



Faculty IT & Research Support Team

The Faculty of Science and Environments dedicated IT Research Support Team.

FIRST work as an independent specialist engineers supporting and providing IT solutions needed for the delivery of teaching and research in FSE.
<https://livenorthumbria.ac.uk/sharepoint.com/sites/FIRST>

Document Version 1.0 | Kaveen Perera

Installing and Setting up Podman Desktop

What is Podman

Podman is a drop-in replacement to Docker. Podman / Docker allows us to run a software with preset configuration and dependencies inside an application container. Podman + WSL enable us to run Linux software containers on Windows. Podman is usually a command line interface tool often referred to as Podman CLI. Podman CLI require a Linux virtual machine to run the containers. Podman provides its own WSL Linux virtual machine. 'Podman Desktop' provides a unified Graphical user interface for Podman CLI with some additional capabilities.

Workflow

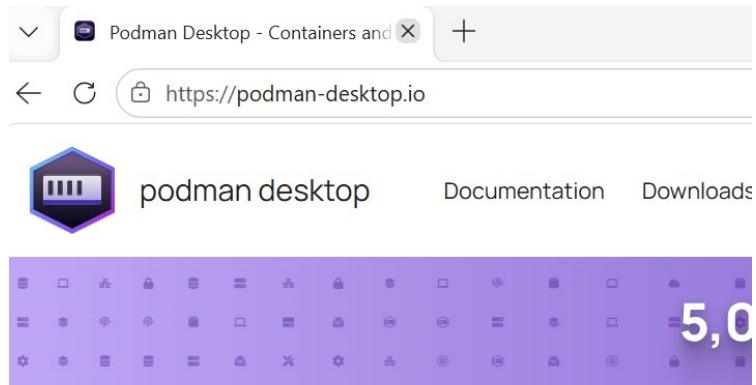
1. Install Podman Desktop
2. Install Podman CLI (*from within Podman Desktop*)
3. Install Podman virtual machine in WSL (*from within Podman Desktop*)

Instructions

(A screenshot for each step is provided on the next section)

1. Go to podman-desktop.io and go to downloads page.
2. Download the latest Podman desktop for Windows.
3. Run and complete the installation.
 - a. 'Only me' option is sufficient for personal device,
 - b. If installing on a lab PC by an administrator install it for all the users.
4. Optionally allow public and private network access (with administrator access).
5. Open Podman-desktop, select only the 'Podman' option and click 'Start Onboarding'
6. Click Next to Install Podman CLI and confirm when prompted.
7. When prompted, select the WSLv2 option and complete the installation.
8. Click Next twice to install Podman Virtual Machine
9. Accept the default options and click 'Create'. This step might take several minutes.
10. Click next to complete the onboarding process
11. Explore Podman desktop dashboard

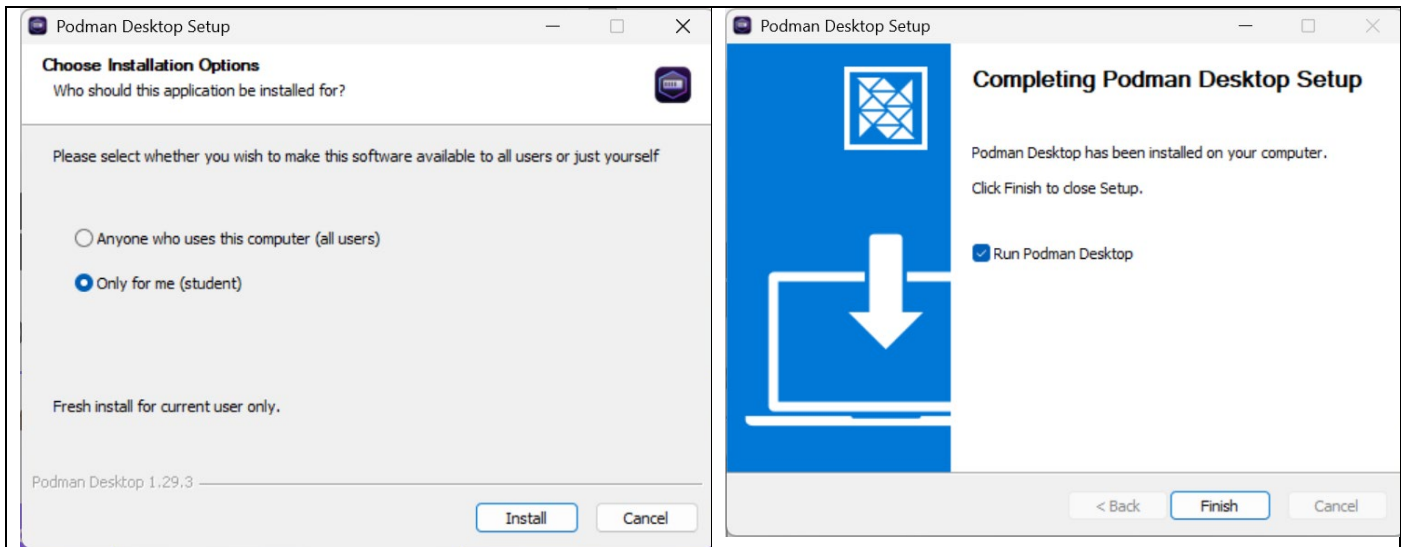
Screenshots



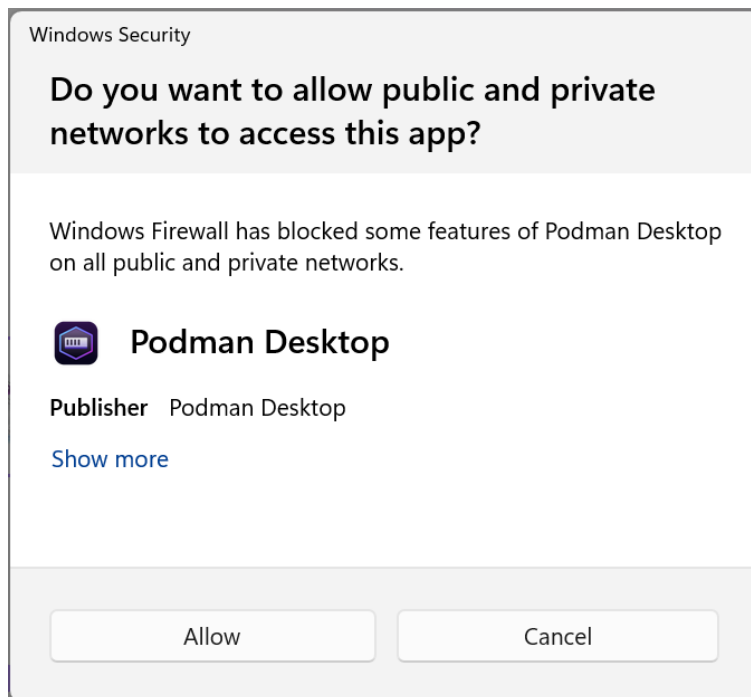
Step 1: Go to podman-desktop.io and go to downloads page.



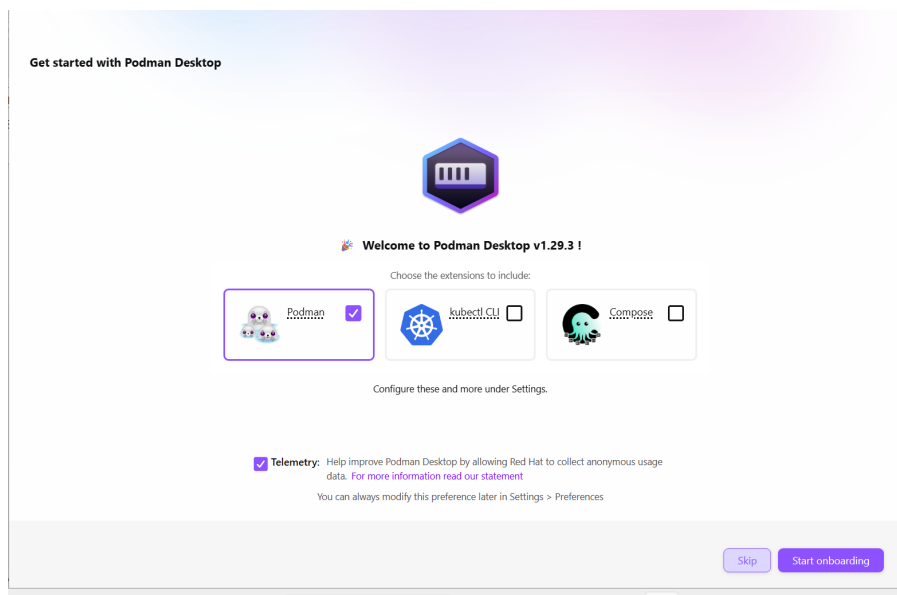
Step 2: Download the latest Podman desktop for Windows



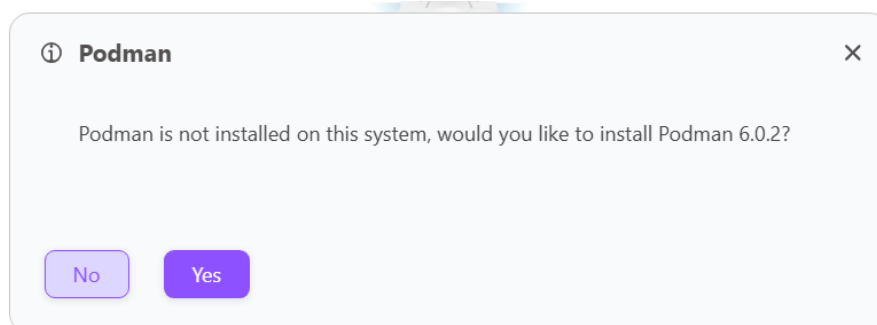
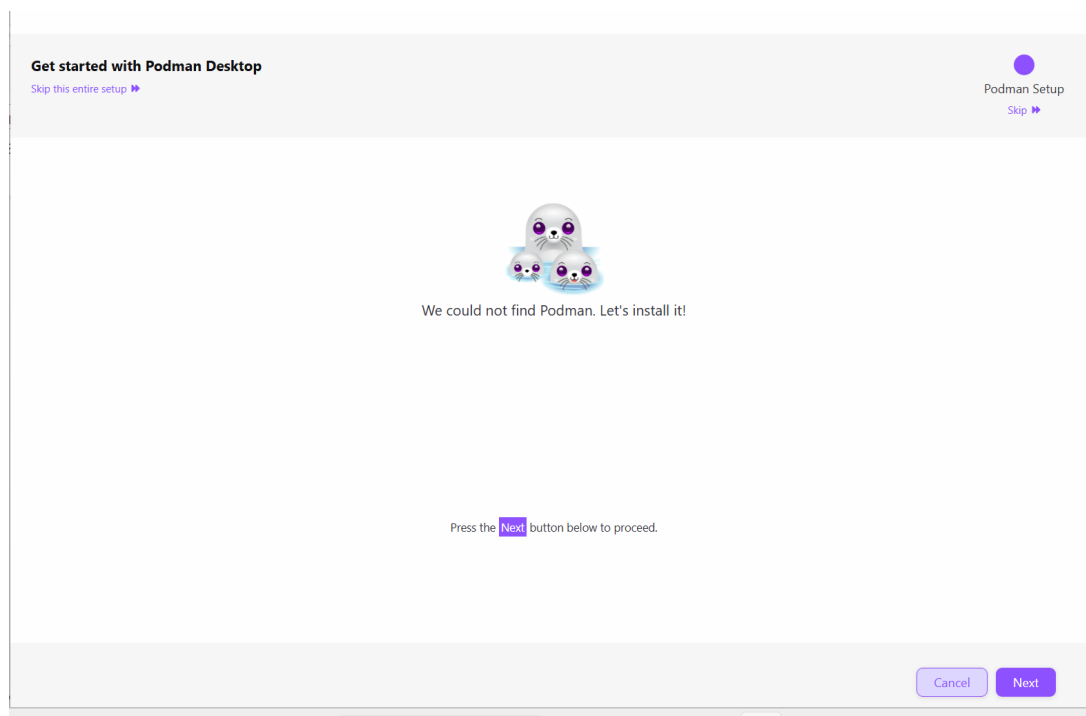
Step 3: Run and complete the installation.



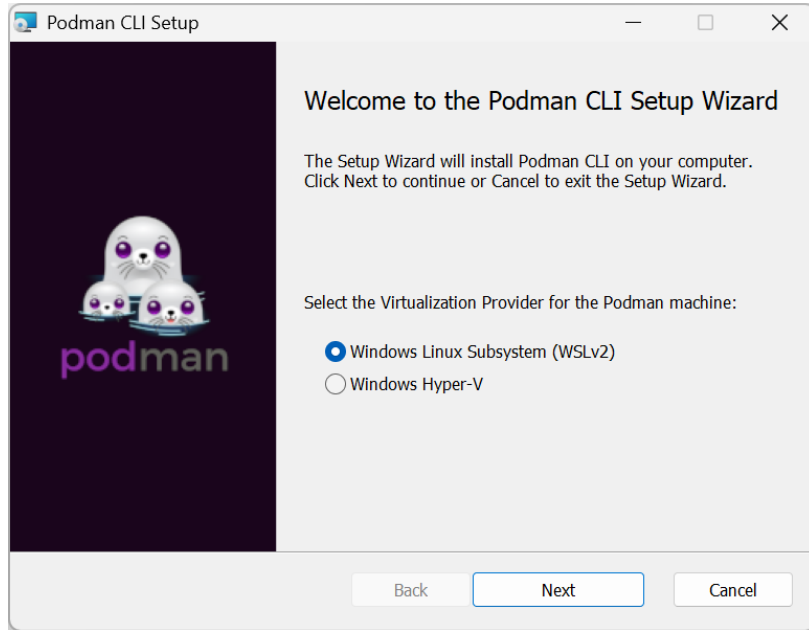
Step 4: Optionally allow public and private network access (with administrator access)



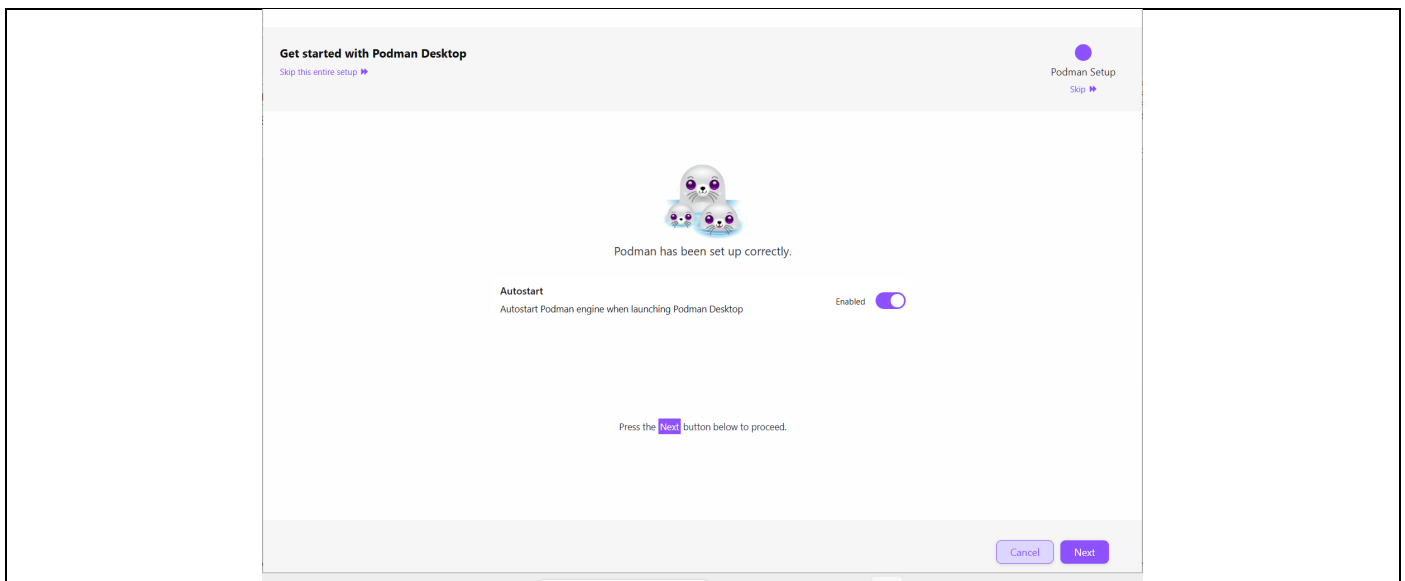
Step 5: Open Podman-desktop, select only the 'Podman' option and click 'Start Onboarding'

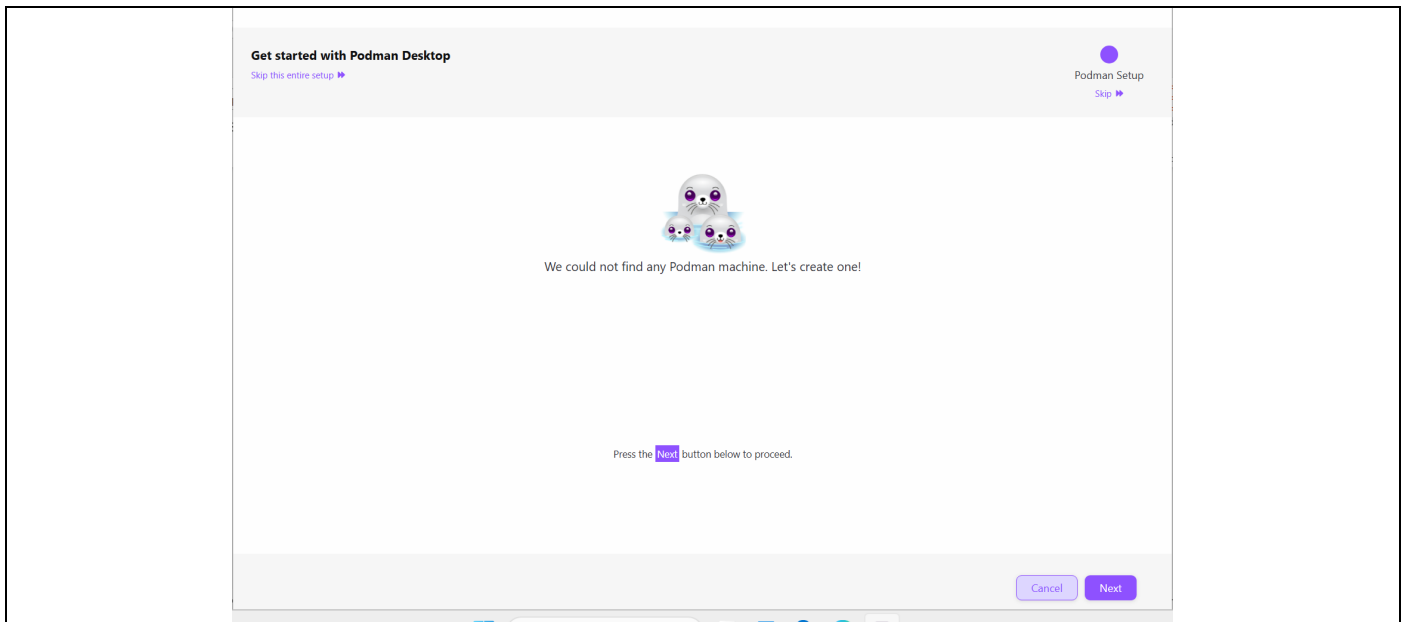


Step 6: Click Next to Install Podman CLI and confirm when prompted.

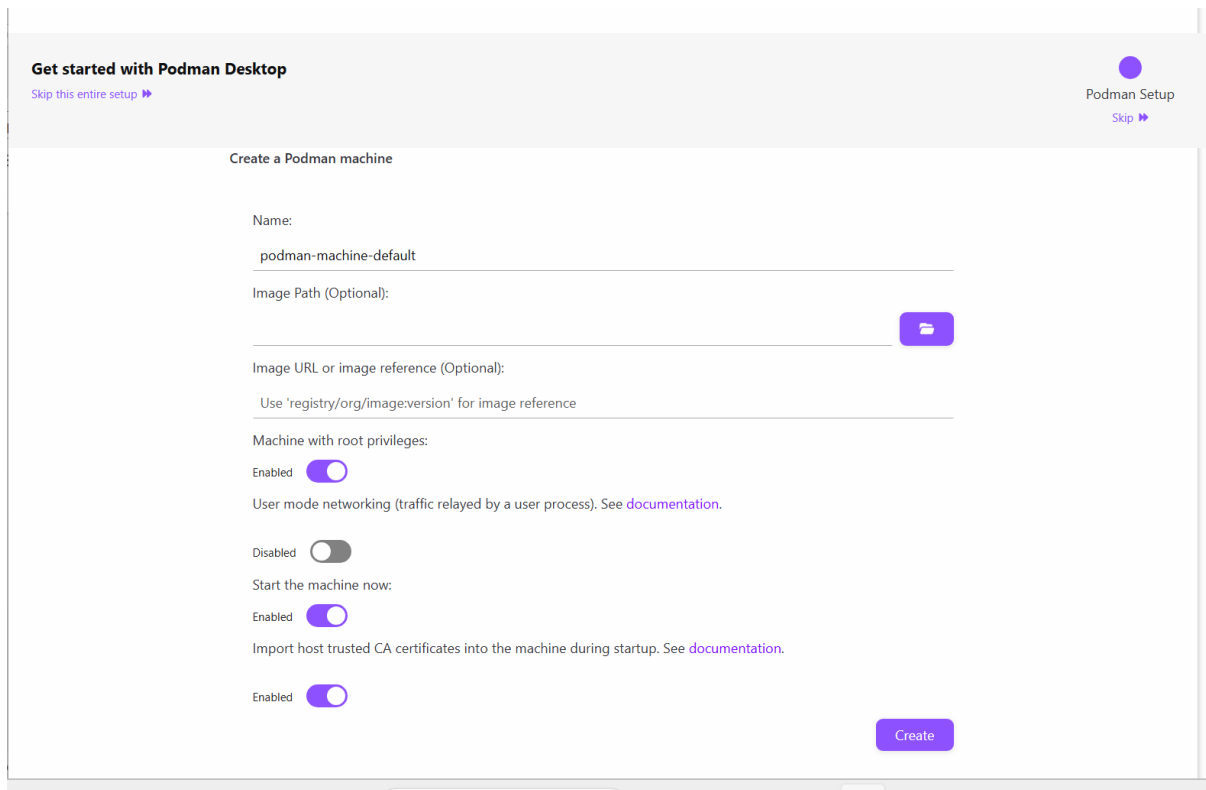


Step 7: When prompted, select the WSLv2 option and complete the installation.

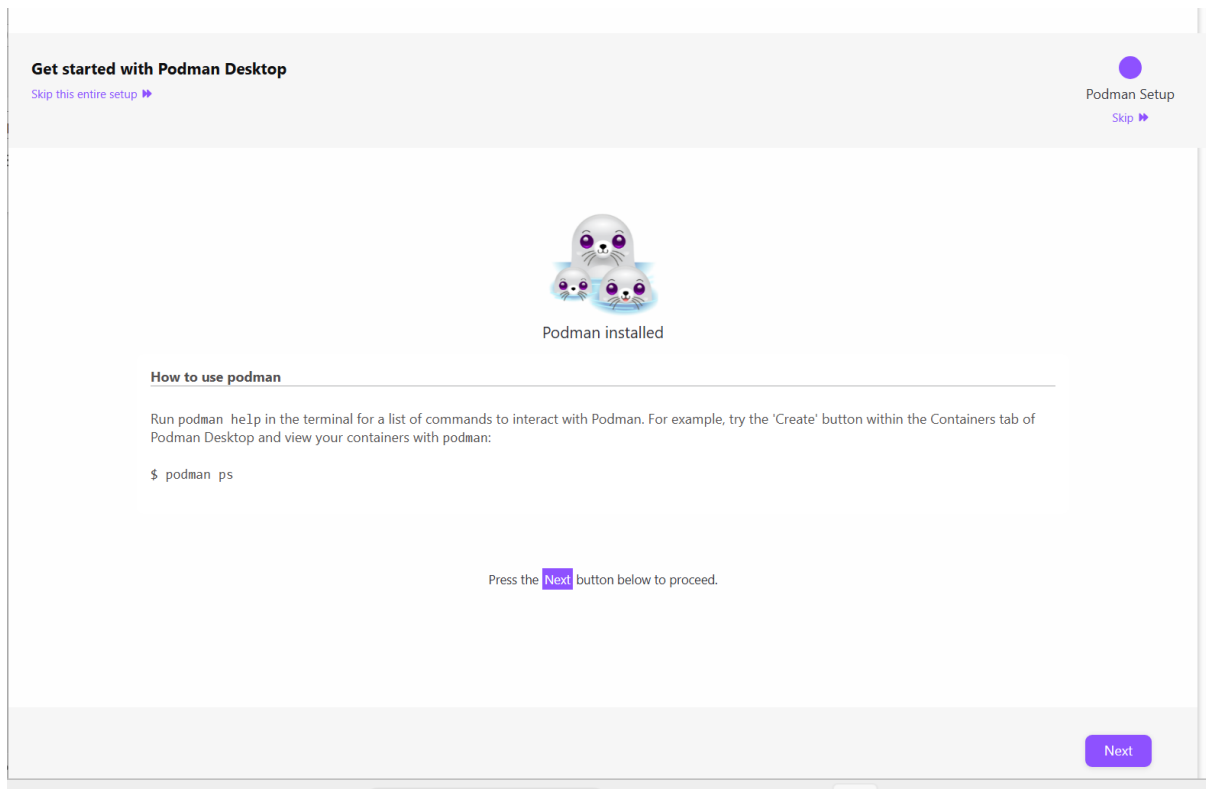




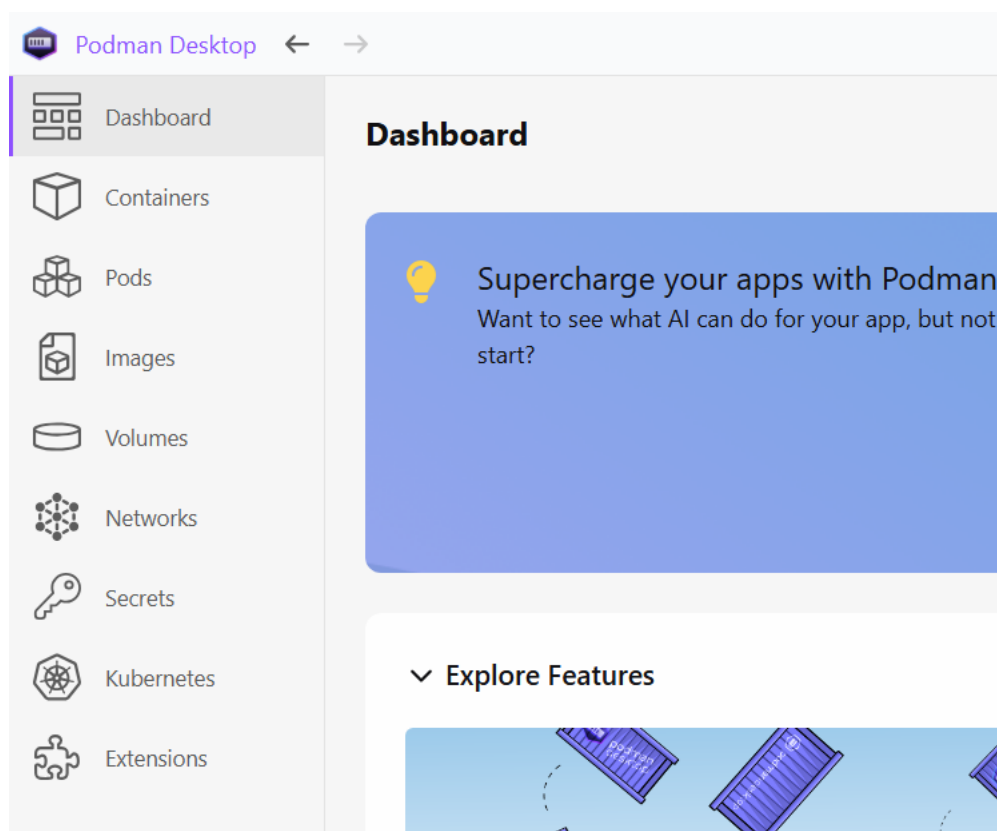
Step 8: Click Next twice to install Podman Virtual Machine



Step 9: Accept the default options and click 'Create'. This step might take several minutes.



Step 10: Click next to complete the onboarding process



Step 11: Explore Podman desktop dashboard