USER GUIDE ON HOW TO USE DECENTRALISED SEC SOFTWARE

DECENTRALISED SEC

A RESEARCHED SOLUTION ON BUILDING TRUST IN A COLLABORATIVE NETWORK

■ Do not put personal data in this program	✕
Although the data is not collected for use, inputting personal details can put it at risk, by closing this prompt you agree to these terms.	

To begin usage of the application you must agree upon the terms.
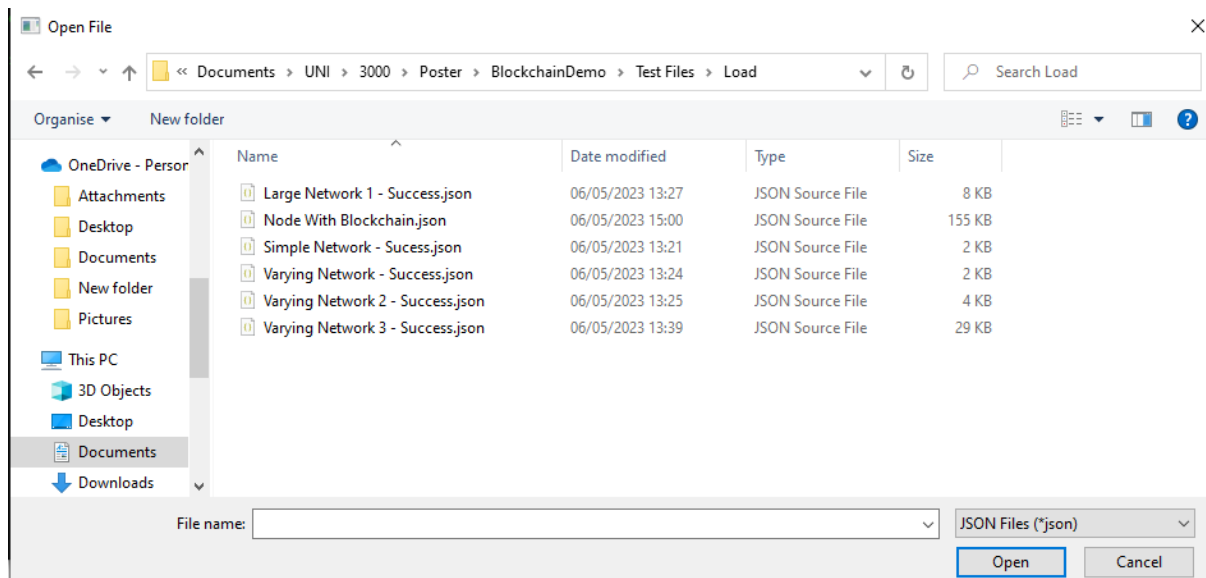
Main Menu

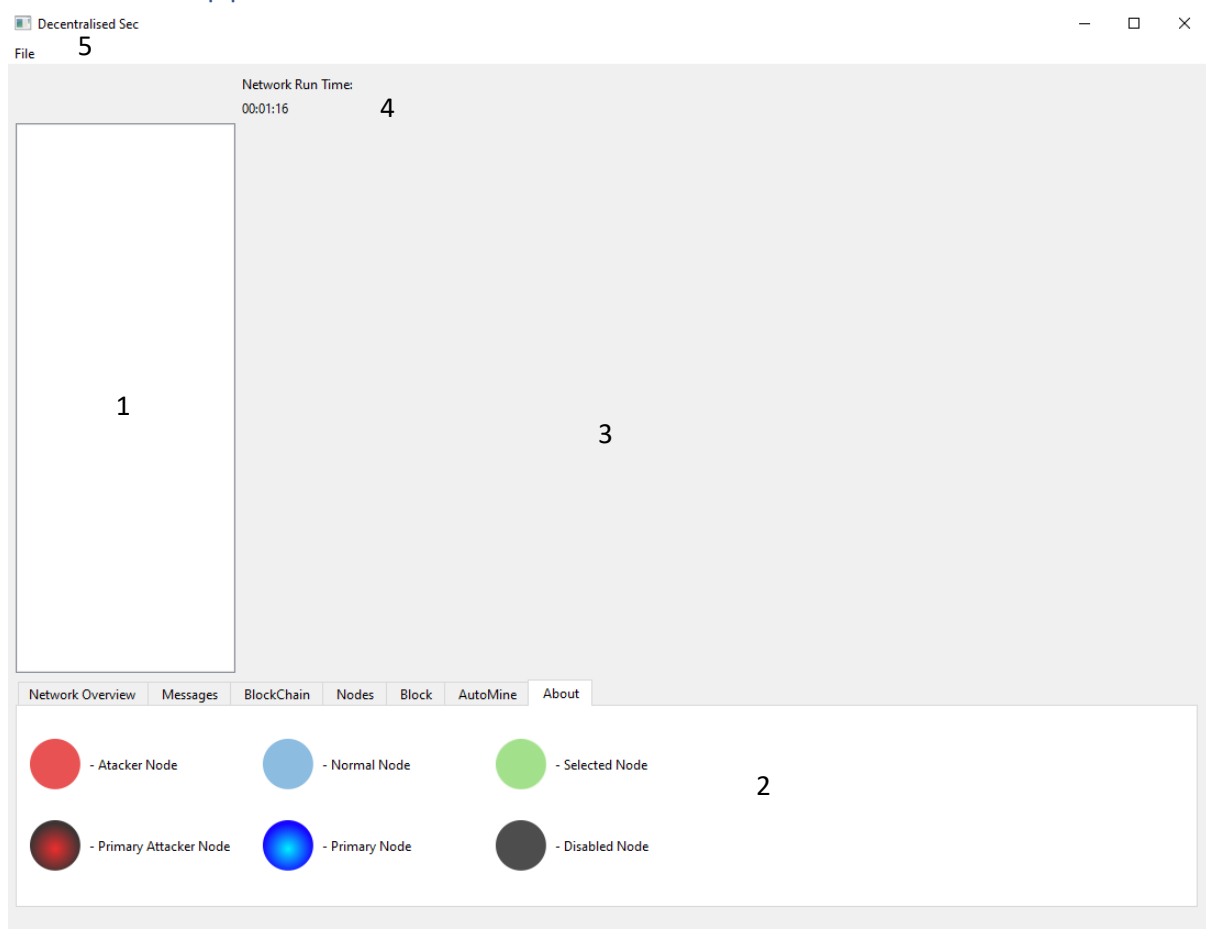**DECENTRALISED SEC**

SIMULATION

Load Data

Start New

The main menu is where users can select to either start projects from afresh or from an existing file, some modules have been implemented into the program for easy use.

When loading a file a dialogue would open allowing users to select their chosen scenarios, these files are stored in a .json format to allow for the use of easy transfer of data.
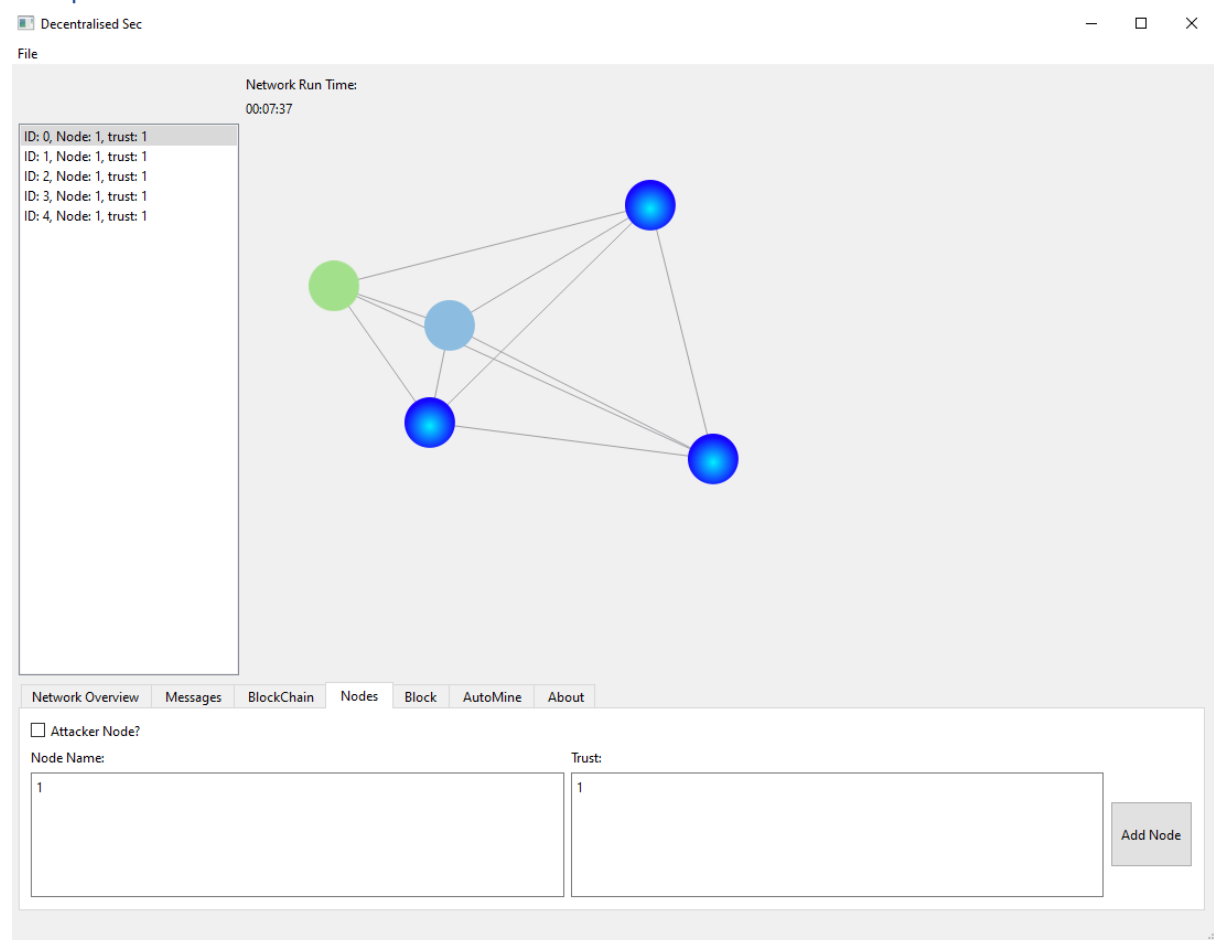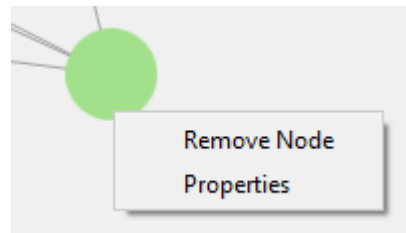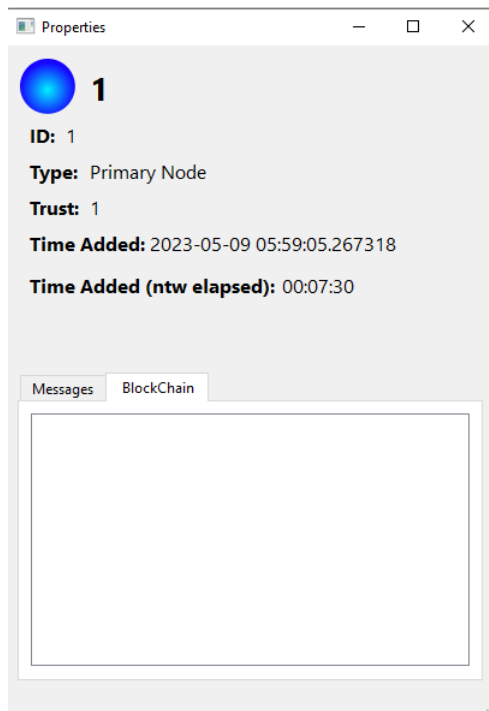
Inside the application

UI:

1 – this area houses the list of nodes present on the network, it updates as the network is run and can be interacted with to highlight nodes within the User interface.

2 – The overview tab, here the details and conversations of the network can be looked at.

3 – The interactive area, users can drag and drop nodes on the network in this area.

4- This is the timer, it is a visual indicator for how long the network simulation has been running for

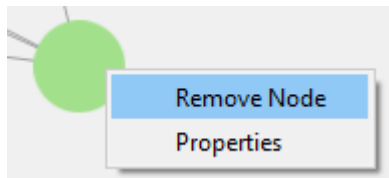5 – the menu, here the load, save, import and reset features can be used.

Properties

To view the properties of a node the user must first right click on it and select the properties tab

The details and sent messages can be viewed from here.

Removing Nodes

To remove a node the user must right click on a node and then select remove. This will disconnect it from the network

Remove Node

Properties

Decentralised Sec

File

Network Run Time:
00:10:43

ID: 0, Node: 1, trust: 1
ID: 2, Node: 1, trust: 1
ID: 3, Node: 1, trust: 1
ID: 4, Node: 1, trust: 1
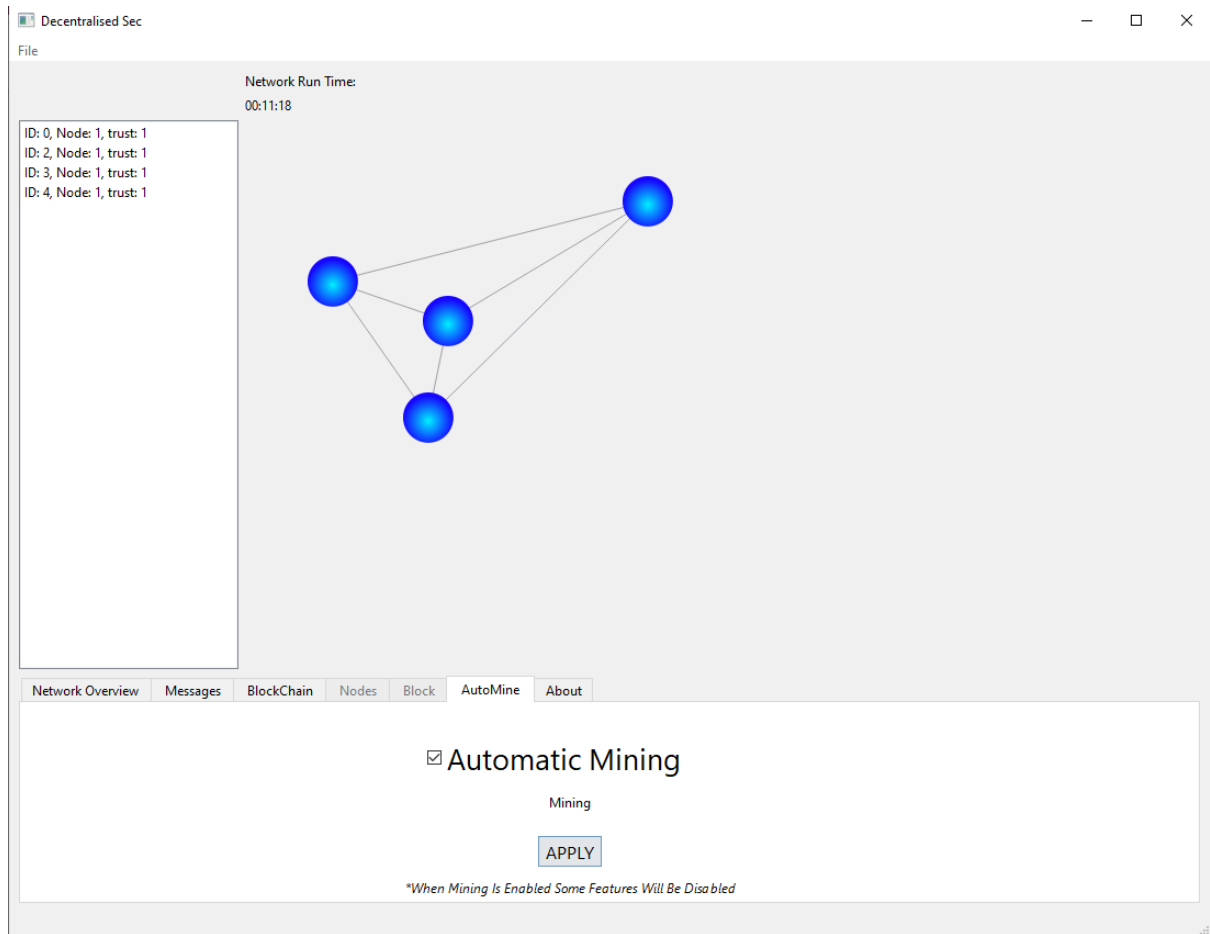
Network Overview | Messages | BlockChain | Nodes | Block | AutoMine | About

Time: 05:59:05 - Network Time: 00:07:30 - Name: 1 - ID:2 - ACTION: Synced To The Network
Operations at: NetworkTime - 00:07:30, Time - 05:59:05
Time: 05:59:05 - Network Time: 00:07:30 - Name: 1 - ID: 3 - trust value: 1 - ACTION: added to the network
Time: 05:59:05 - Network Time: 00:07:30 - Name: 1 - ID:3 - ACTION: Synced To The Network
Operations at: NetworkTime - 00:07:30, Time - 05:59:05
Time: 05:59:05 - Network Time: 00:07:30 - Name: 1 - ID: 4 - trust value: 1 - ACTION: added to the network
Time: 05:59:05 - Network Time: 00:07:30 - Name: 1 - ID:4 - ACTION: Synced To The Network
Time: 06:02:11 - Network Time: 00:10:36 - Node ID: 1 - Name 1 Removed From The Network
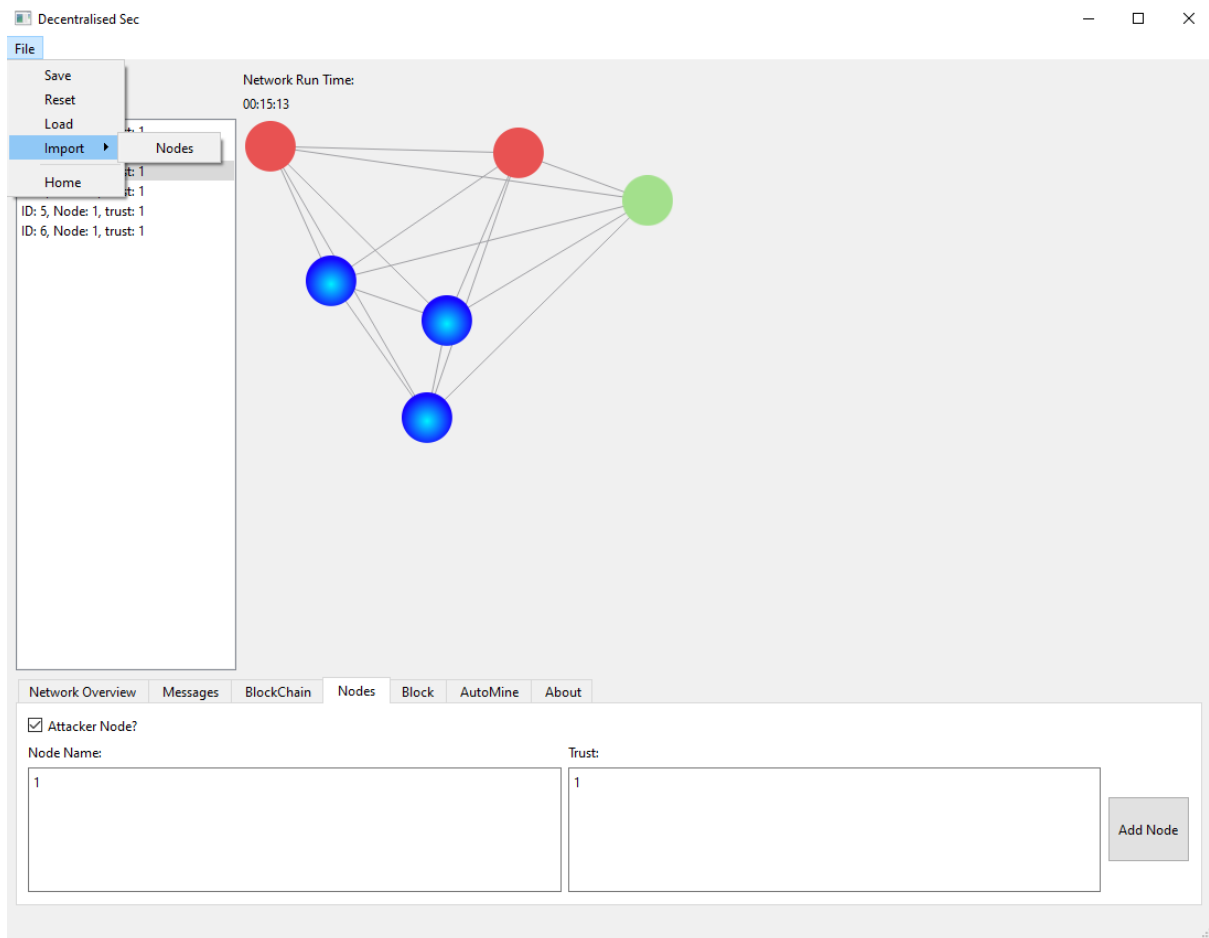
Auto Add

The auto-add feature automatically adds data from the network, the nodes act as both the client and the server and will automatically work to the established consensus. Some features will be disabled when this feature is enabled.

Malicious/Faulty Nodes

Malicious/Faulty nodes can be added to the network, these nodes will try and disrupt the network by not following consensus. This is useful for testing.

Menu

The menu is where the user can access the import, save, and reset functionality of the program, after a simple click a prompt will open up where the user can save or load data, and the reset function clears the data within the application.