

# Install Nanopore EPI2ME Software on Windows computer

Followed by installation of  
Bacterial assembly and annotation workflow

Version: March 2025



**Utrecht  
University**



**World Health  
Organization**



Minimal Requirements for Computer/Laptop to install and run Epi2ME:

## Compute requirements

Recommended requirements:

- CPUs = 16
- Memory = 64GB

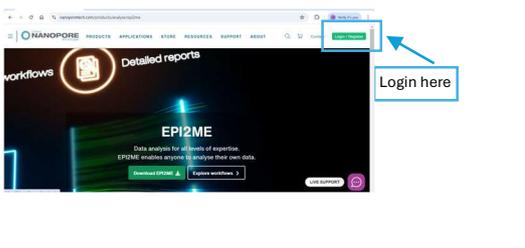
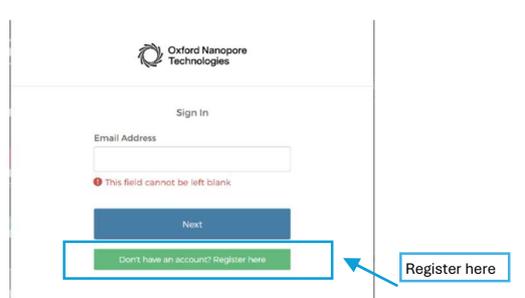
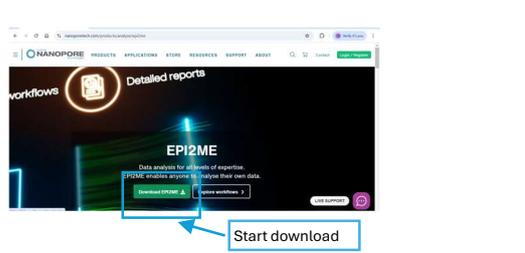
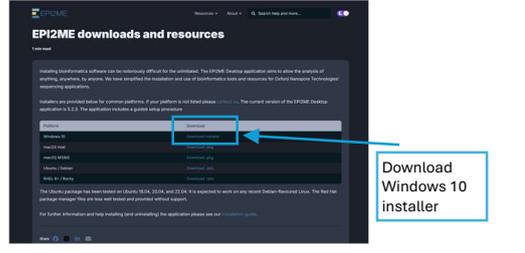
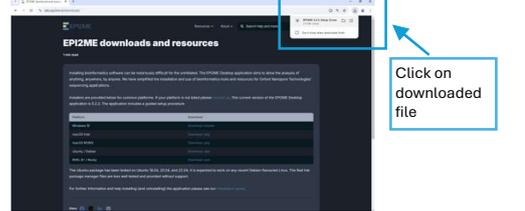
Minimum requirements:

- CPUs = 8
- Memory = 32GB

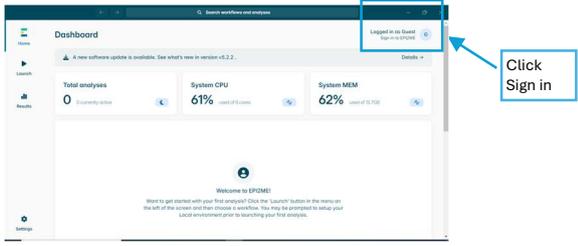
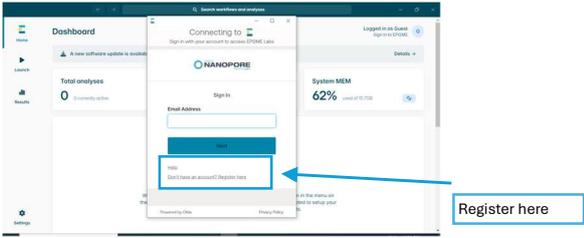
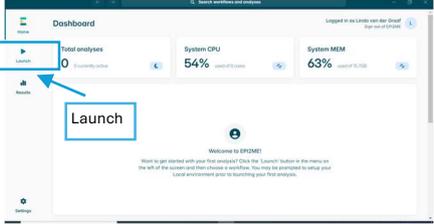
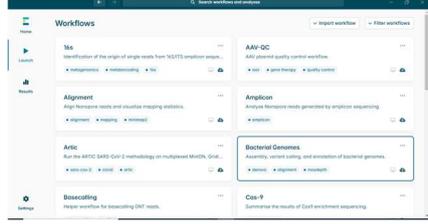
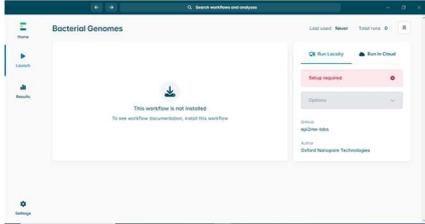
Approximate run time: 20-40 minutes per sample with ~50x coverage using minimum requirements

ARM processor support: True

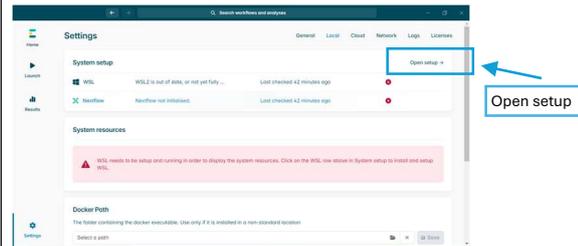
# Install Nanopore Epi2ME software on Windows computer

<p>Navigate to Nanopore Epi2Me website:</p> <p><a href="https://nanoporetech.com/products/analyse/epi2me">https://nanoporetech.com/products/analyse/epi2me</a></p> <p>Click on Login / Register</p>	
<p>Login with an existing account Or Create a new account by clicking “Don’t have an account? Register here”</p> <p>After registration, login with the new account</p>	
<p>Click on “Download EPI2ME”</p>	
<p>Click on “Windows 10” Platform – Download installer</p> <p>Additional: This page contains also the “installation guide” for help to (un)install the software</p>	
<p>Wait till download has finished and click on the downloaded file to start installation of EPI2ME</p>	
<p>After installation, the EPI2ME software is available and a desktop shortcut is created</p>	
<p>EPI2ME software can be started by clicking on Desktop Shortcut Icon</p>	

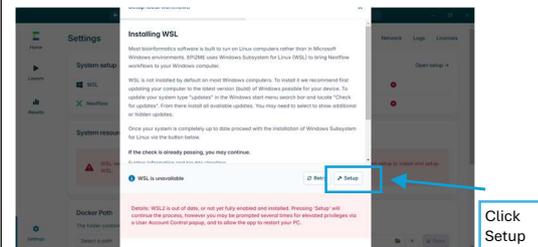
# Install Nanopore Epi2ME - Bacterial Assembly and Annotation Workflow

<p>Open EPI2ME software and “Sign in”</p> <p>If you do not have an account, click “Continue as a guest”</p>	
<p>As guest: Click “Sign in to EPI2ME”</p>	
<p>As guest: Click “Don’t have an account? Register here”</p> <p>Register and login</p>	
<p>After login, click “Launch”</p>	
<p>Click on “Bacterial Genomes”</p>	
<p>Normally, setup is required before installing the workflow</p> <p>Click on “Setup required”</p>	

Check if WSL and Nextflow are installed.  
If not (red cross), click “open setup”

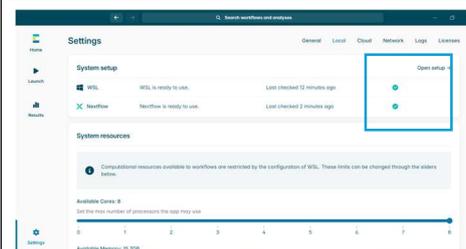


To install WSL, click “Setup” to start installation of WSL and Nextflow



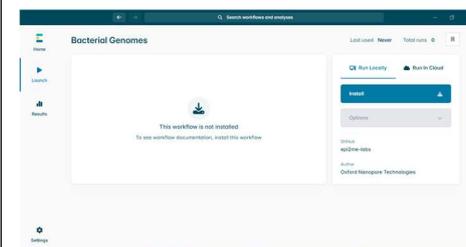
After installation of WSL and Nextflow, check if installation was successful – green checkmark will appear

WSL and Nextflow are ready to use

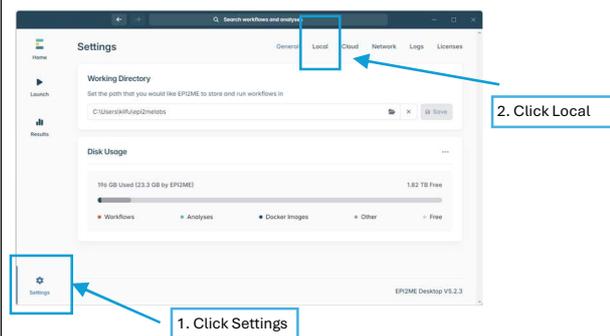


Go back to “Launch”  
Select “Bacterial Genomes”  
Click “Install” (in screen Run Locally)

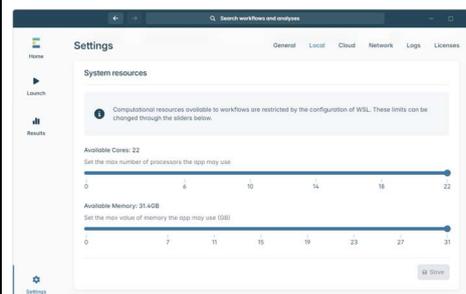
**Please note:**  
Installation can take very long (up to hours)



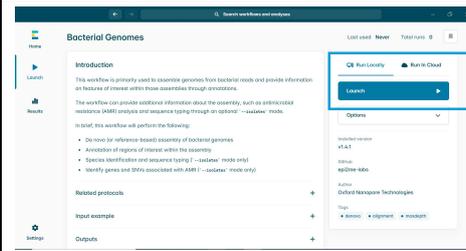
Set system resources to maximum  
1. Click “Settings”  
2. Click “Local”



Slide both “Available cores” and “Available memory” to maximum



After successful installation of the Bacterial Genomes Workflow, the button “Launch” will appear, to be used to analyse Nanopore sequencing data.

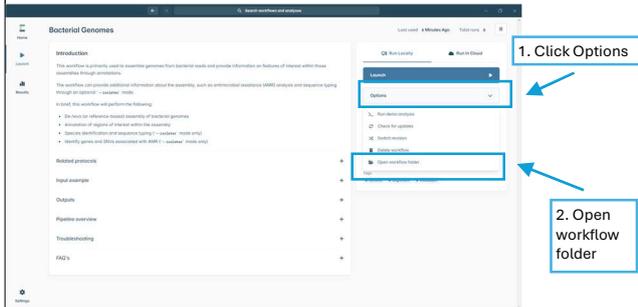




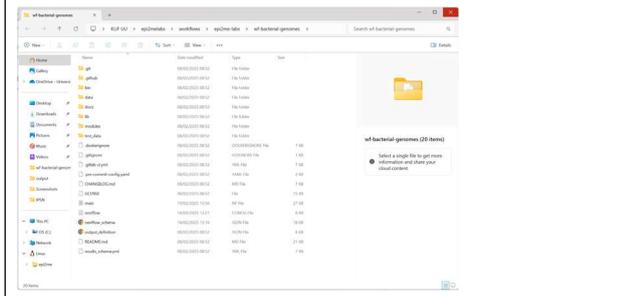


Navigate back to Bacterial Genomes Workflow

3. Click "Options"
4. Click "Open workflow folder"



Open file "main" in text editor



Scroll down to "process deNovo" and change memory "31 GB" to "24 GB"

Save file



Open file "nextflow" in text editor

Scroll down to awsbatch process and change "memory = 31 G" to "memory = 24 G"

Save file



Launch Bacterial Genomes workflow again and check if it runs without errors till "Completed"

