

Accord Security Audit

User Guide

Document: [Accord Security Audit V1.7 User Guide.Docx](#)

Table of Contents

- 1 Introduction..... 3
- 2 Installation 4
 - 2.1 Initial connection to Accord Server. 7
 - 2.2 Initial Screen..... 10
- 3 Report Configuration and Generation..... 11
 - 3.1 Selection of Report Time Span..... 11
 - 3.2 Exporting Data 13

1 Introduction

Accord Security Audit is a configurable query builder which returns historical information on HMI and other systems interaction with Controllers, for system and root cause analysis. Security Audit is part of the Accord Platform, for systems developed using Accord Builder. It obtains data from logs created by Accord Server as part of plant interaction monitoring. Accord Security Audit is a module in the platform, called as a program.

Process Model development is carried out by configuring equipment and programs and HMI screens are developed by placing devices and programs onto the screens. All relevant linking and control is implemented automatically by the Accord Server service. Items are available in HMI, Recipe, Security Audit and other modules when initially configured in Designer.

The security data is captured when commands are sent from HMI or other modules to Controller, even if the items are not logged in Historian.

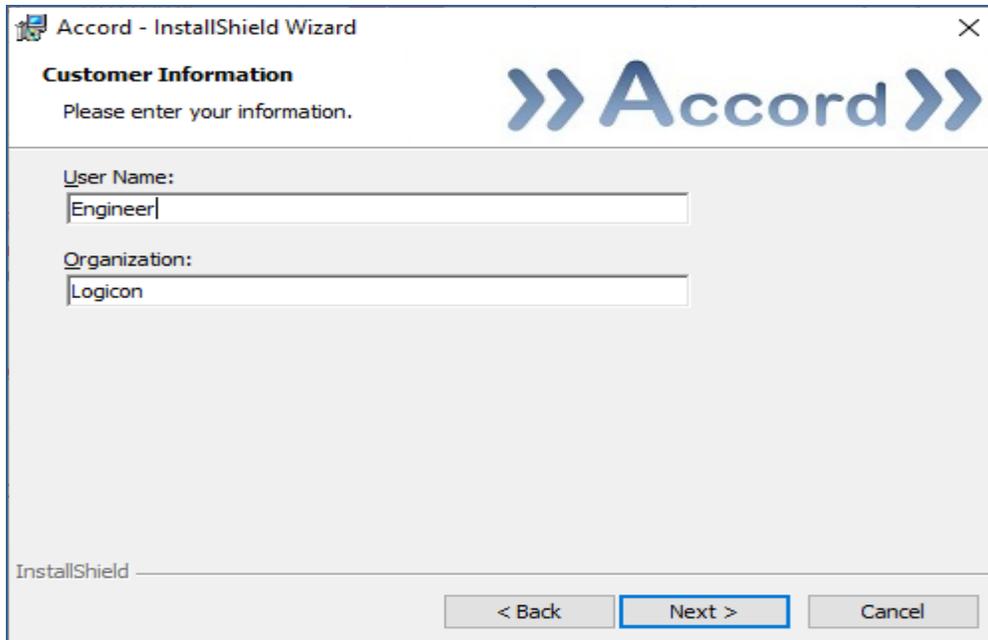
The module provides the ability to export the current data being displayed to a variety of file formats.

Please see Accord Server User Guide for List of Modules and Definitions.

2 Installation

Accord Security Audit requires a standard PC. Accord Server may require a high performance PC, depending on applications sizes and system requirements.

Security Audit is installed from Accord Setup Installer. Server should be installed, either on this or a networked PC, to provide Database management.



Accord - InstallShield Wizard

Customer Information
Please enter your information.

User Name:
Engineer

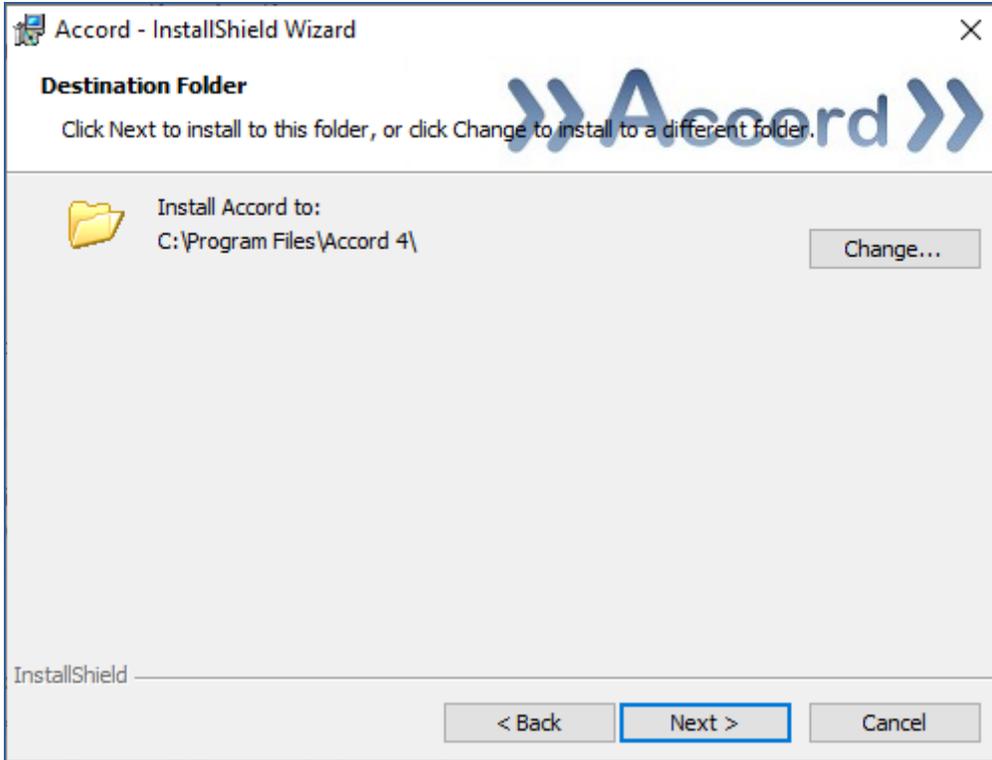
Organization:
Logicon

InstallShield

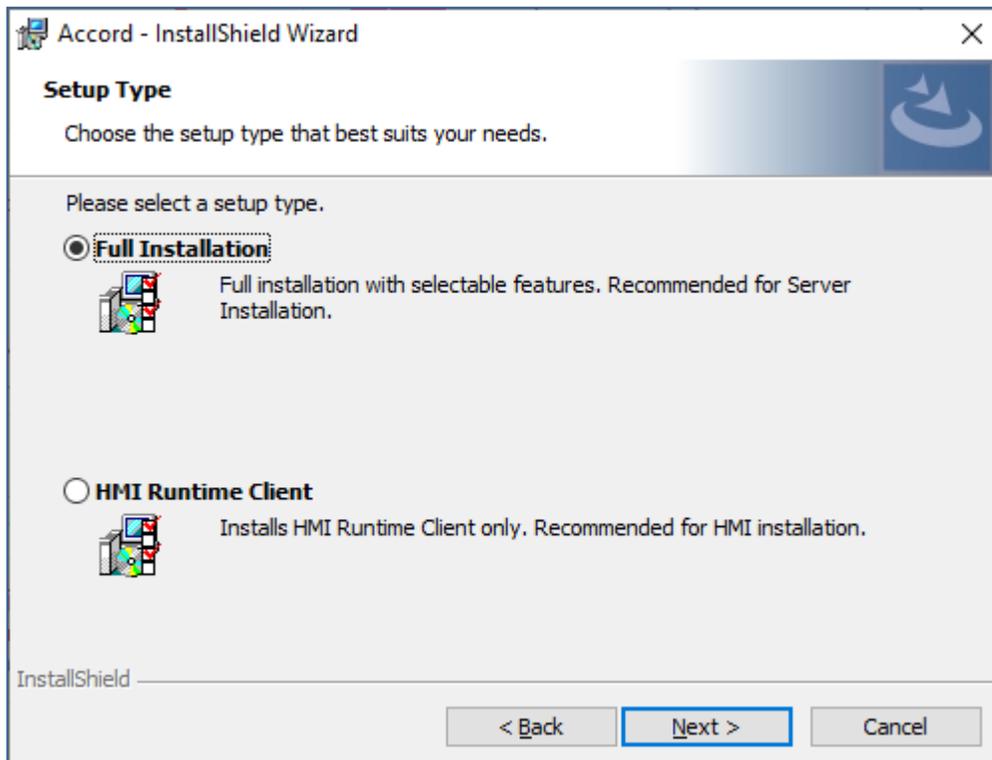
< Back Next > Cancel

Accord Setup.exe

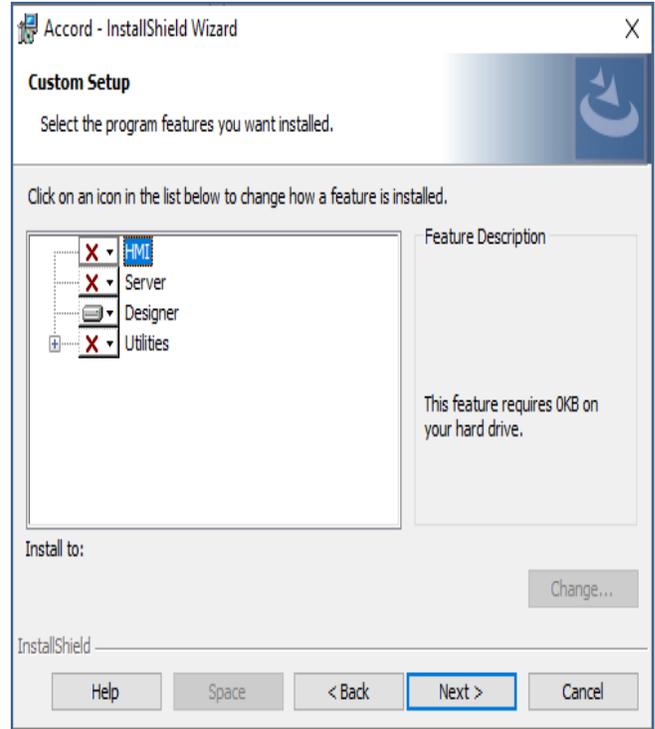
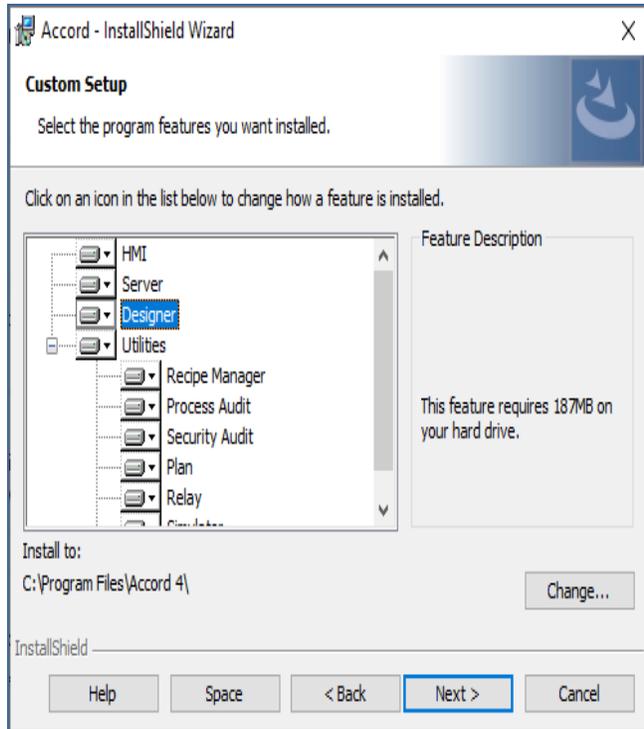
1. Entry of User Name and Organisation



2. Installation Folder selection

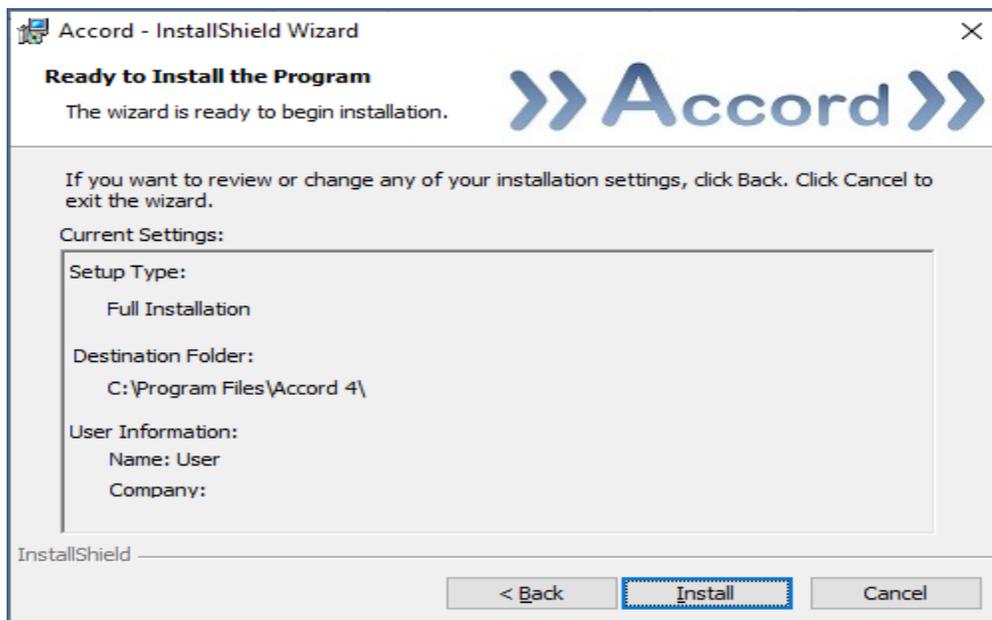


3. Installation selection



4. Selection of **HMI** and any other required modules. The installation is to a ProgramFiles folder but may be changed.

Note Modules are selected to be installed by default. Right-click on a module to deselect the installation of the module.



5. Installation is completed on pressing Install.

2.1 Initial connection to Accord Server.

Security Audit module must connect to an Accord Server for data. Security Audit should find the Server module automatically if it is on the same PC

- 1. Double click on Security Audit icon to start the application.



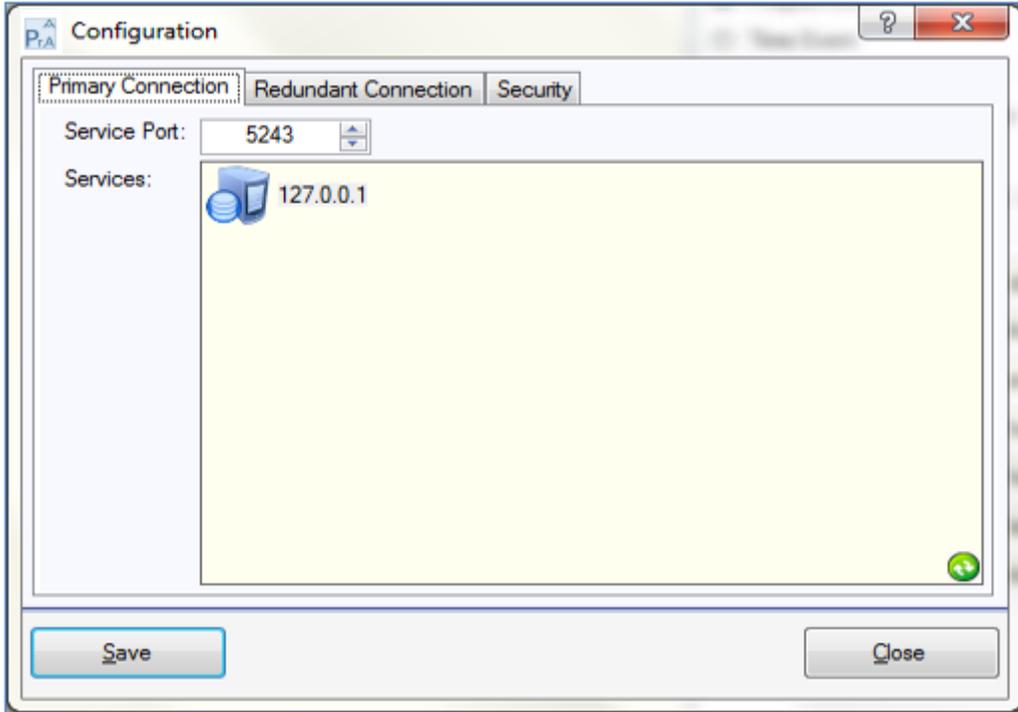
- 2. Check for the Connected to Service status at bottom of Screen.



Security Audit Connection Status area

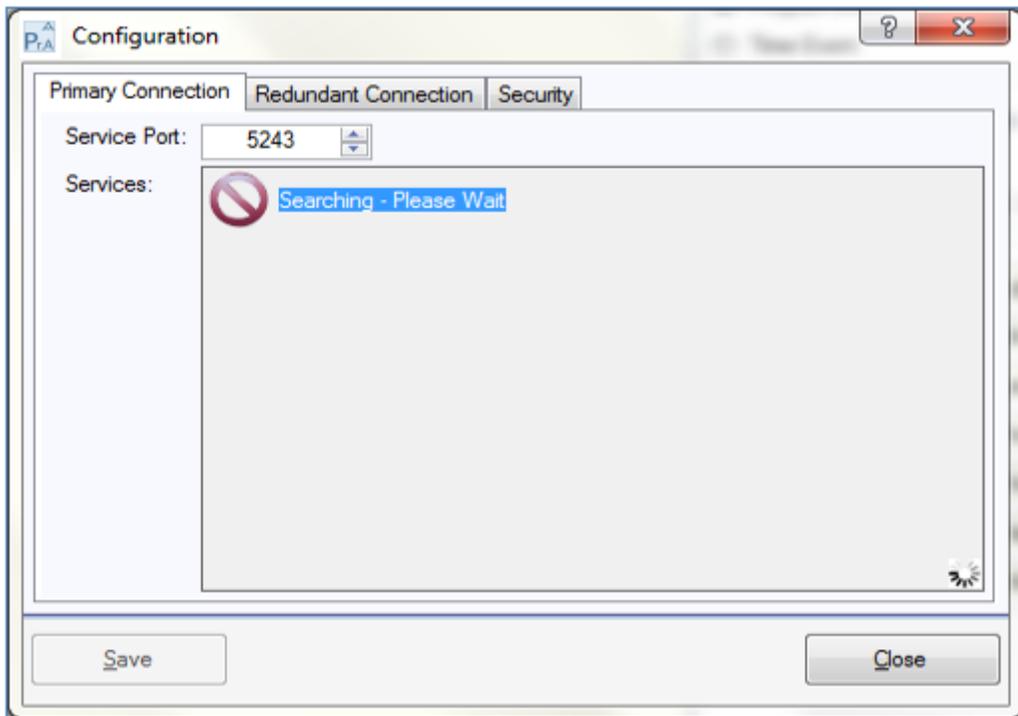
- 3. If Disconnected or not connected to required IP then perform Search by clicking on the Connection Status (highlighted above).

This will cause following popup to appear with Green Refresh button at Bottom.



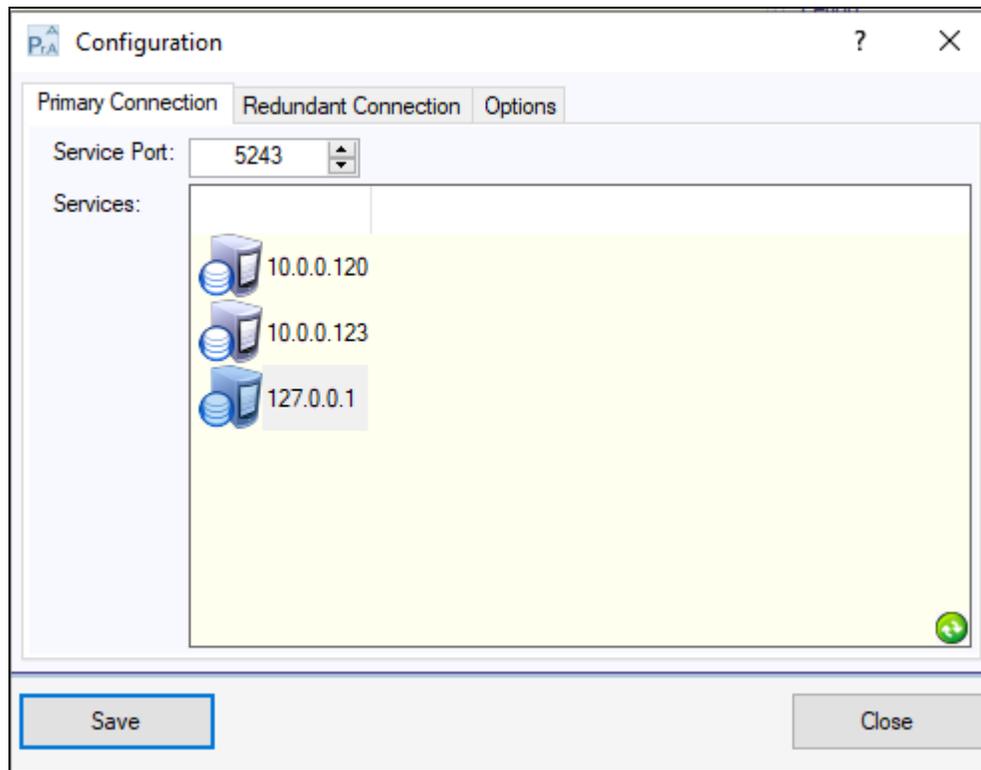
Accord Service Selection window

Click on the Green Refresh button to begin search for Accord Server by IP address.



Accord Service searching

This will find the available Accord Servers, with appropriate IP addresses.



Accord Service Selection window

Select required Server.

If this does not return an appropriate IP then

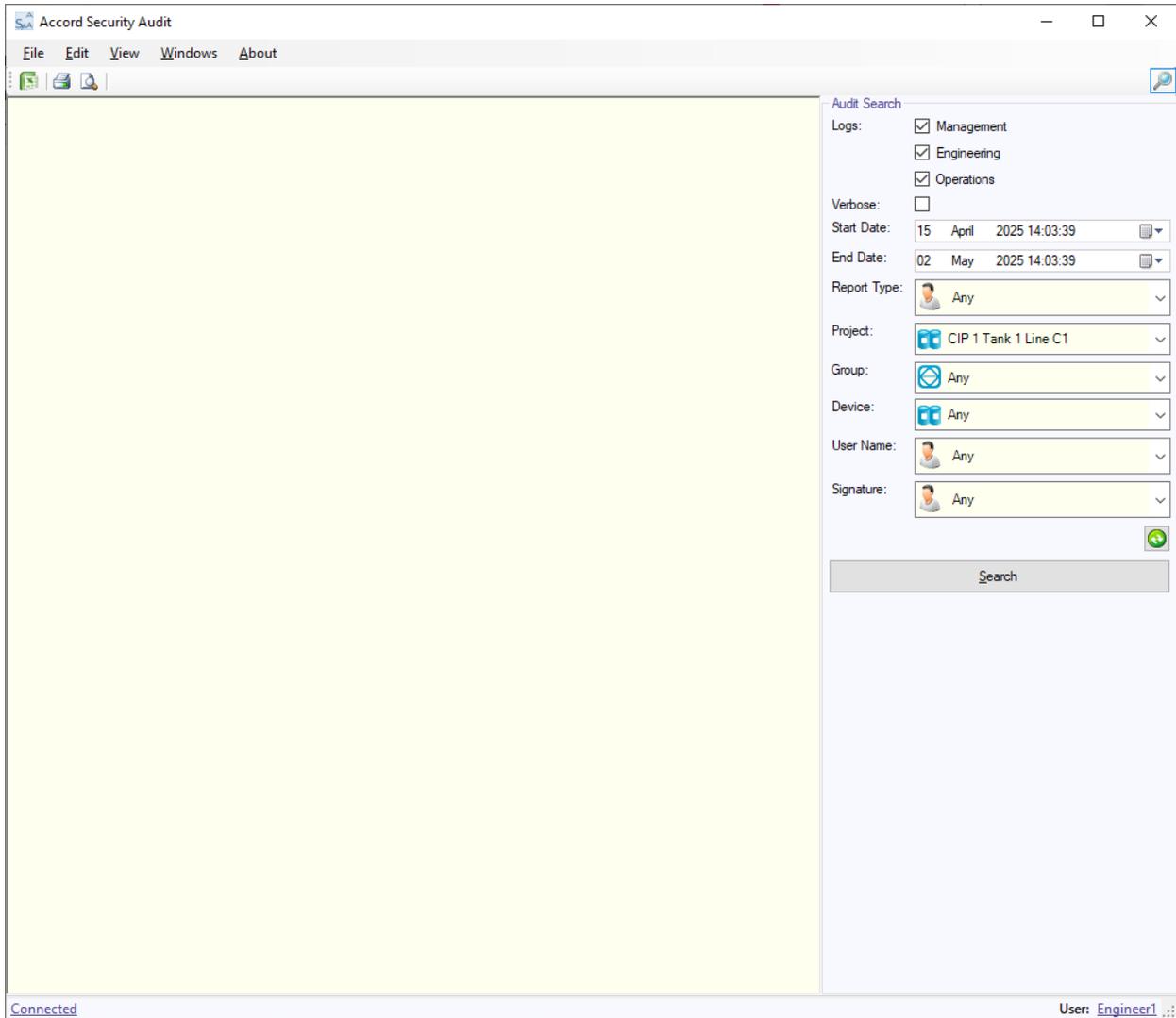
Check that Accord Server is running.

Check that Accord Server PC is connected, if it is another PC.

4. After connection Log-In by clicking on the User: in the bottom of the Screen.
Ensure that the User is already listed as a User in Server settings Security section.

2.2 Initial Screen

On opening Accord Security Audit an initial screen is presented.



Ensure Process Audit is connected to Accord Server and Log-in as User at bottom of screen.

The Right Hand Side is a Configuration Panel and the Left Hand shows the Report data after generation.

In the Configuration Panel an individual report is configured for a Report Type, for Time Span, for Devices, for Users, and for signatures, to be included.

3 Report Configuration and Generation

3.1 Selection of Report Time Span

The following options are available for the report.

Item	Description
Logs	Each log event is categorised using a combination of three possible categories: <ul style="list-style-type: none"> ➤ Management ➤ Engineering ➤ Operations Using this option, users can choose to filter logs by specific categories.
Verbose	Using this option, users can choose to show/hide log entries that are flagged as verbose. This includes log information relating to the specifics of a Project Download.
Start Date	The start date of the query.
End Date	The end date of the query.
Event Type	The Accord Server Security Auditing module logs events of various types, such as OPC Writes and Communication Port changes. This list allows for the selection of a specific event type. Only logs of the selected event type will be included in the search result.
Project	Using this options, users can choose to limit the search result to events carried out on a specific project.
Group	Using this options, users can choose to limit the search result to events carried out on a specific device group.
Device	Using this options, users can choose to limit the search result to events carried out on a specific device. In order to use this option, a Project and a Group must be selected.
User Name	Limit the search result to events carried out by a specific user. In order to use this option, a Project must be selected.

The following information is displayed for each log event:

Item	Description
Date	The date & time when the event occurred.
Type	The type of the event. For example, Manual Start.
Project	The project (if any) that was modified.
Device	The device (if any) that was modified.
Group	The group of the device (if any) that was modified.
User	The Accord Server user (if any) that performed the action.
Entity	The target entity (if any) that was modified. E.g. The name of the target Recipe or OPC Profile.
Login	The username of the Windows account that performed the action.
Location	The identity (typically IP address) of the original computer.
Action	Additional information relating to the requested action (if any). e.g. the OPC property to modify.
Request	Additional information relating to the requested change (if any). e.g. The value assigned to an OPC property.
Result	The end result of the request as reported by Accord Server.
Reason	Additional information relating to the end result as reported by Accord Server (if any). Typically this contains an explanation for a failed result.
Original Value	The value prior to the change. This is useful for analysing analog value changes.
Signature	The electronic signature of the user.

3.2 Exporting Data

The report can be exported to the following formats: Excel .xls, .csv, .pdf, .html, and .xml. This may be useful, particularly when dealing with diagnostic information, as it may be needed for future reference. To perform an export, simply do the following:

1. Right click on the desired grid.
2. Click '**Export As**'.
3. Select the export location for the file.
4. Select the export type from the '**Save as type**' list.
5. Click '**OK**'.