# Installation and Configuration of Prosys OPC UA Components on Ubuntu 16.04 LTS

## References

1. <https://downloads.prosysopc.com/opc-ua-simulation-server-downloads.php>
2. <https://downloads.prosysopc.com/opc-ua-client-downloads.php>

## Prerequisites

1. Install Ubuntu (Desktop or Server) 16.04 LTS 64-bit and helper tools.

## OPC Client Basic Install Procedure

1. Download the Prosys OPC UA Client Debian package and user manual.

wget <https://www.prosysopc.com/opcua/apps/JavaClient/dist/2.3.3-170/prosys-opc-ua-client-2.3.3-170.deb>

wget <https://www.prosysopc.com/opcua/apps/JavaClient/dist/2.3.3-170/Prosys_OPC_UA_Client_UserManual.pdf>

1. Open a terminal session and navigate to the folder containing the Debian package
   1. If on the Desktop:

cd /home/$USER/Desktop

1. Install the Debian package

sudo dpkg -i ./prosys-opc-ua-client-X.X.X-XXX.deb

sudo dpkg -i ./prosys-opc-ua-client-2.3.3-170.deb

1. Pin the following programs to the Launcher
   1. Programs to pin
      1. Prosys OPC UA Client
   2. Procedure to pin
      1. Open search icon from the Launcher (uppermost icon)
      2. Search for the program name
      3. Click it to run it
      4. Right-click the icon in the Launcher and select ‘Lock to Launcher’

## OPC Simulation Server Basic Install Procedure

1. Download the Prosys OPC UA Simulation Server Debian package and user manual.

wget https://www.prosysopc.com/opcua/apps/JavaServer/dist/2.3.2-146/prosys-opc-ua-simulation-server-2.3.2-146.deb

wget https://www.prosysopc.com/opcua/apps/JavaServer/dist/2.3.2-146/Prosys\_OPC\_UA\_Simulation\_Server\_UserManual.pdf

1. Open a terminal session and navigate to the folder containing the Debian package
   1. If on the Desktop:

cd /home/$USER/Desktop

1. Install the Debian package

sudo dpkg -i ./prosys-opc-ua-simulation-server-X.X.X-XXX.deb

sudo dpkg -i ./prosys-opc-ua-simulation-server-2.3.2-146.deb

1. Pin the following programs to the Launcher
   1. Programs to pin
      1. Prosys OPC UA Simulation Server
   2. Procedure to pin
      1. Open search icon from the Launcher (uppermost icon)
      2. Search for the program name
      3. Click it to run it
      4. Right-click the icon in the Launcher and select ‘Lock to Launcher’
2. You need opening the following ports in the firewall

sudo ufw allow 53530

sudo ufw allow 53443

sudo ufw allow 4840

1. Reboot
2. Open Prosys OPC UA Simulation Server and wait for it to configure and start the service.

## Maintenance Commands

1. None

## Miscellaneous Notes

1. Manual access to the Prosys OPC UA Simulation Server configuration files.
   1. To open the folder with the config files:
      1. Open a terminal session and run following command:

nautilus /home/$USER/.prosys/SimulationServer

1. Manual access to the Prosys OPC UA Client configuration files.
   1. To open the folder with the config files:
      1. Open a terminal session and run following command:

nautilus /home/$USER/.prosys/ProsyusOpcUaClient