

PySSA Component Installer – User Guide

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Installation

Prerequisite:

- Windows 10 22H2 - Build: 19045.4529 or Windows 11 23H2 - Build: 22631.3737 or later
- Windows Subsystem for Linux 2, if [Offline Mode](#) is used (see *Modes*)

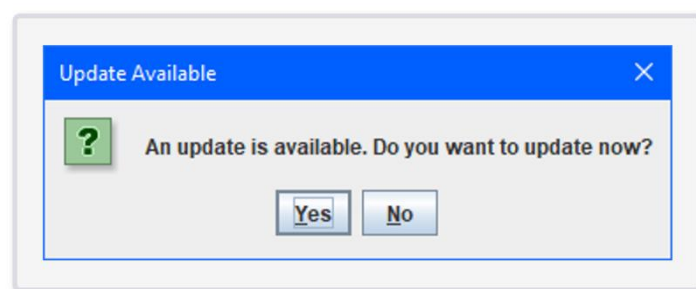
To install PySSA Component Installer (Online), run the [only_pyssa_installer_x.x.x_setup.exe](#). For the full version (including ColabFold and PySSA) run the [full_pyssa_installer_x.x.x_setup.exe](#). In both cases, follow the instructions on the screen to complete the setup. The full version enables the component installation in an offline environment.

Uninstallation

To uninstall PySSA Component Installer, go to the Windows Settings > Apps > Installed Apps > PySSA Component Installer and click on [Uninstall](#).

Update

To update PySSA Component Installer click on Yes in the dialog window. And wait until the update setup starts. After that follow the instructions on the screen to complete the setup. Then open PySSA Component Installer.



GitHub

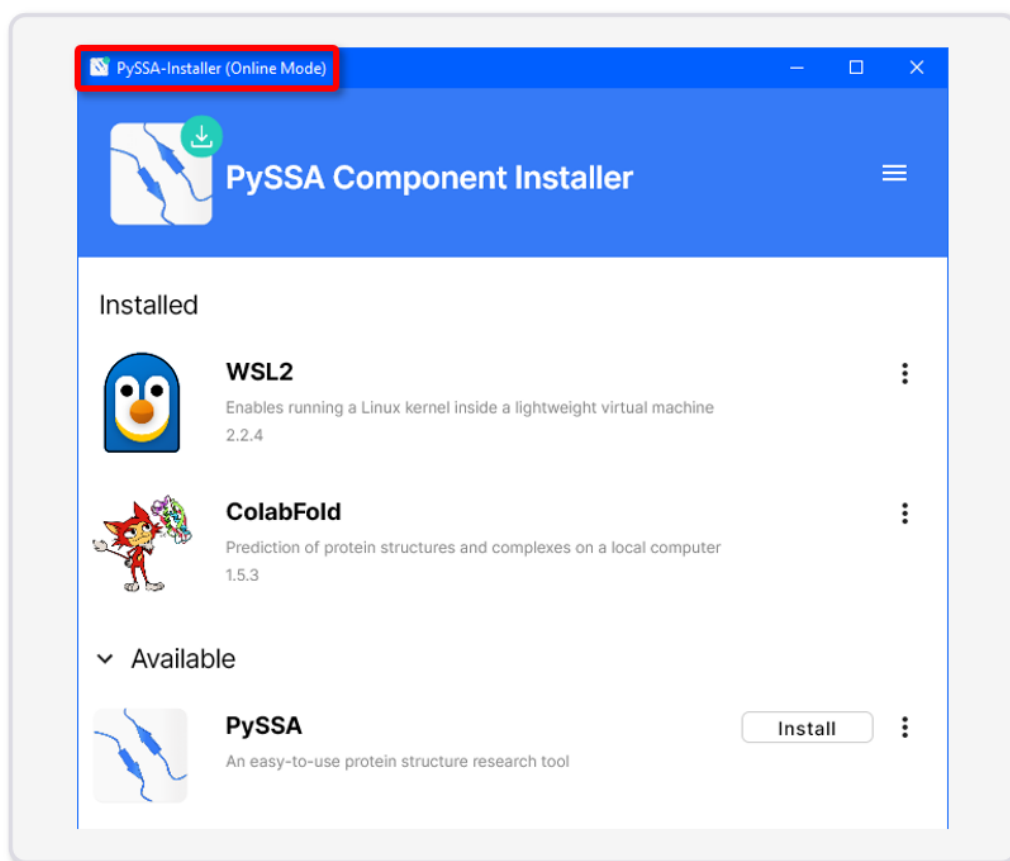
The source code for PySSA Component Installer is openly available on GitHub: <https://github.com/urban233/ComponentInstaller> and the source code of PySSA is also openly available on GitHub: <https://github.com/urban233/PySSA>.

Advanced users can consult the repositories to get more information on how the PySSA Component Installer setup is constructed and how PySSA is build and packaged.

Modes

PySSA Component Installer can be run in two different modes. There is [Online Mode](#), the default mode that is used if there is a stable internet connection. The second mode is [Offline Mode](#), which activates itself if the Installer detects no internet connection.

The active mode used by the installer is displayed in the window title of the application.



Components

PySSA Component Installer can install all components necessary for running PySSA on a local computer. These components are:

- Windows Subsystem for Linux 2 (WSL2)
- ColabFold (AlmaLinux)
- PySSA (with Python 3.11)

All components need to be installed in order top to bottom.

WSL2

To install the WSL2 click on [Install](#). Be aware that for this installation an internet connection is required!

IMPORTANT: The WSL2 will integrate into the Windows OS and be a system component that **cannot** be uninstalled!

After the WSL2 installation finished successfully a **restart is necessary** to finalize the installation process. After a system reboot the next component can be installed.

If WSL2 is already installed then proceed to the next component.

ColabFold

To install ColabFold (including an AlmaLinux distribution) click on [Install](#). This is only possible if WSL2 is already installed. ColabFold can be installed in Online or Offline Mode depending on the setup you chosen to install (see Installation) PySSA Component Installer.

To uninstall ColabFold (including an AlmaLinux distribution) click on the three dots and then on [Uninstall](#). The uninstall option is only available if PySSA is uninstalled.

PySSA

To install PySSA (including an application related Python 3.11 installation) click on [Install](#). This is only possible if the WSL2 and ColabFold is installed. PySSA can also be installed either in Online or Offline Mode depending on the chosen PySSA Component Installer setup.

To uninstall PySSA (including the Python 3.11 installation) click on the three dots and then on [Uninstall](#).

Troubleshooting

WSL2

If the WSL2 installation fails, try the following approaches in order to manually install WSL2.

Manual installation without a distribution

To install WSL2 without a Linux distribution open a PowerShell as administrator and enter the command:

```
wsl --install --no-distribution
```

Wait until the PowerShell command finished.

Manual installation with default Ubuntu distribution

If the above approach also fails, open again a PowerShell as administrator and enter the command:

```
wsl --install
```

Wait until the PowerShell command finished. This will install the WSL2 with an Ubuntu distribution.

ColabFold

If the ColabFold installation fails, try downloading the [full_pyssa_installer_x.x.x_setup.exe](#) (that ships with the 20 GB ColabFold/AlmaLinux) and run the setup. After the setup finished, try the ColabFold install again.