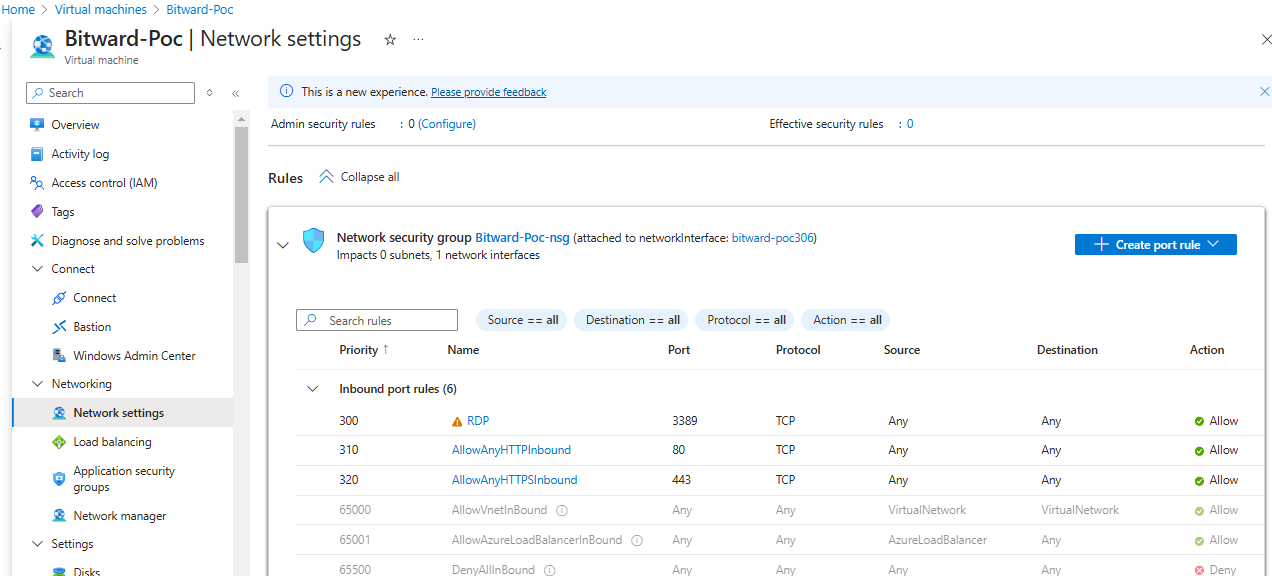
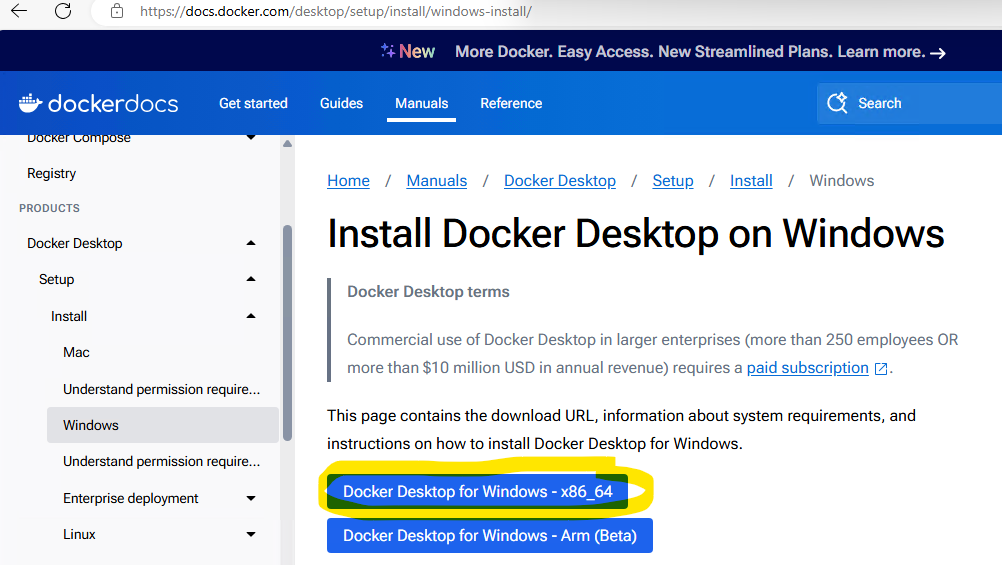
# Installing Bitwarden on Windows 11

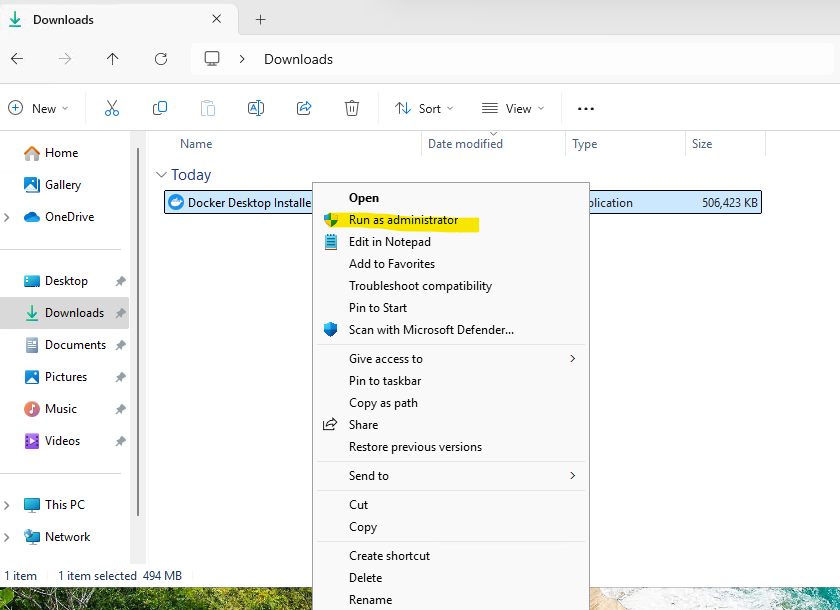
1. **Allowing Inbound ports 80 & 443**

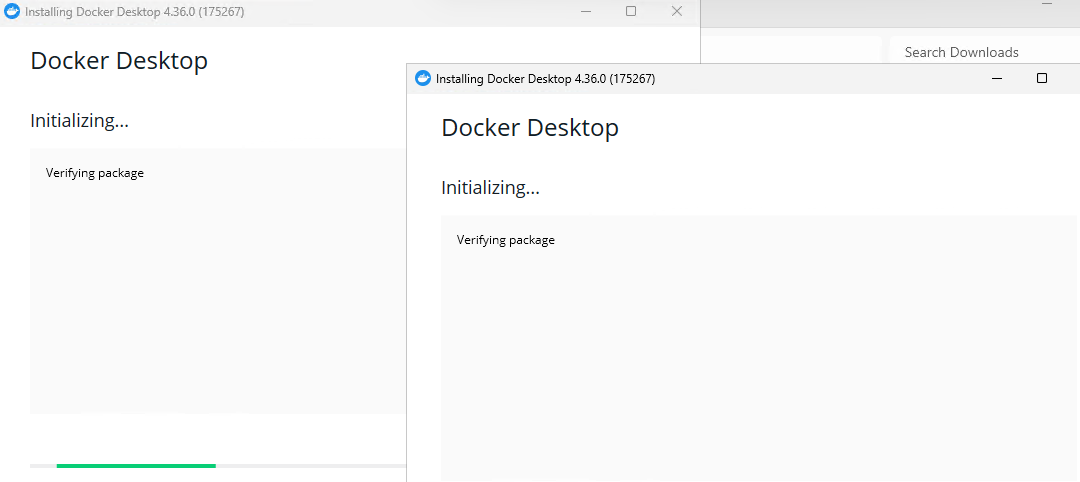


1. **Install & Setup Docker Desktop on Windows 11, Download the setup file from below link**

[Windows | Docker Docs](https://docs.docker.com/desktop/setup/install/windows-install/)

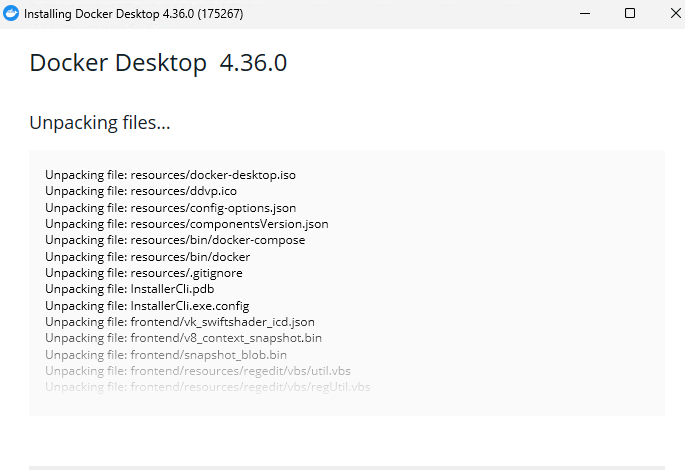


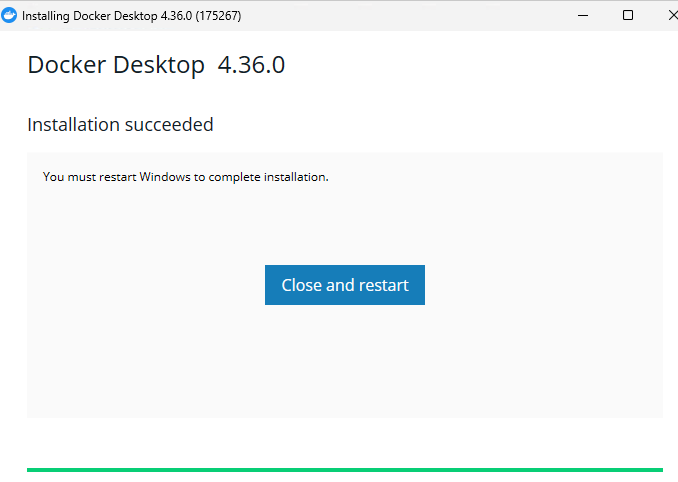


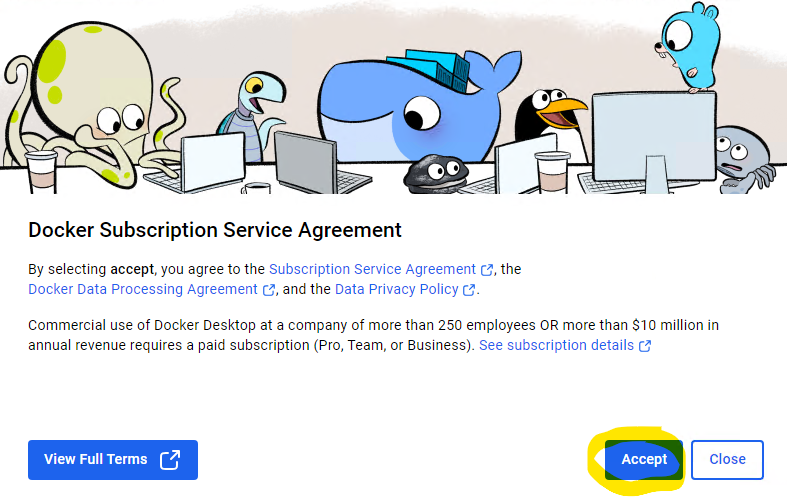


**Note:** Make sure “Use WSL 2 instead of Hyper-V (recommended) is not selected

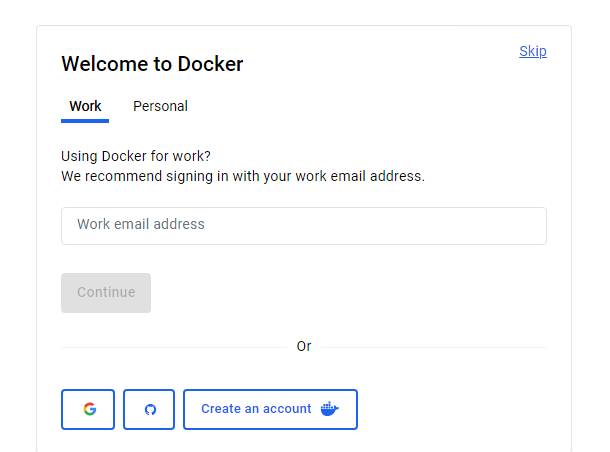


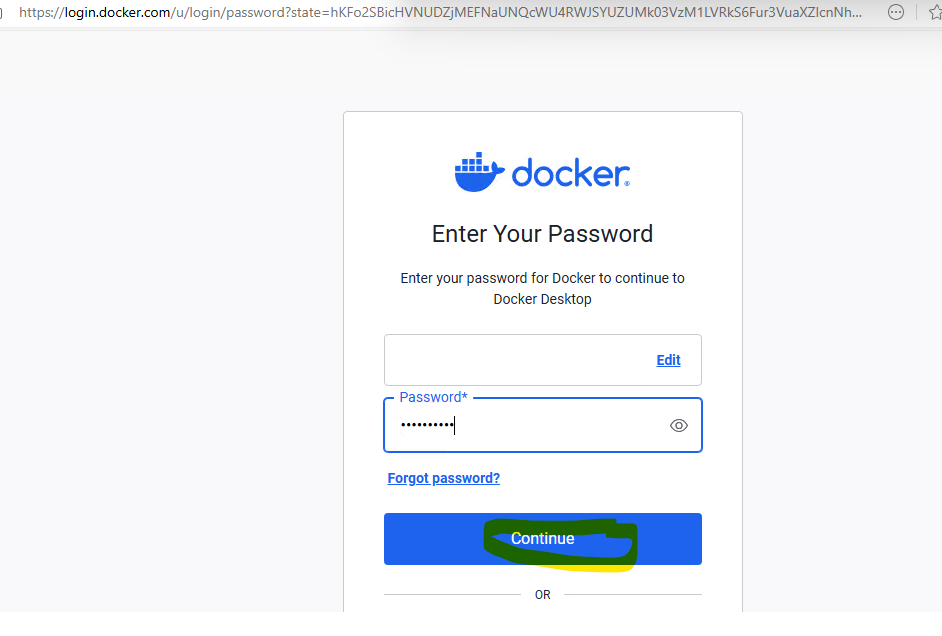


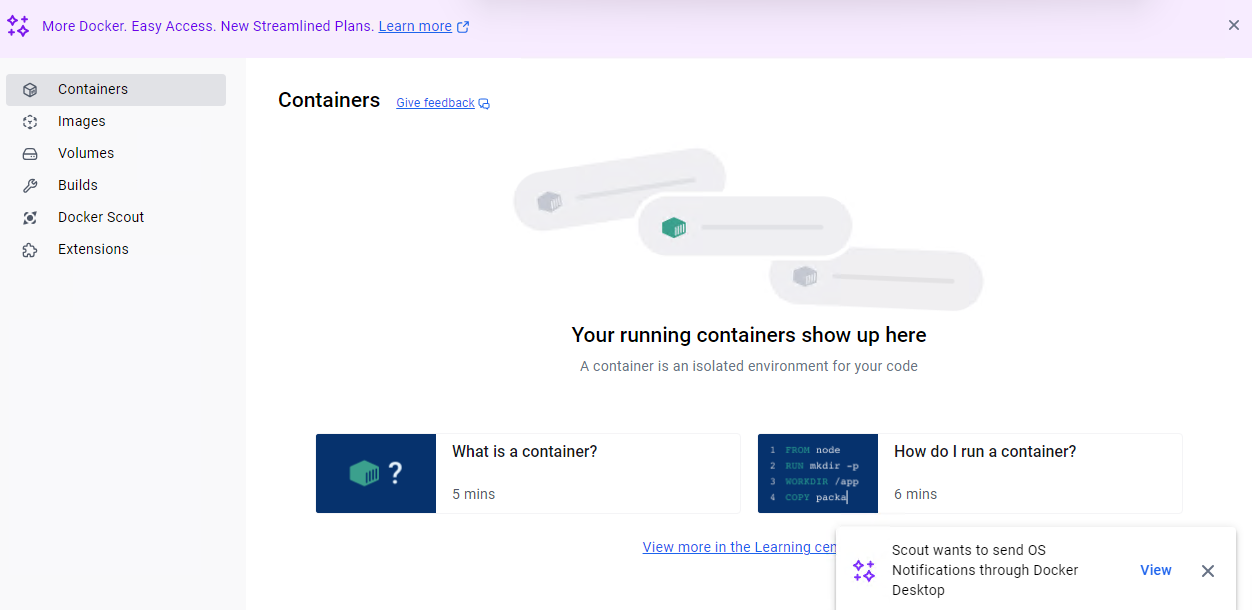




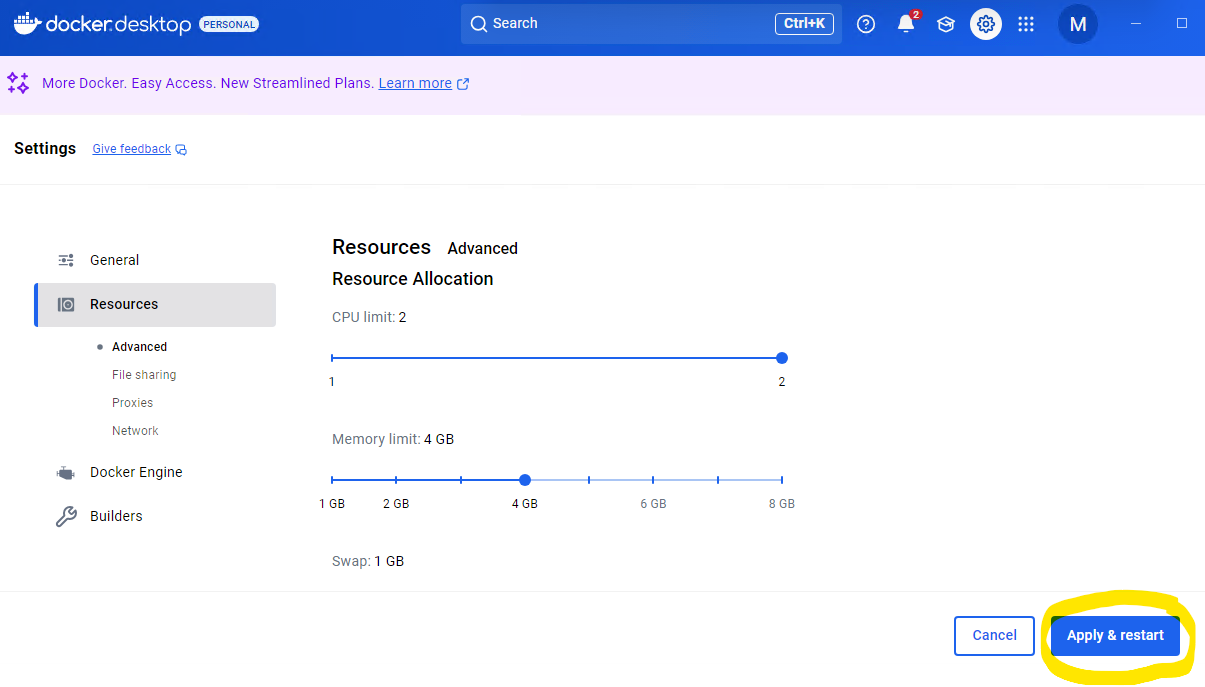
Provide Docker hub user name





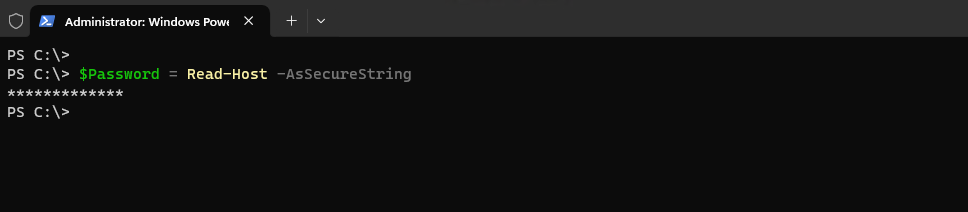


Adjust the Memory settings= 4GB as recommended by Bitwarden

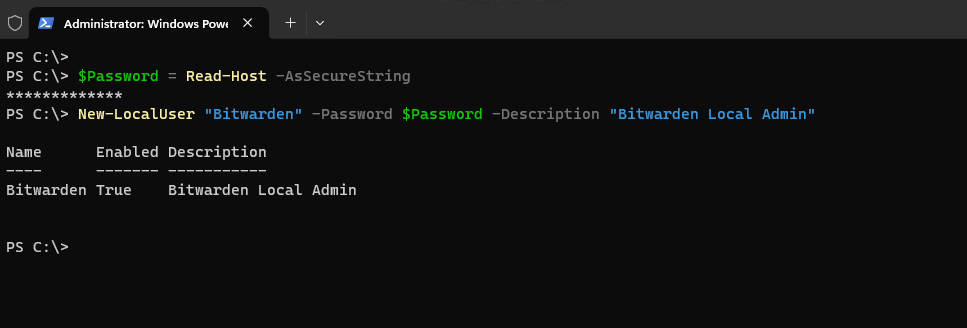


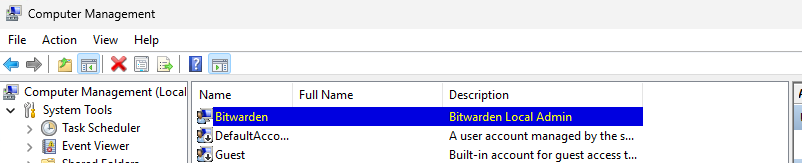
**Create Bitwarden user & directory**

$Password = Read-Host -AsSecureString

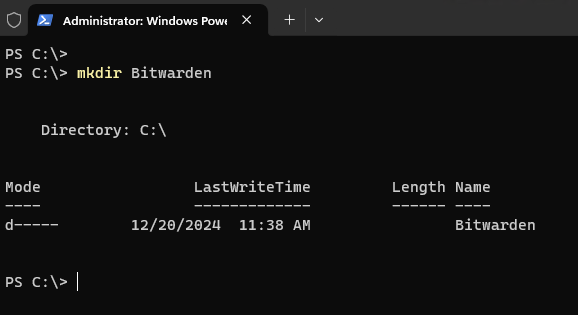


New-LocalUser "Bitwarden" -Password $Password -Description "Bitwarden Local Admin"

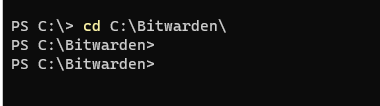




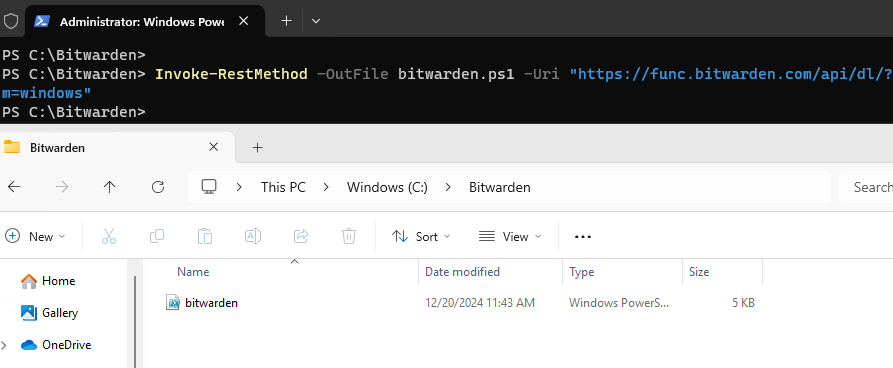
mkdir Bitwarden



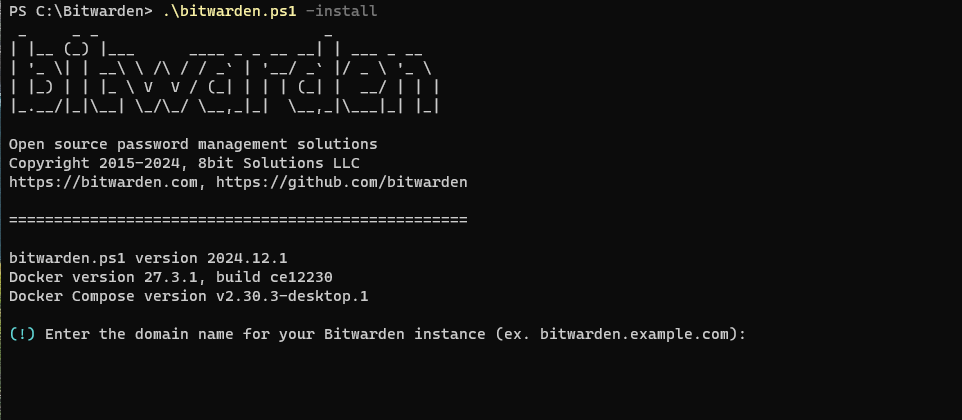
cd c:\Bitwarden

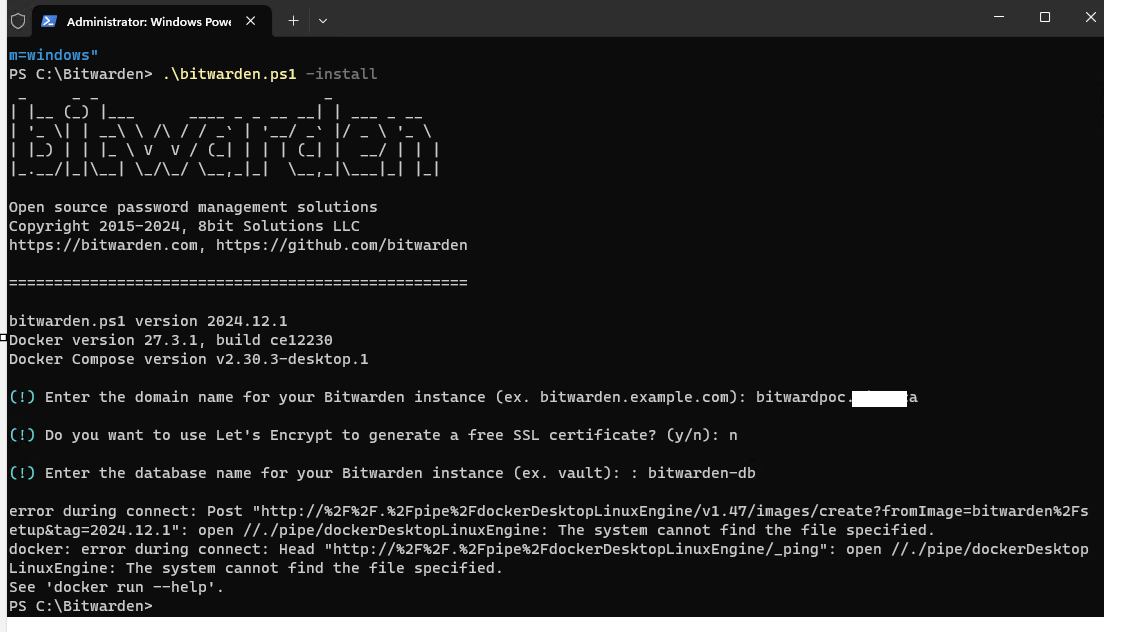


Invoke-RestMethod -OutFile bitwarden.ps1 -Uri <https://func.bitwarden.com/api/dl/?app=self-host&platform=windows>



.\bitwarden.ps1 -install

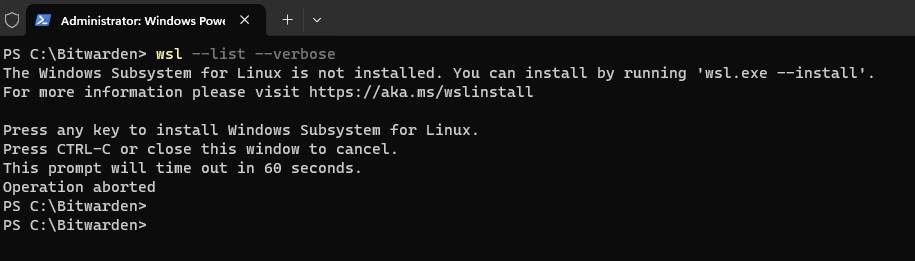




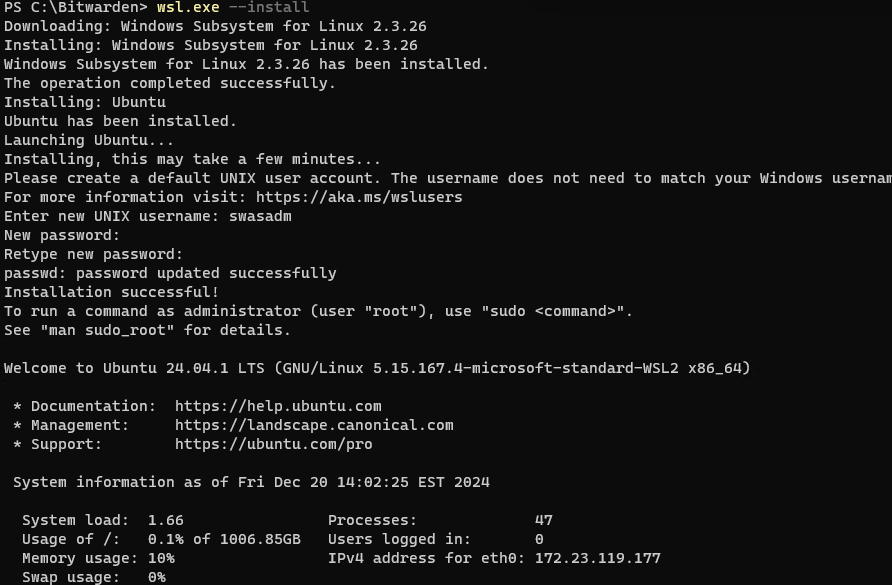
**error during connect: Post** "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/v1.47/images/create?fromImage=bitwarden%2Fsetup&tag=2024.12.1": open //./pipe/dockerDesktopLinuxEngine: The system cannot find the file specified.

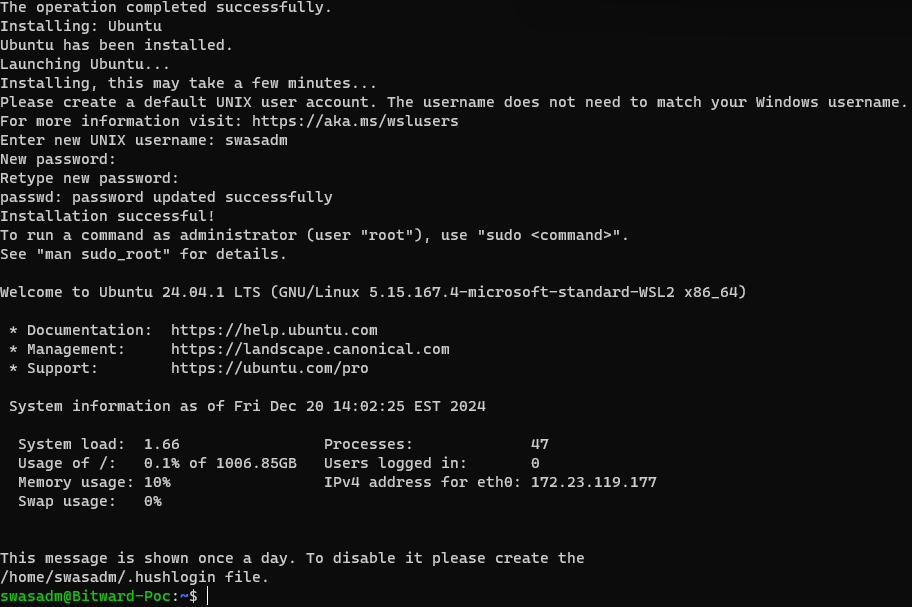
docker: error during connect: Head "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/\_ping": open //./pipe/dockerDesktopLinuxEngine: The system cannot find the file specified.

wsl --list --verbose



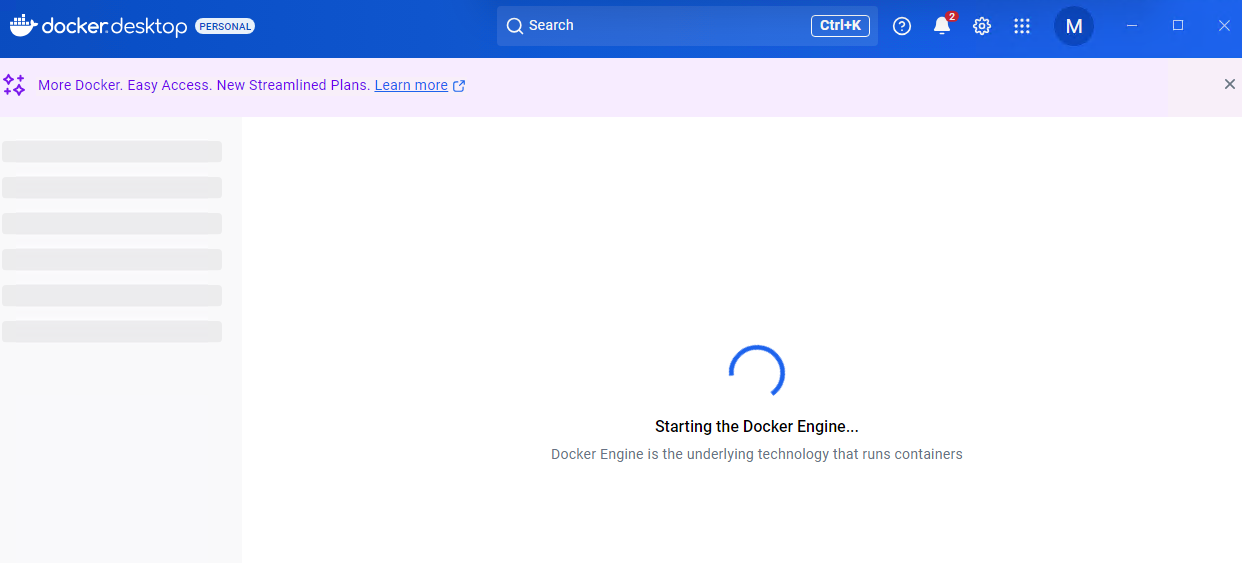
wsl.exe --install

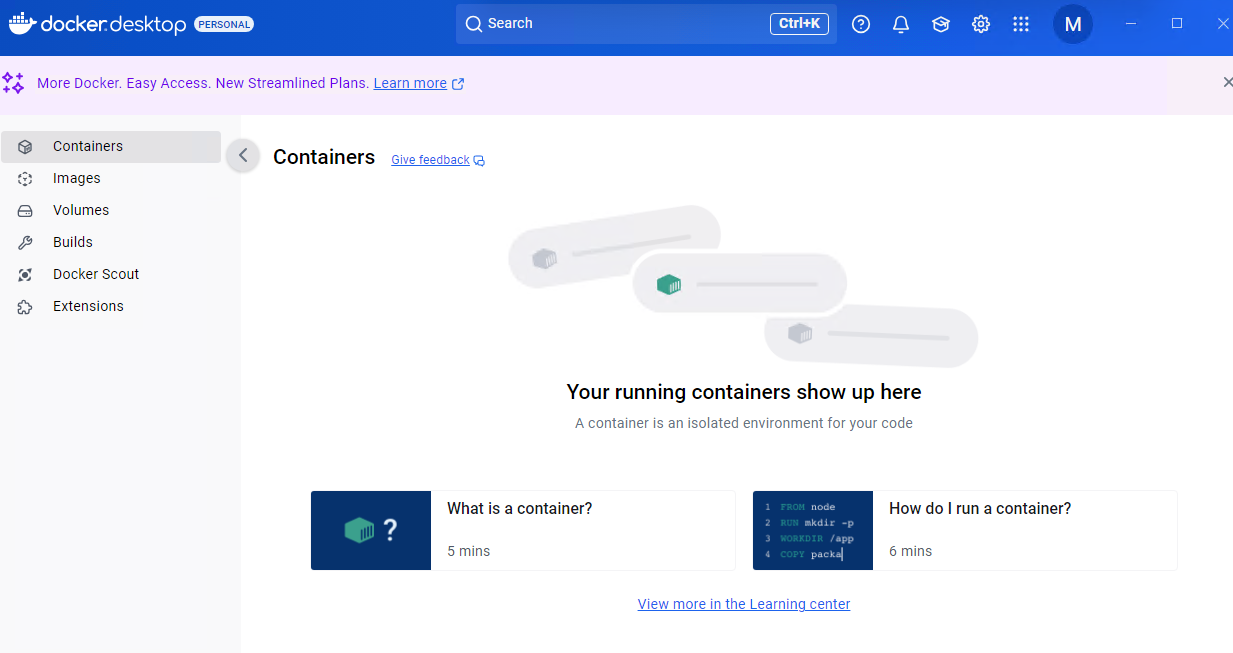


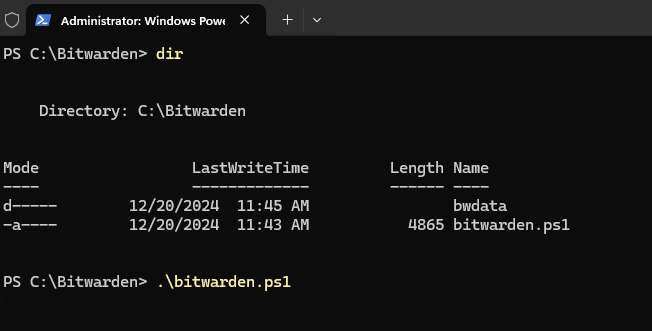


Reboot the system

Starting the Docker engineer will take approx. 3 – 5 minutes

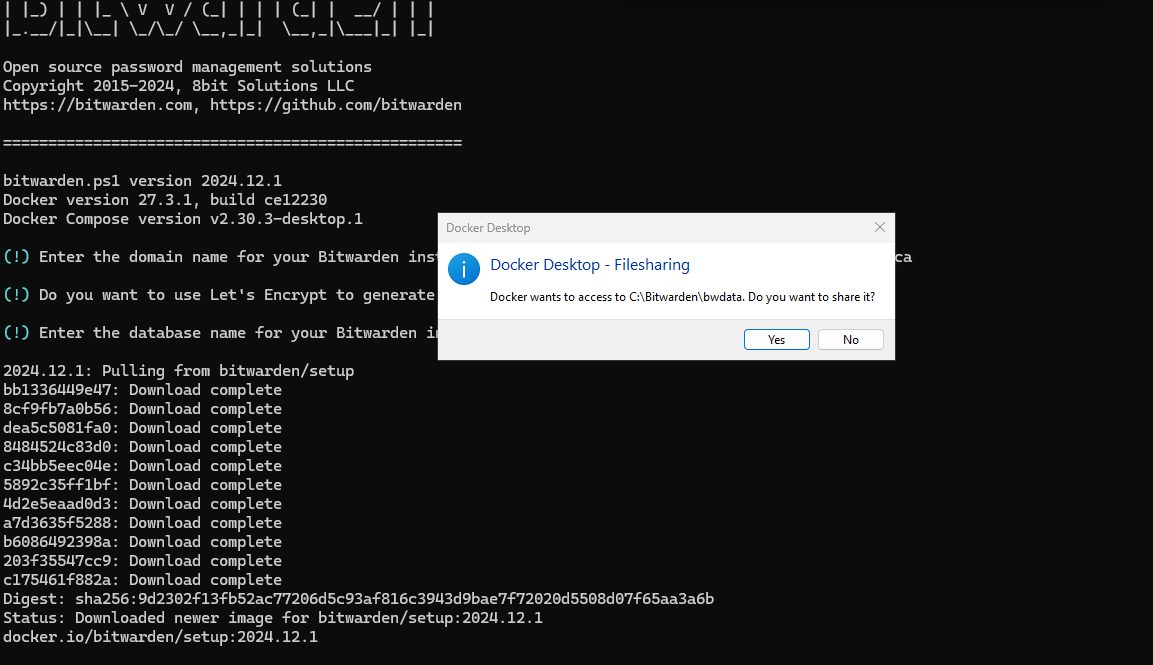




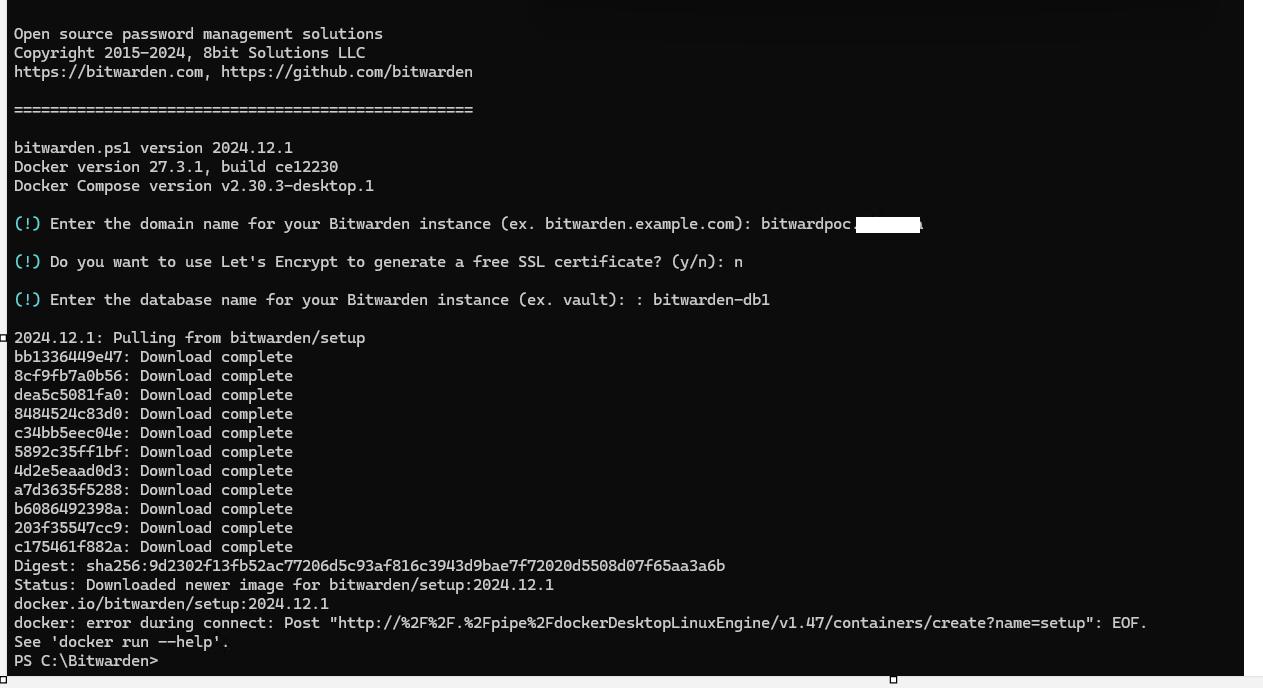


.\bitwarden.ps1 -install



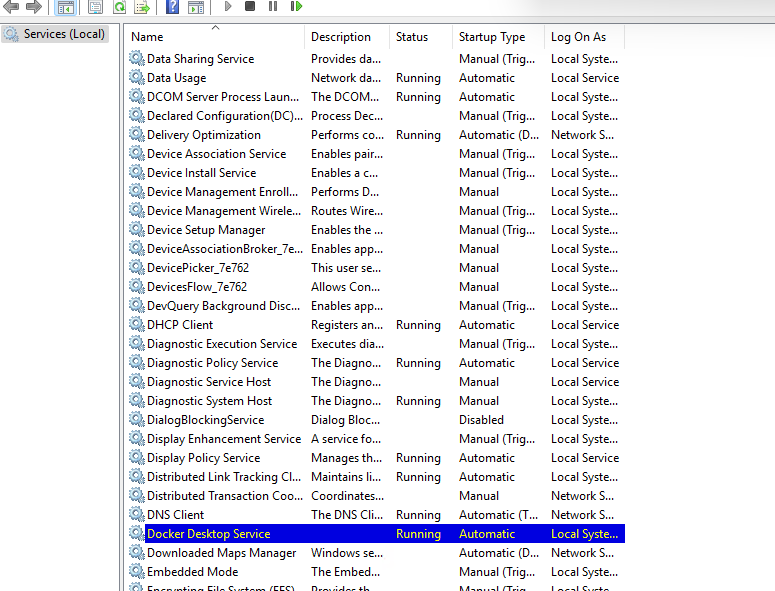


docker: error during connect: Post "http://%2F%2F.%2Fpipe%2FdockerDesktopLinuxEngine/v1.47/containers/create?name=setup": EOF.

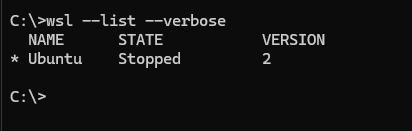


**Troubleshooting**

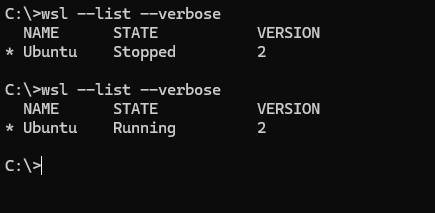
Restart Docker service



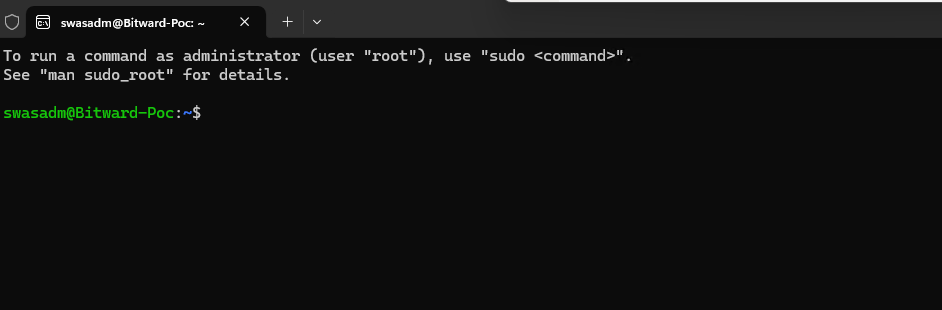
wsl --list --verbose



wsl --list --verbose

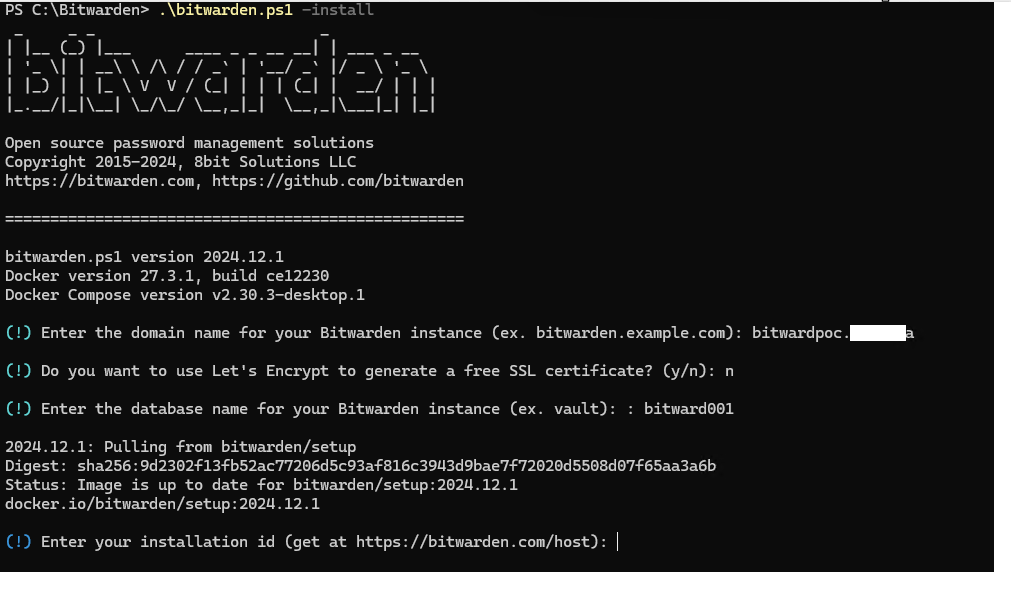


Started the Ubuntu system



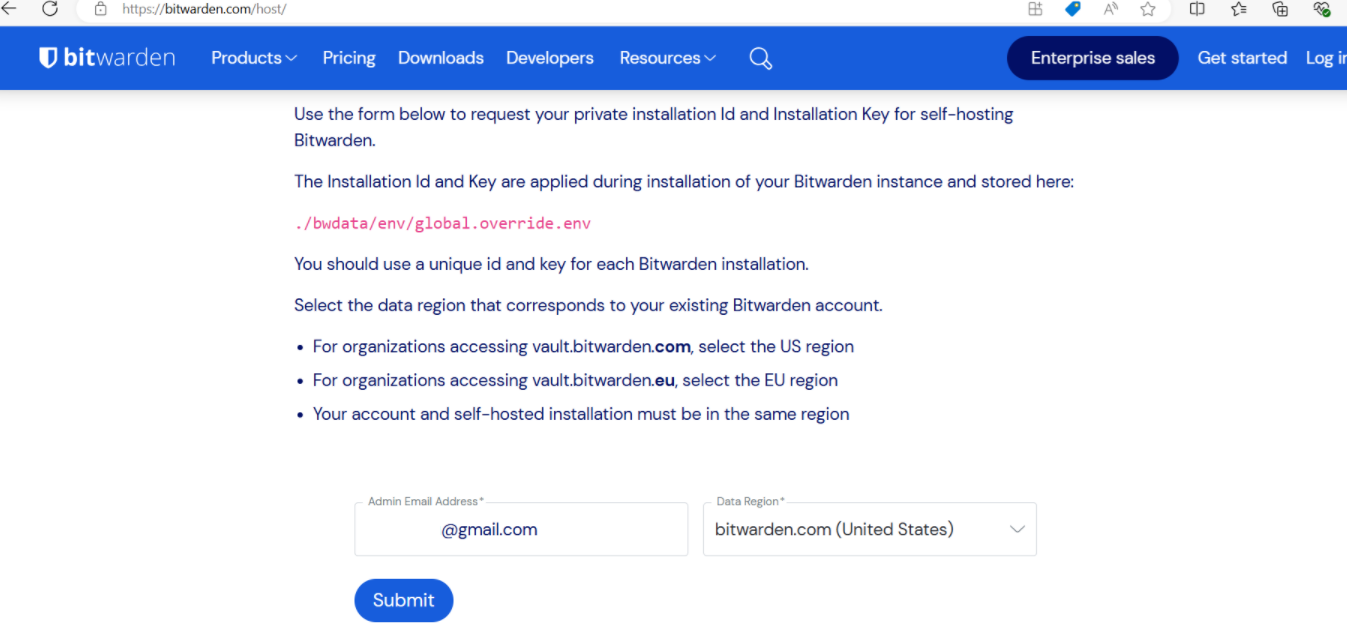
**After troubleshooting, reattempted once again to run**

.\bitwarden.ps1 -install

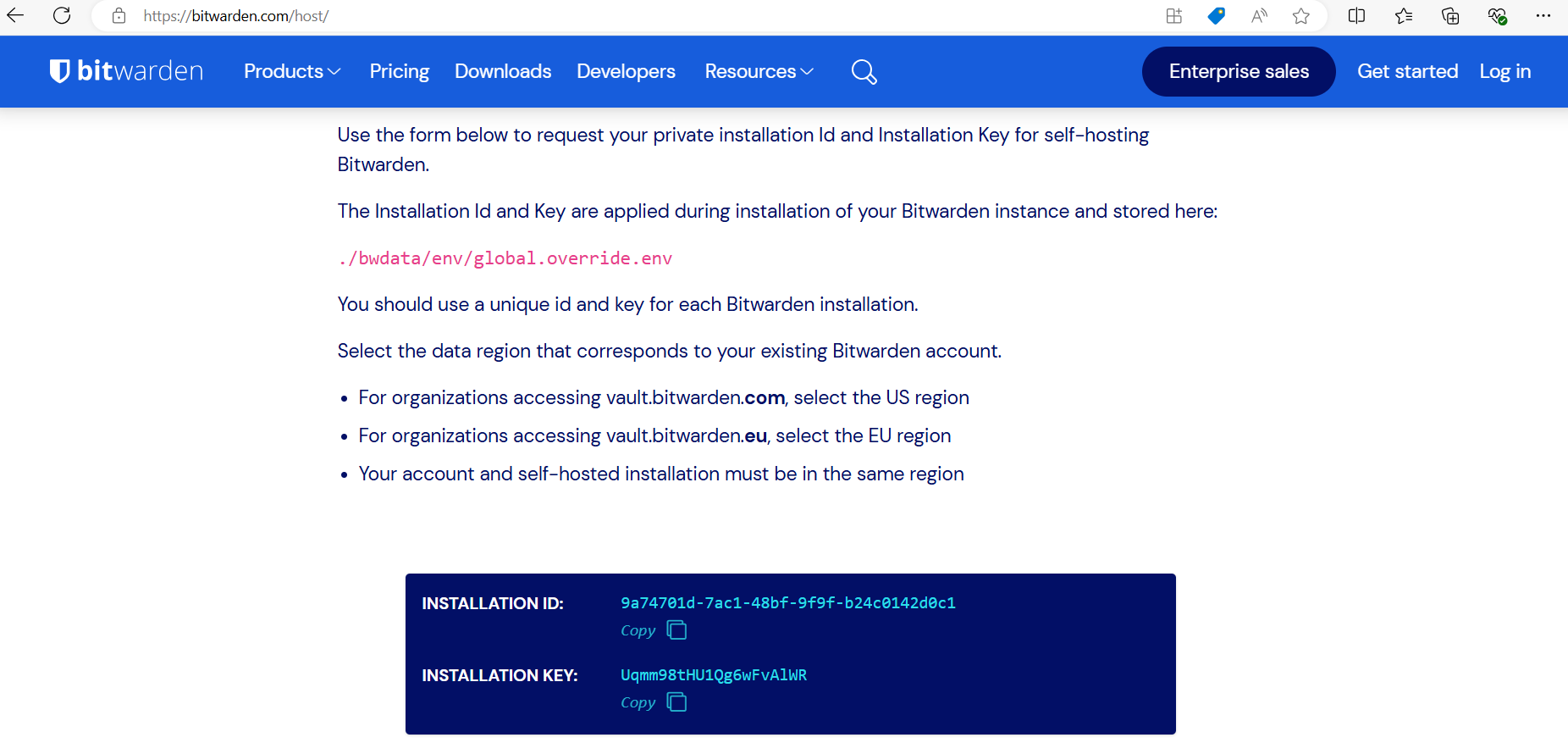


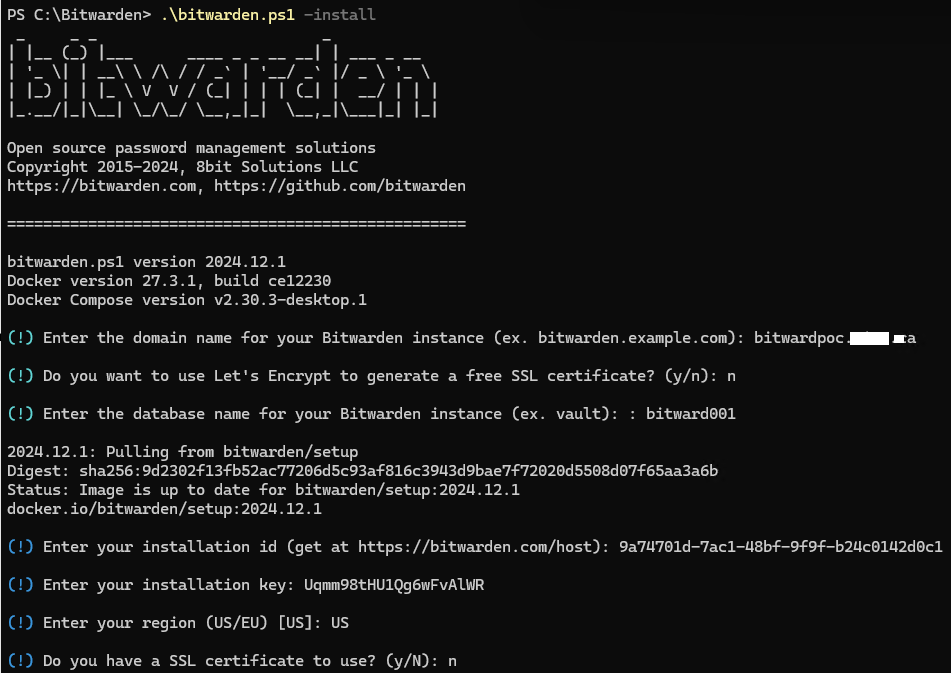
Request hosting Bitwarden Installation key Id

[Requesting Hosting Installation ID & Key | Bitwarden](https://bitwarden.com/host/)



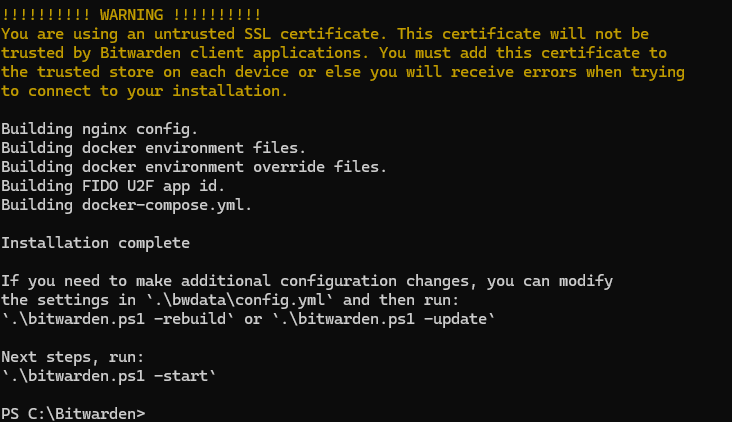
After submit



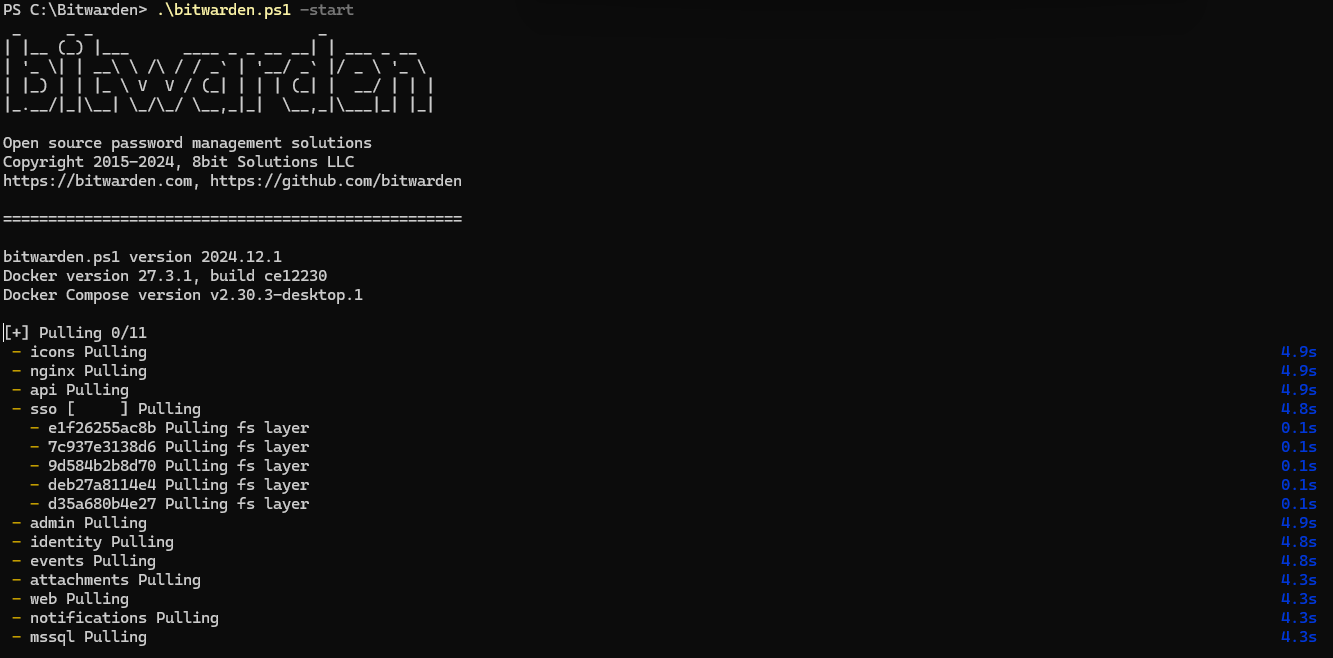


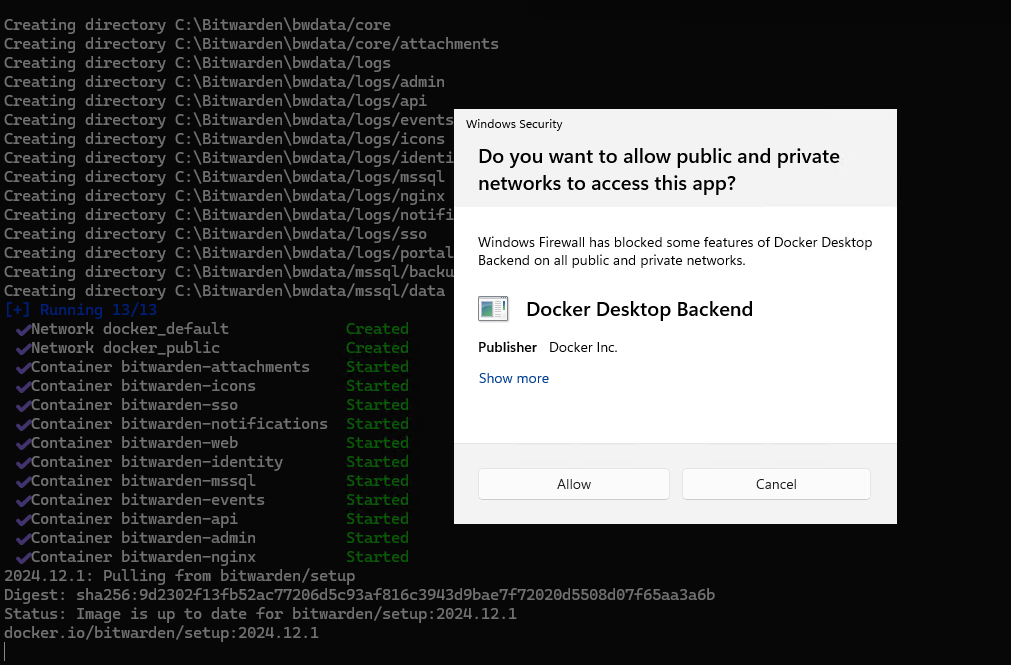


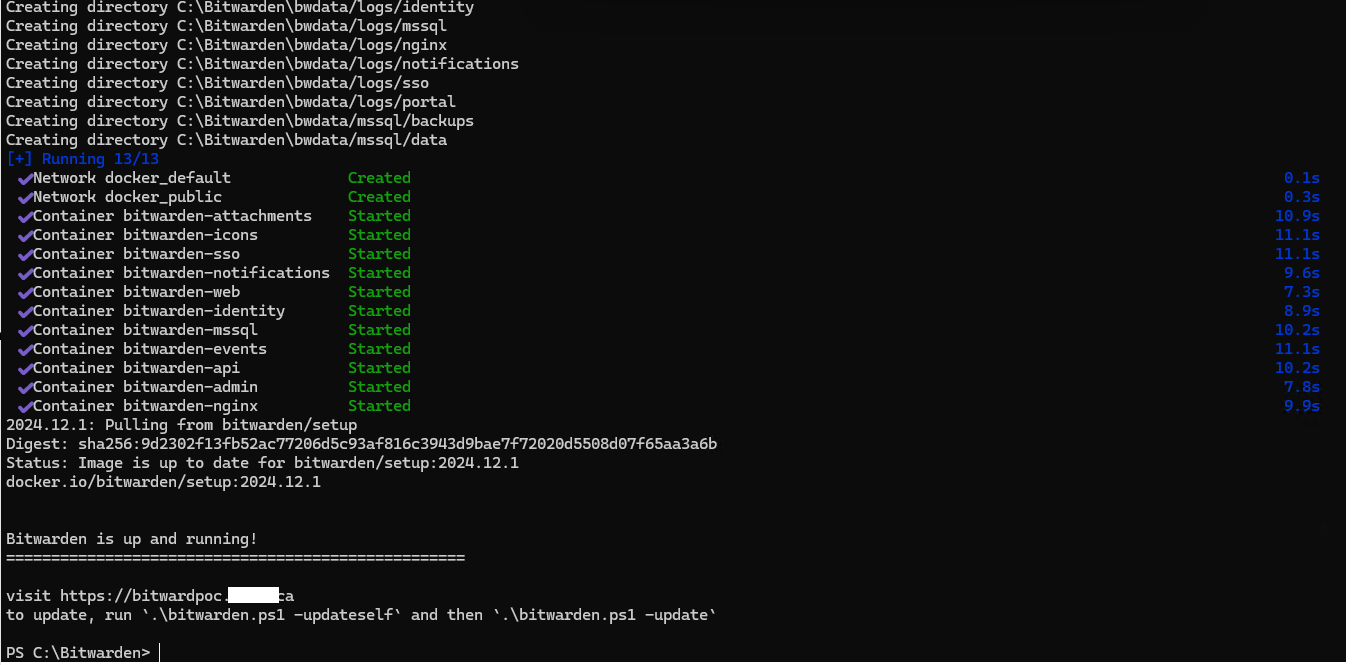




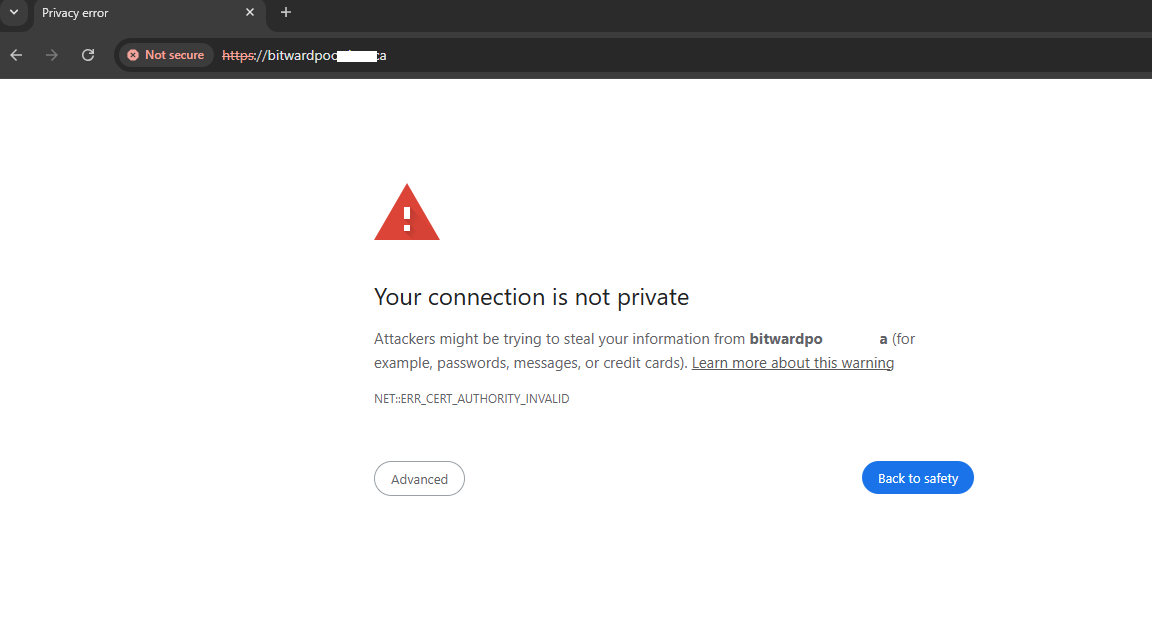
.\bitwarden.ps1 -start

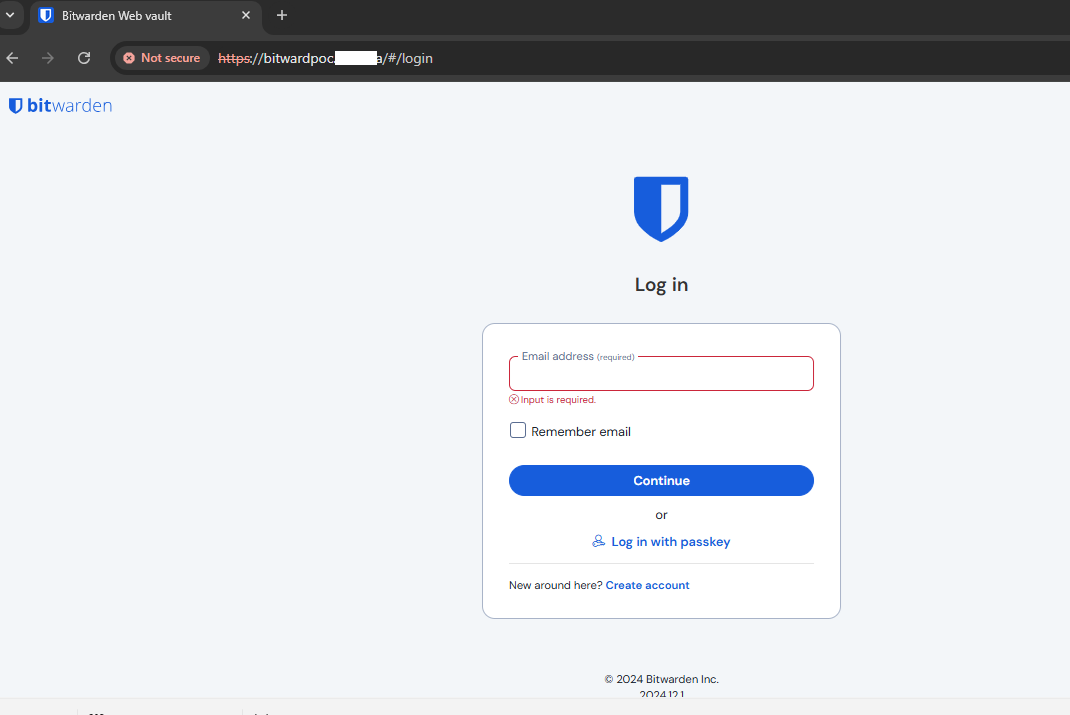




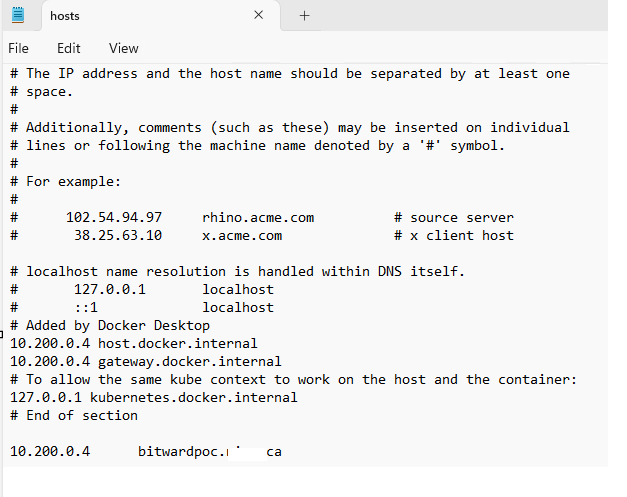


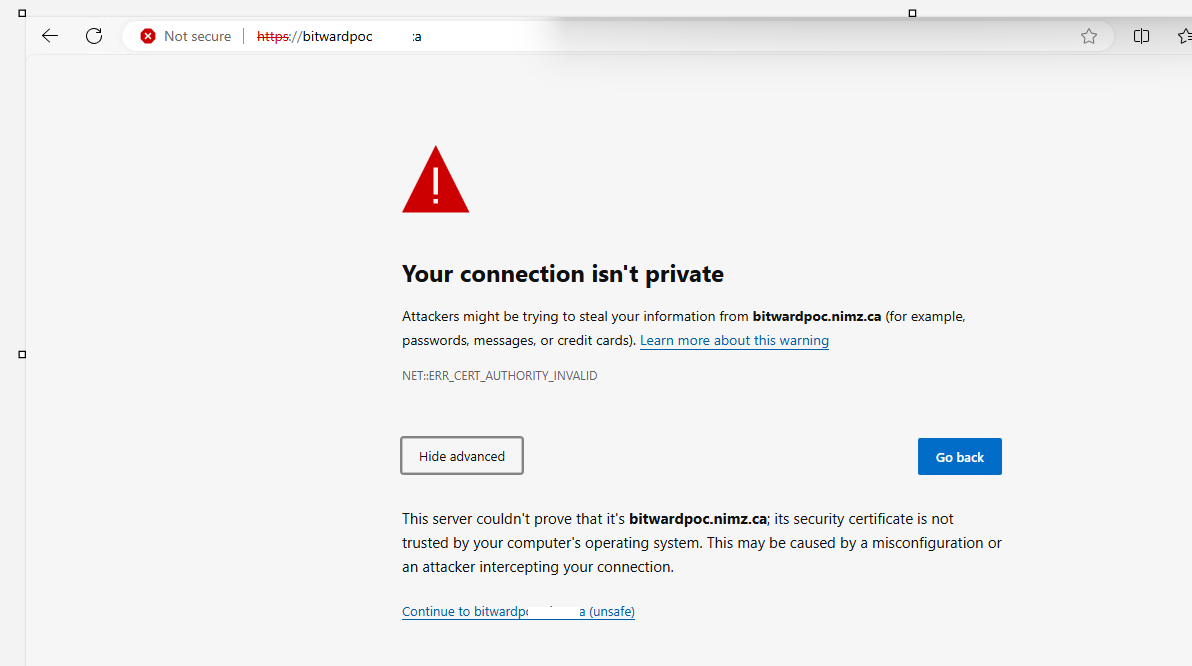
Checked from outside:

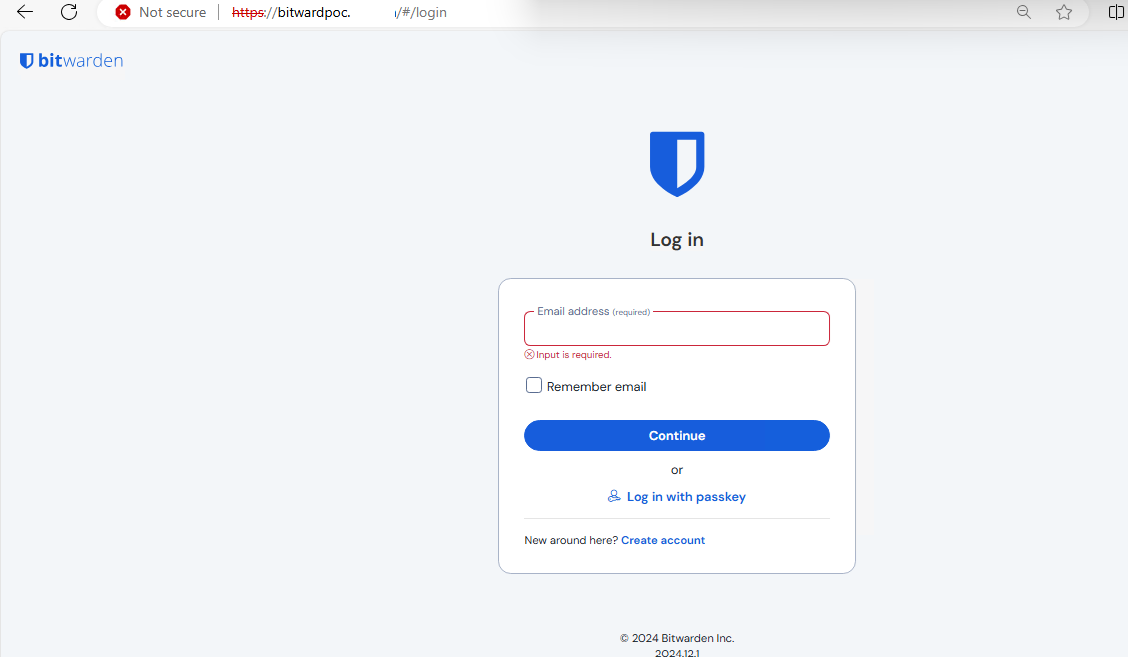


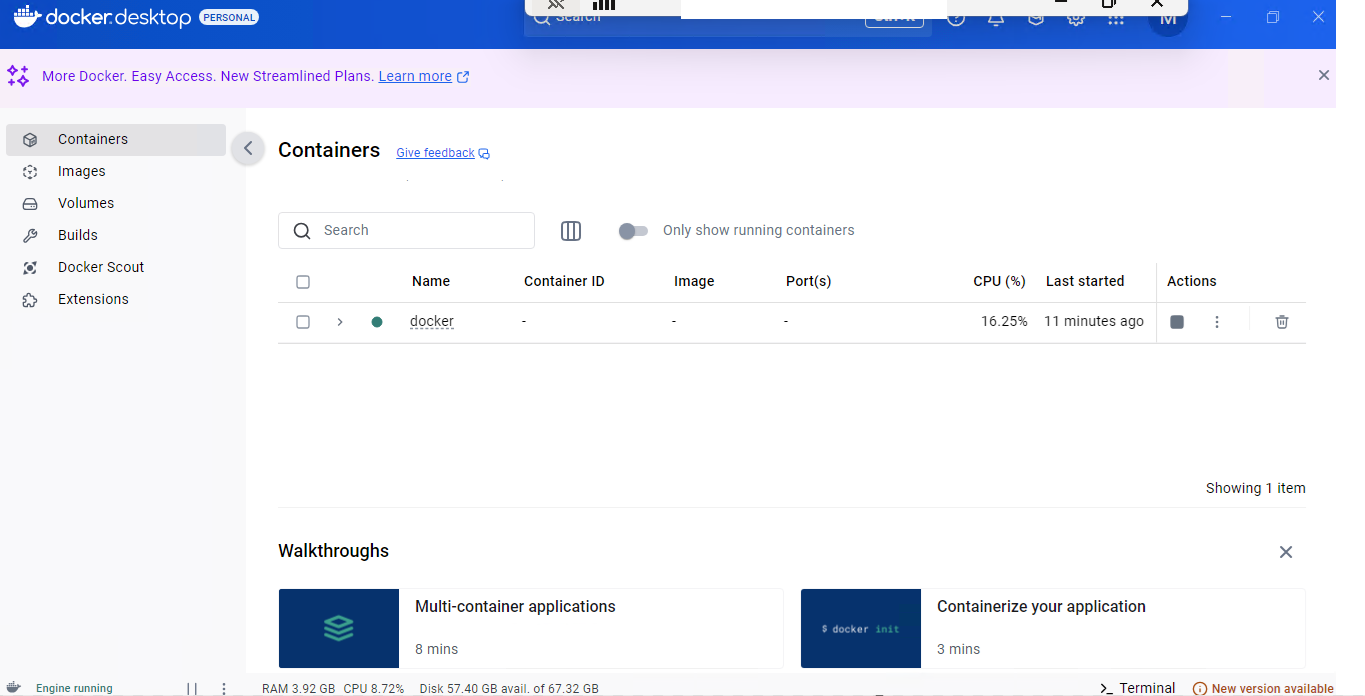


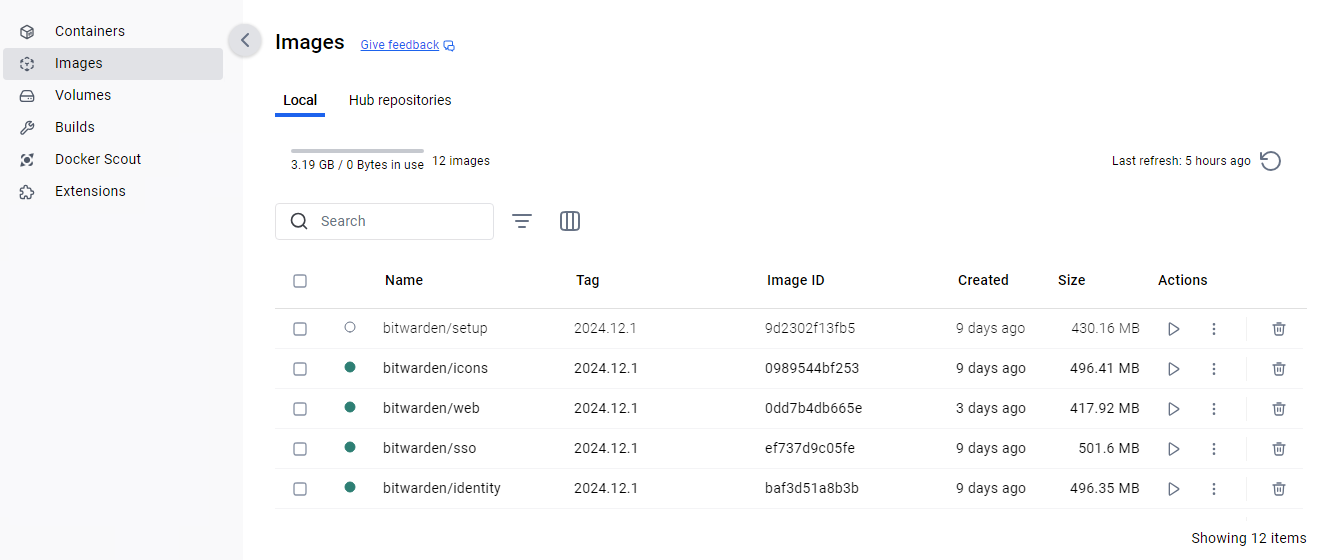
**No 3rd party ssl in use – therefore updated the internal host file on the Bitwarden machine, to access the Bitwarden console internally.**

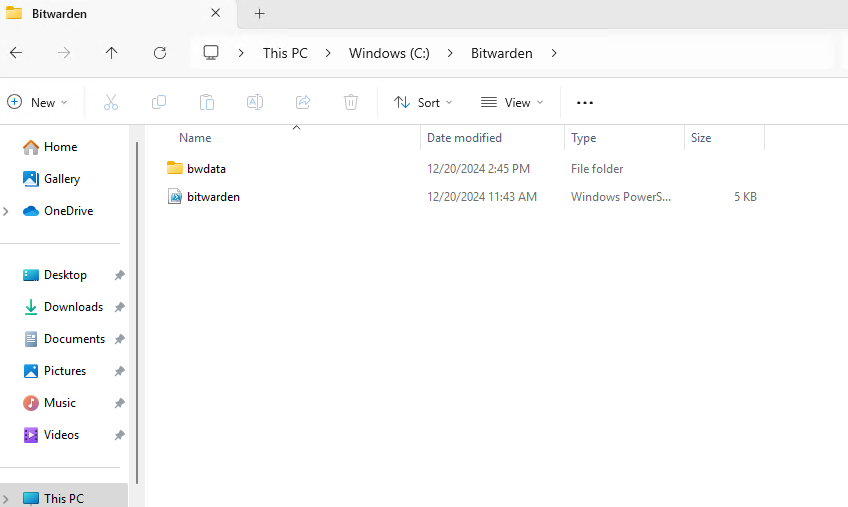


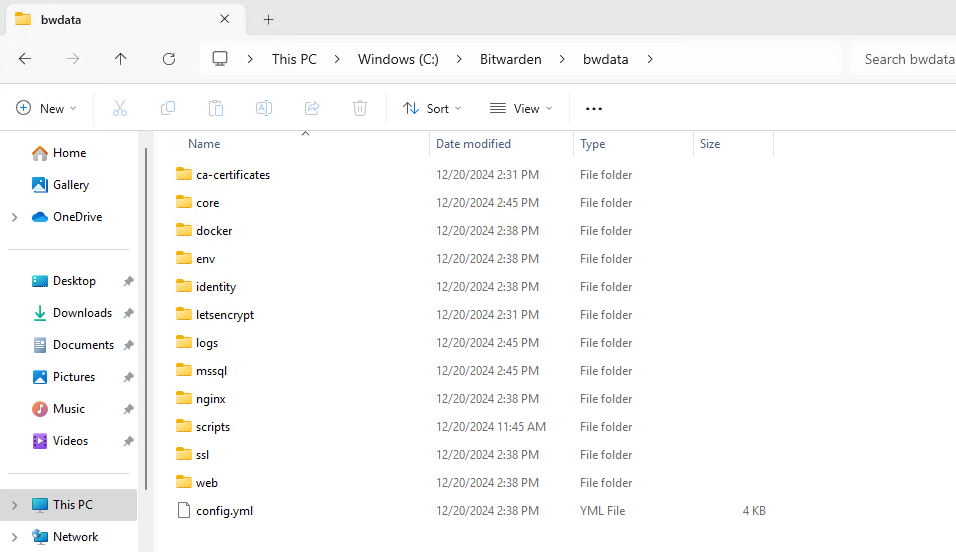






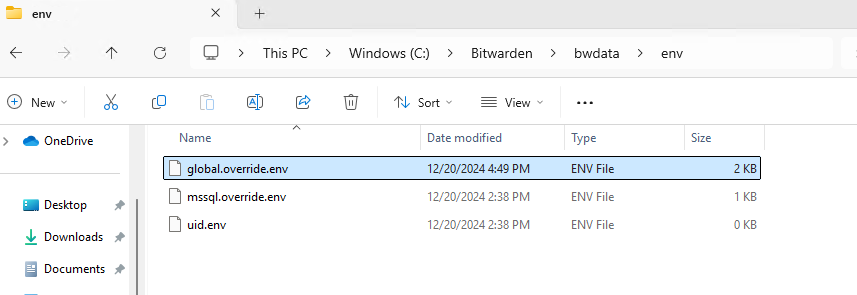






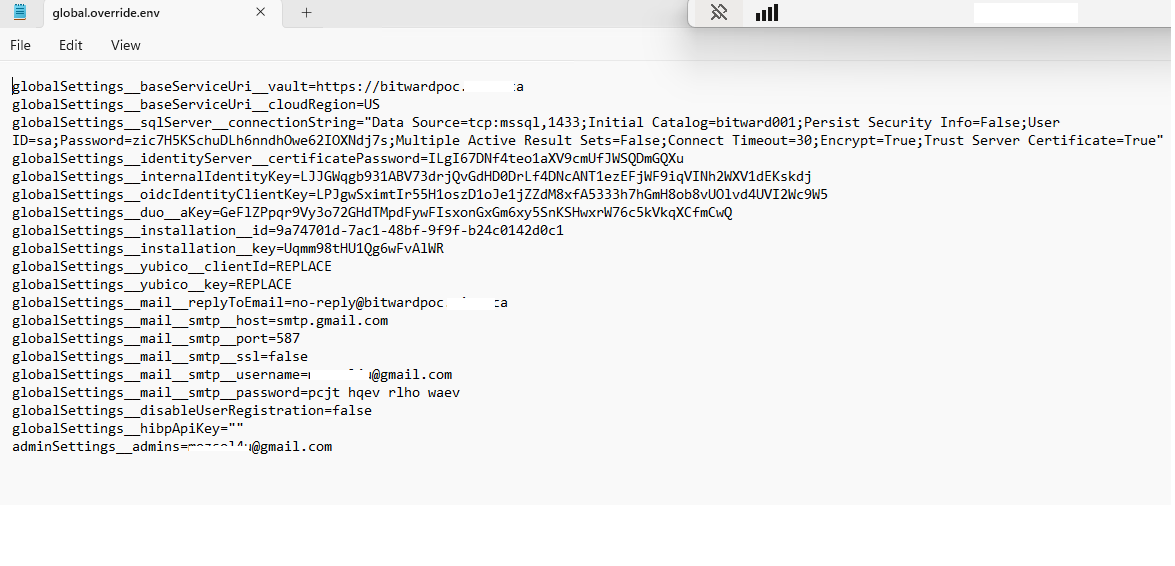
Edit the global override.env file with the following settings, open the file in Notepad with Administrator

Location of file= “C:\Bitwarden\bwdata\env”



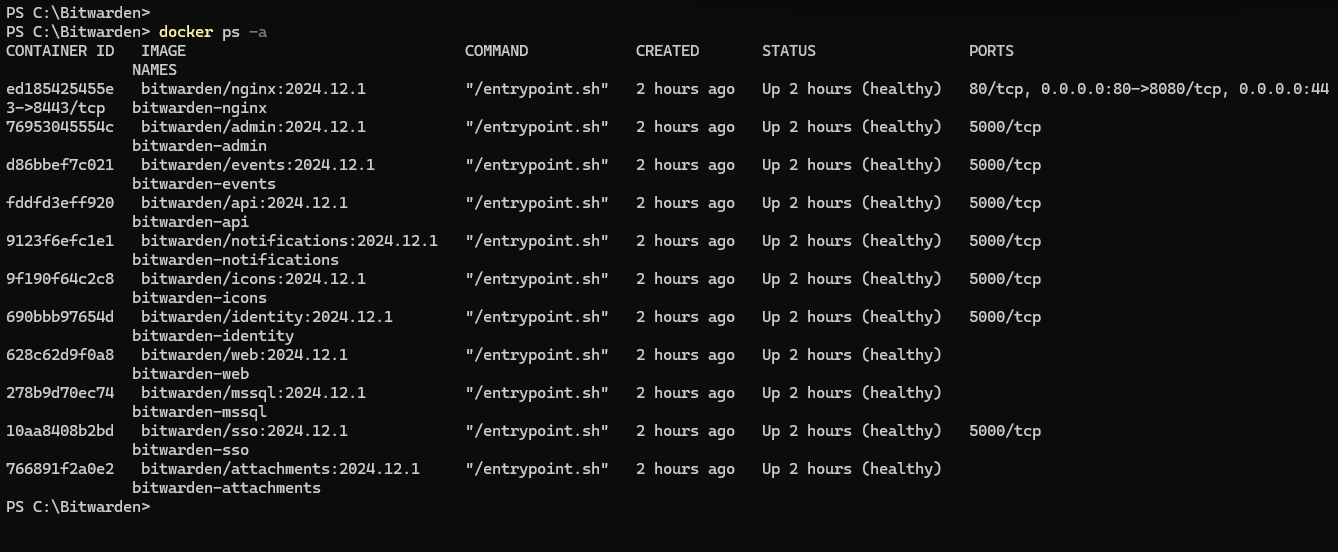
Note: Since this a test POC, No hibapikey defined

Mark the setting as= “”



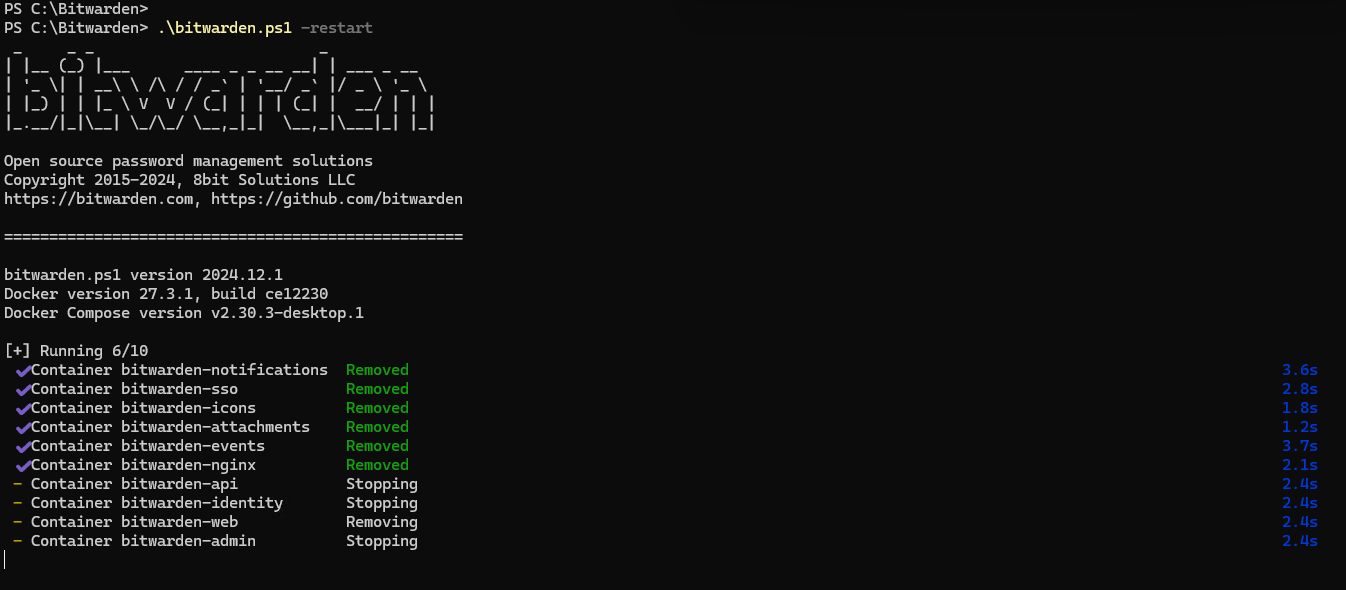
**To check the running Docker containers**

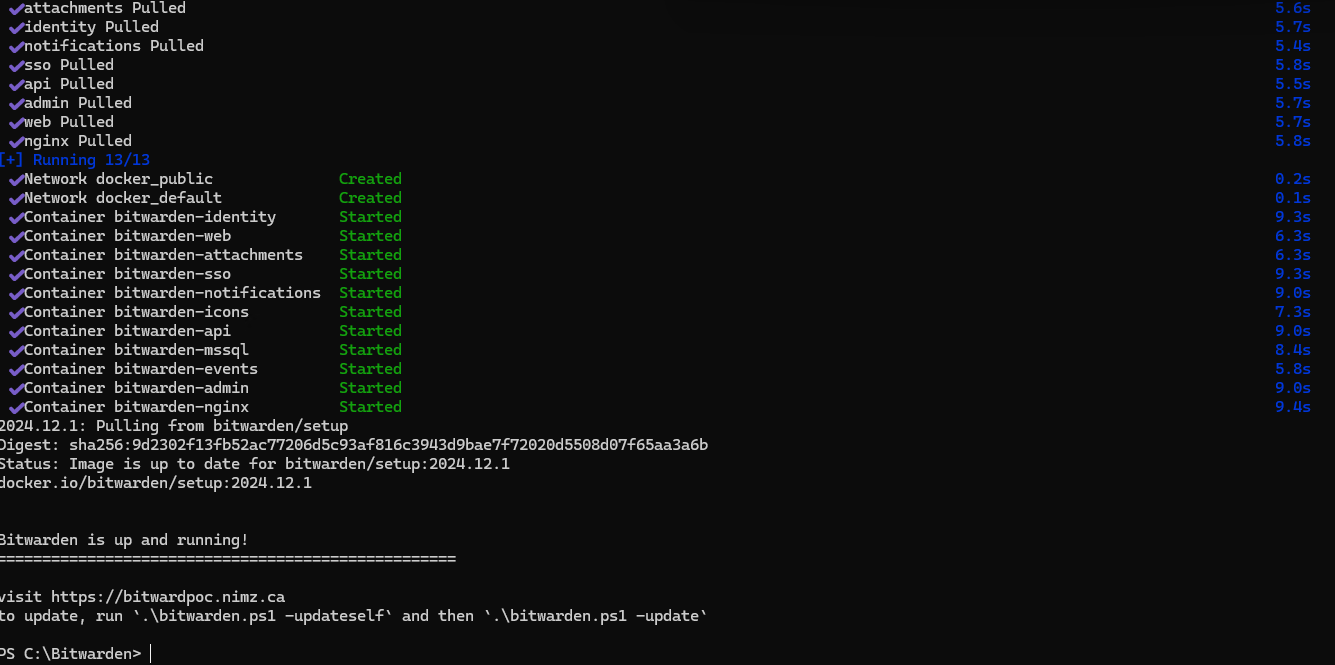
docker ps -a



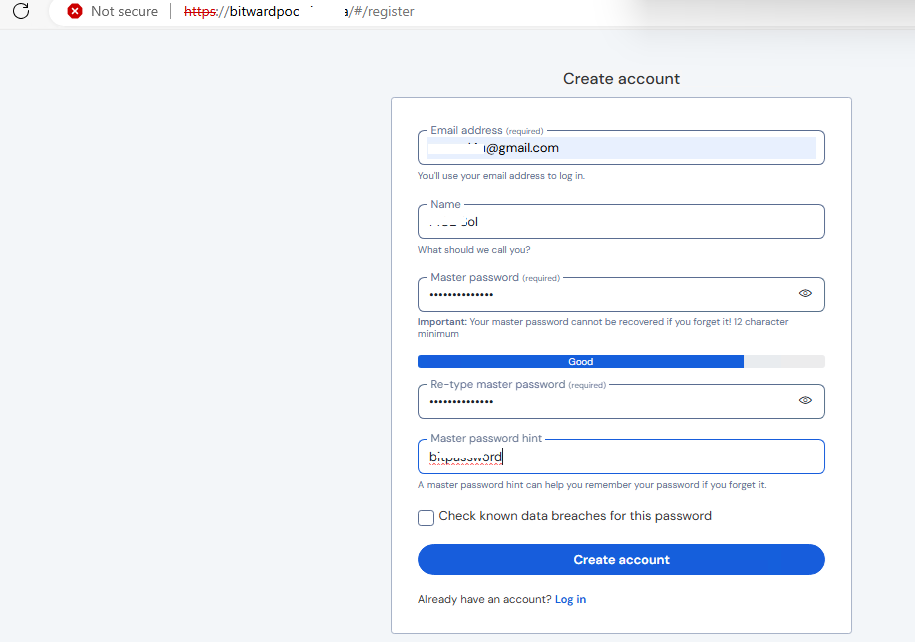
Restart Bitwarden container

.\bitwarden.ps1 -restart

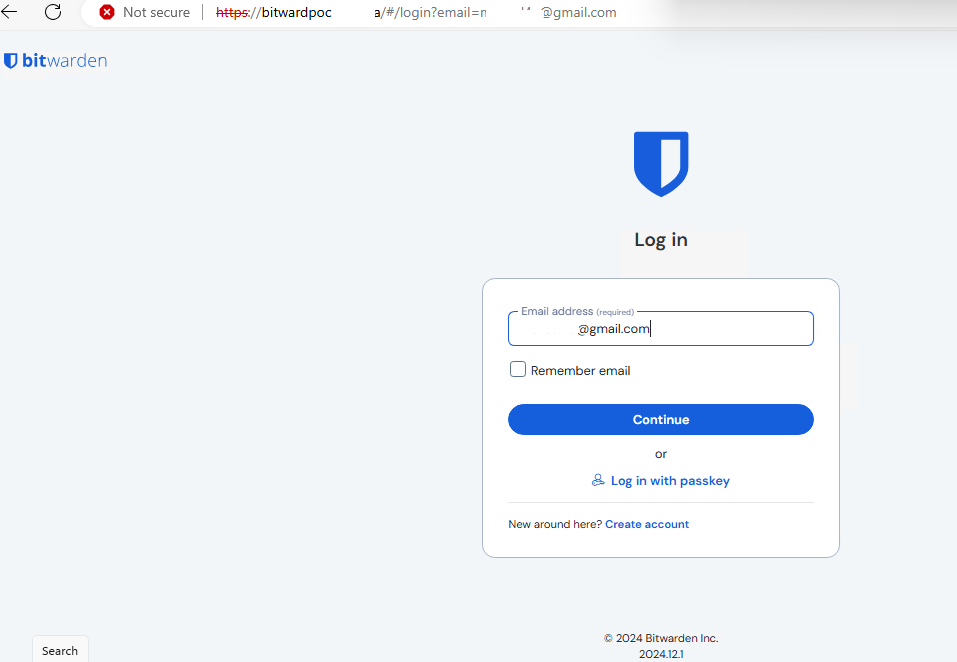


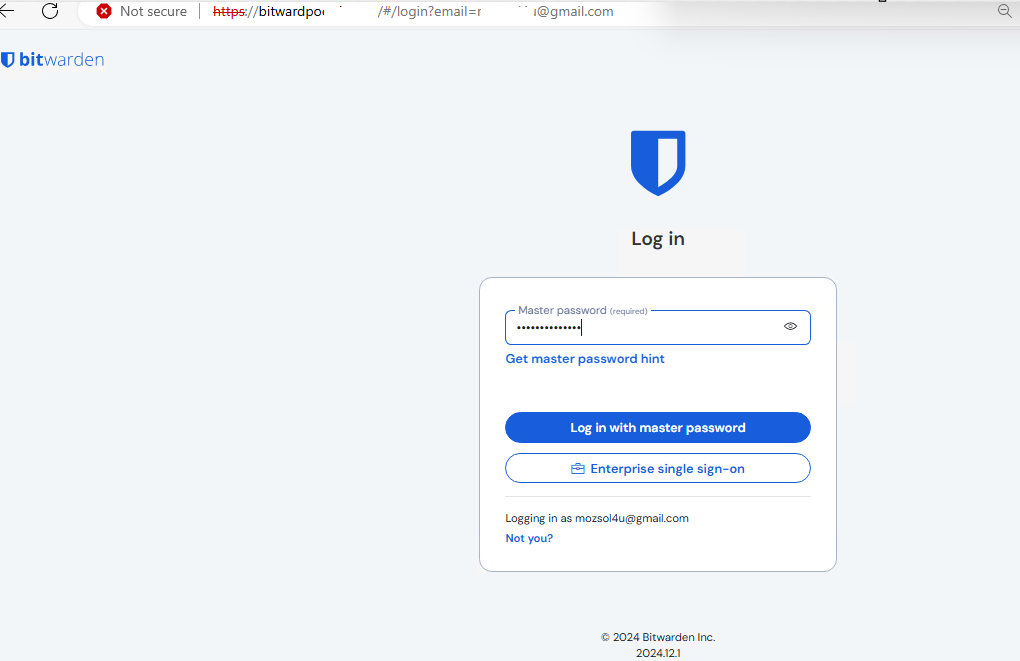


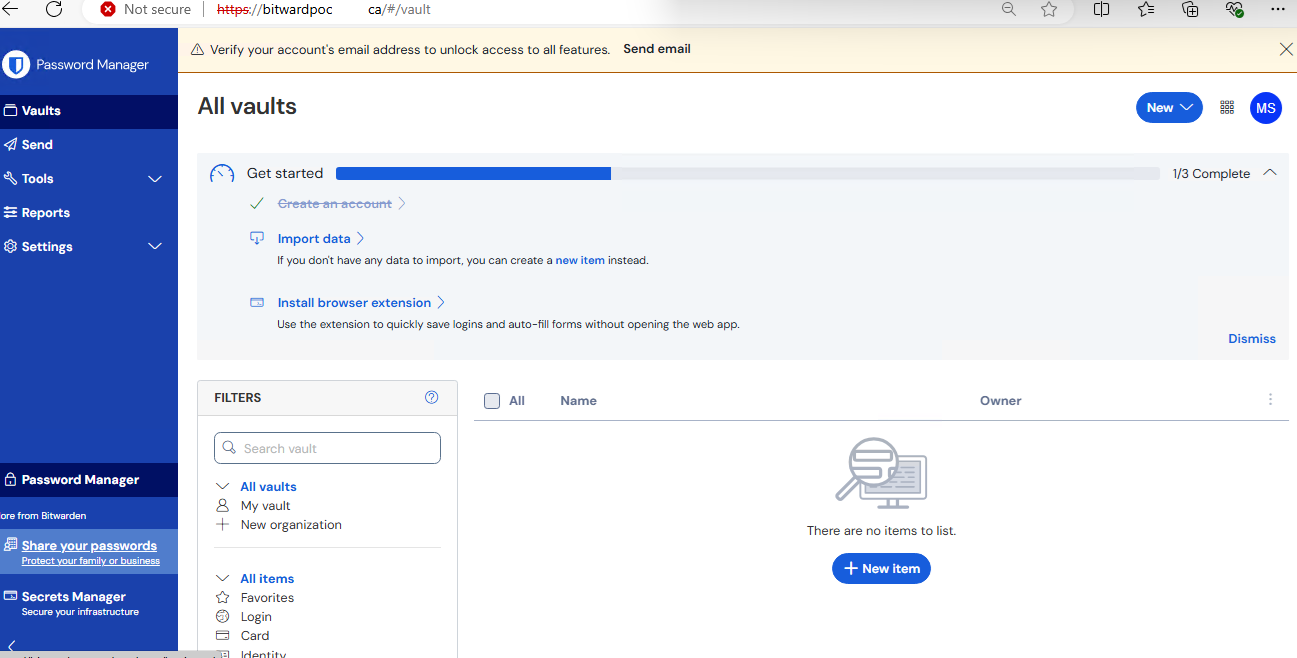
After restart the Bitwarden services, access the Bitwarden URL portal page, Click on Create Account



Login into Bitwarden portal, using the newly created account







Testing of Email (SMTP) 🡪 Click on Send email

