can using the Azure Resources extension. You can work with resources in Azure.  
You've got profiles that you can set how you want things to look. I'll just switch to the doc writer profile just to show you how it changes colors and things. It's a little bit easier on my eyes, but it's not great for presenting.  
Um.  
Yeah, and then some of the GitHub niceness that I played with using the different the agent mode and the different models that you can use. Configure models and you custom chat. No, I don't want to do that.

 **Nicolas Blank** 54:31  
We're coming up to the the top of the hour, so sadly I do need to interrupt you because we're coming to the end of lunch and learn. And do you want to drop your contact details in in any way if people want to find you either LinkedIn profile, a Twitter, an e-mail, anything that works for you, Matthew?

 **Matthew Levy** 54:33  
See.  
No, I'm.  
Mhm.  
Yeah, so I'm just putting my Twitter in the chat. My I think my LinkedIn profile was on the slide. I don't know what it is, but it's Matt chat. Yeah. And then yeah, just reach me on probably Twitter. LinkedIn is probably the easiest way to get a hold of me.

 **Nicolas Blank** 55:00  
It was, yeah.

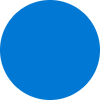
 **Matthew Levy** 55:10  
Um, I do follow both socials.  
And thanks very much for having me for lunch and learn. It was fun to learn.

 **Nicolas Blank** 55:19  
Matthew, thank you. Thank you so much for making the time available. Thank you everyone who joined. I have recorded the session and I will be sharing it via a GitHub repo so anyone can grab that and get.  
The slides as well as everything that was presented today. So with that, thank you everybody who stayed. We appreciate your time and if we are going to see you tomorrow for the data session, then we'll see you then. Thank you so much.

 **Matthew Levy** 55:48  
Mm-hmm. Thanks. Thanks all.

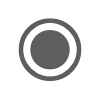
 **Nicolas Blank** 55:50  
Thank you, Matthew.

 **Blessing Bowora | Cyberlogic** 55:51  
So that's all right. Cheers.

55:52  
Thank you.

 **Matthew Levy** 55:52  
Bye, bye.

 **Nicolas Blank** 55:53  
Bye, bye.

 **Nicolas Blank** stopped transcription