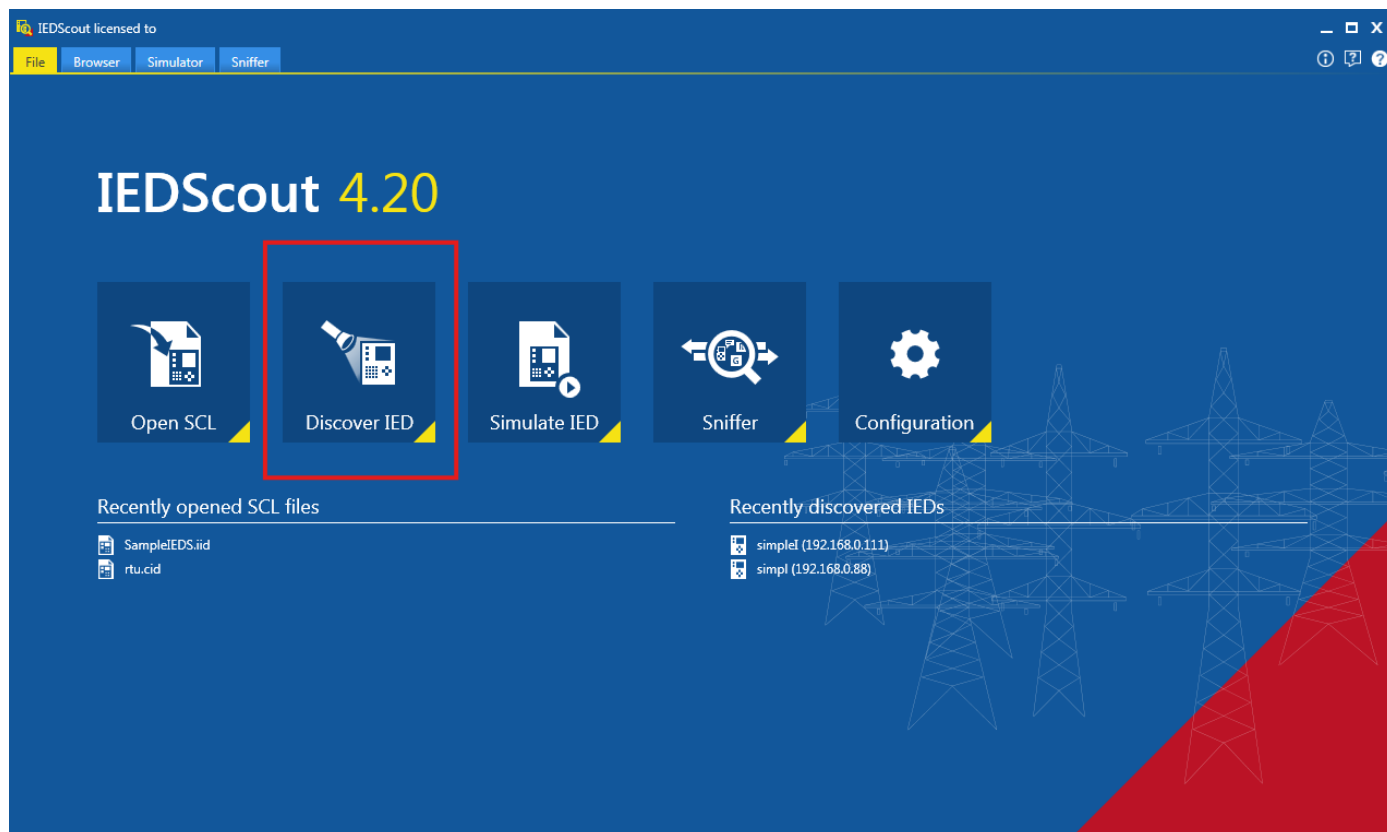


How to Use the IEDScout Debugging Tool

IEDScout is a professional tool for debugging IEC 61850 communication. It can be installed on Windows PCs.

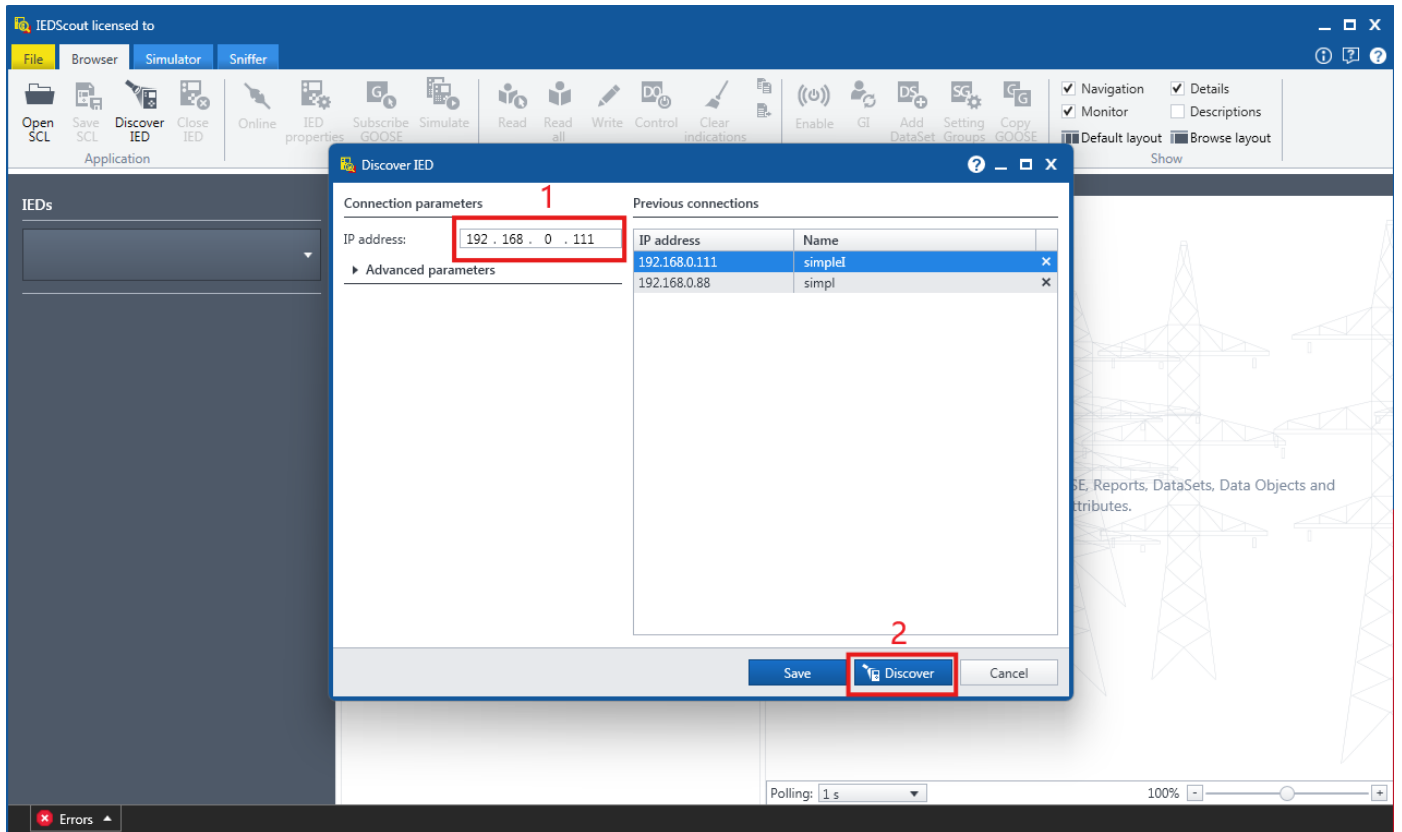
Step 1: Open the software

Open IEDScout and click "Discover IED".



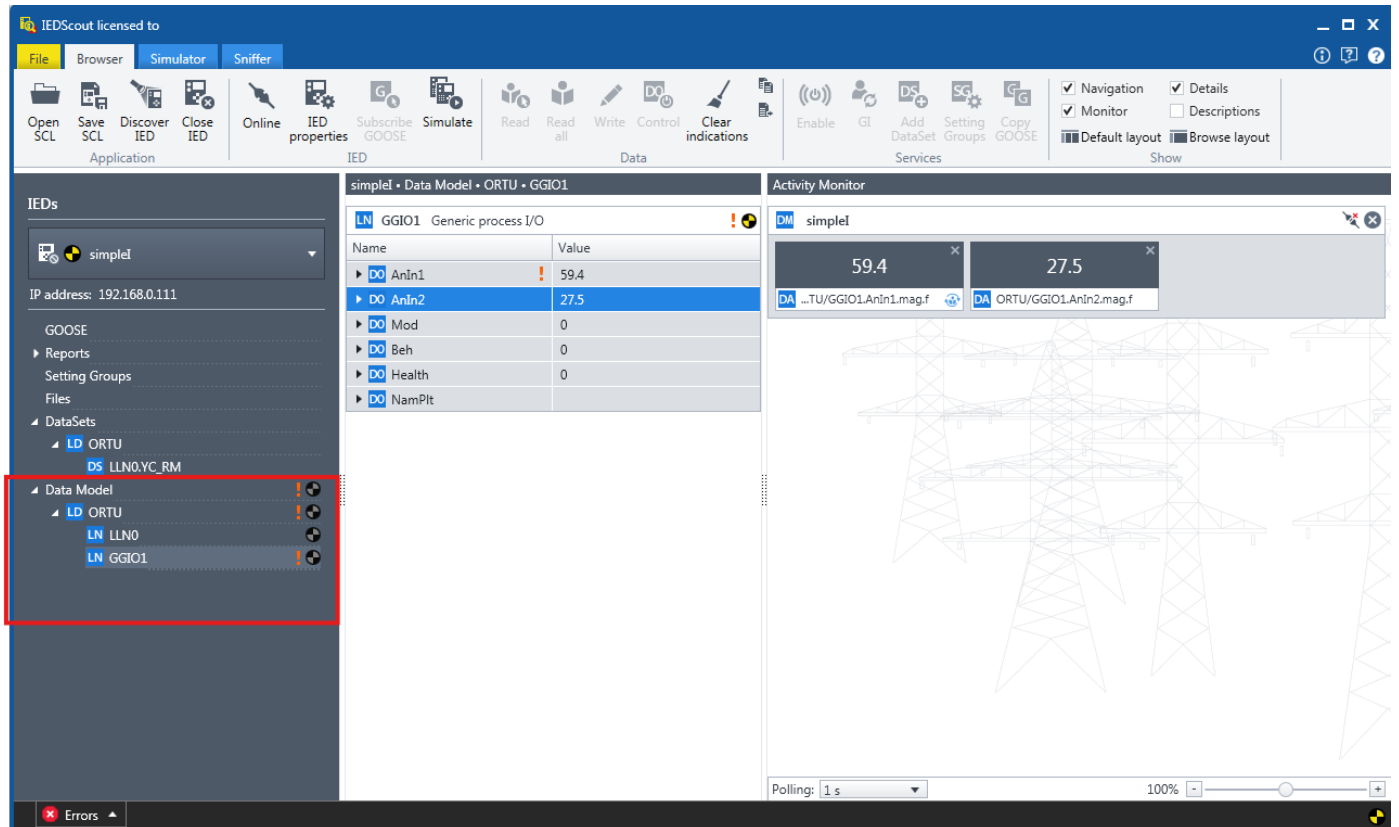
Step 2: Search for IEC 61850 server devices

Find IED devices, for example, the IED with IP address: 192.168.0.111.



Step 3: View the device data model (Model)

In the left panel, you can see the pre-defined IEC 61850 device data model (Model).



Step 4: Read, Write, and Control

- Measurements/Status indications: You can actively read device data using IEDScout (Read/Read all), or receive data that the device sends via the Report service.
- You can also write data to the device using IEDScout (Write).

The screenshot displays the IEDScout software interface, titled "Read/Write/Control". The interface is divided into several sections:

- Top Bar:** Includes tabs for "File", "Browser", "Simulator", and "Sniffer". Below these are various icons for file operations (Open SCL, Save SCL, Discover IED, Close IED), online status, IED properties, GOOSE simulation, and data reading/writing (Read, Read all, Write, Control, Clear indications). There are also checkboxes for "Navigation", "Monitor", "Details", "Descriptions", "Default layout", and "Browse layout".
- Left Panel (IEDs):** Shows a tree view of the IED hierarchy. The selected IED is "simple1" with IP address "192.168.0.111". Under "Data Model", the "GGIO1" object is selected.
- Center Panel (Data Model):** Displays a table of data points for "GGIO1 Generic process I/O". The table has two columns: "Name" and "Value".

Name	Value
DO AnIn1	59.4
DO AnIn2	27.5
DO Mod	0
DO Beh	0
DO Health	0
DO NamPit	
- Right Panel (Activity Monitor):** Shows a graphical representation of the power system with a red box highlighting the "ORTU/GGIO1.AnIn2.mag.f" data point. The value "27.5" is displayed next to it. Another data point "59.4" is visible in the background.
- Bottom Bar:** Includes a "Polling" rate set to "1 s" and a "100%" zoom level.