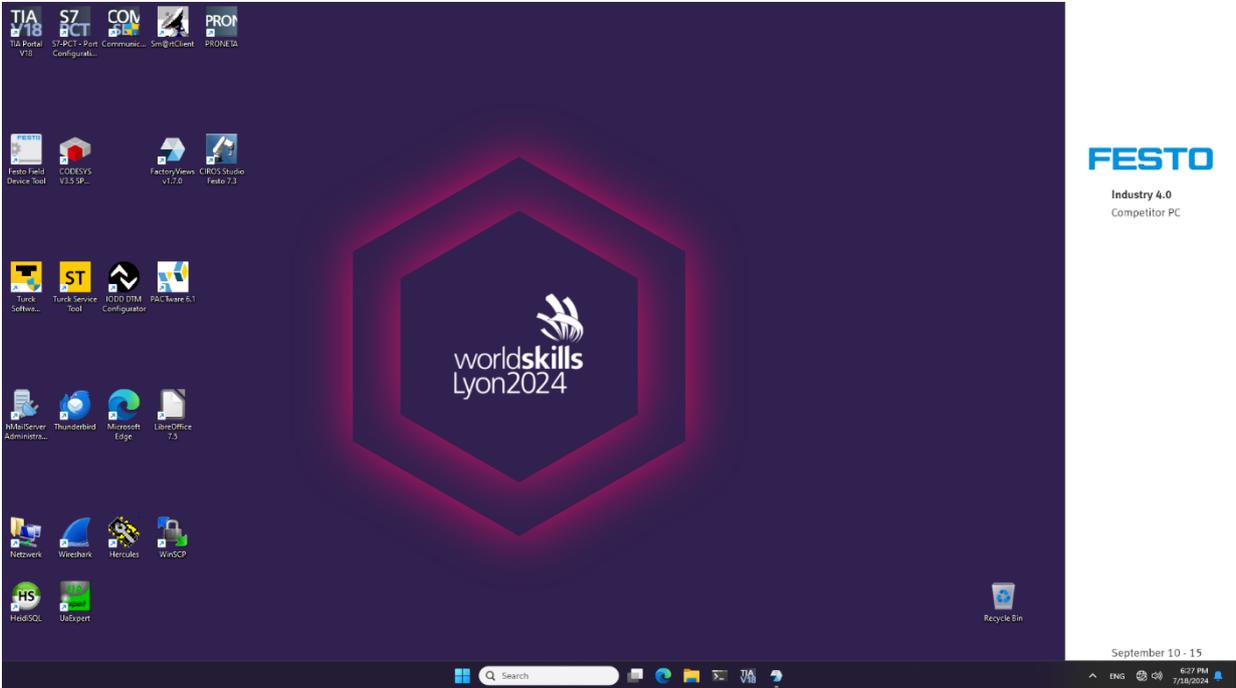


# MES Server PC Documentation



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## 1 List of installed Software

Software	Version	Purpose
Siemens TIA-Portal	18 Update 3	Programming software for Siemens PLCs
Siemens WinCC Advanced	18 Update 3	Programming software for Siemens HMIs
		Note: Siemens V19 licenses are backward compatible to V18
Siemens S7 PCT-Tool	3.5 SP3 Update 3	IO-Link modules configuration tool
Siemens PRONETA	3.6	Commissioning and diagnostics tool for PROFINET
FactoryViews	1.7.0	Factory management software suite: MES4, Webshop, Energy, AR, Node-RED Update from beta to release version (big fixes, signatures of exe-files)
CIROS	7.3.3	Simulation software - Digital twin - Digital shadow
Machine Learning	2024 Q2	Machine Learning IIoT Kit Image (Standalone) Update: Added class edit mode and interfaces
Festo Field Device Tool (FFT)	2.10.5.198	Configuration tool for Festo controller - change network settings - backup/ restore image files
CODESYS	3.5 SP16 Patch 4	Programming software for Festo PLCs
CODESYS Target Support Package CPX-E	3.5.16.139	Target Support Package for Festo PLC
CODESYS Security Agent	1.3.0.0	Configure and control security-related issues in CODESYS
TURCK PACTware	6.1.0.15	Configuration tool for fieldbus modules
TURCK Service Tool	3.3.0.0	Assigning IP addresses to Turck devices
DTM for IODD Configurator	3.14.0	DTM IO-Link Devices
DTM for fieldbus I/O systems	1.0.3007	DTM for BL20, BL67, TBEN, FEN20 and BLcompact
Wireshark	4.2.3	Ethernet communication monitoring software
NMAP	7.94	Network scanner
HeidiSQL portable	12.6	Administration tool for MariaDB/ MySQL databases
hMailServer	5.6.8	E-mail server
Thunderbird portable	115.8.0	E-mail client
Hercules SETUP utility	3.2.8	TCP/IP client server terminal
UaExpert	1.7.1	OPC UA client

This table is not exhaustive and lists the most relevant software tools.

## 2 Services

### 2.1 FactoryViews

#### 2.1.1 Services

FactoryViews will start automatically on start up. A Control Panel indicates that FactoryViews is running. Following services are started:

- NodeServer
- MES4Core
- Apache
- MySQL
- MongoDB
- Node-RED – WebShop (port: 18803)
- Node-RED – AR (port: 18804)
- Node-RED – Energy (port: 18806)
- Node-RED – Stations (port: 18812)
- Node-RED – User (port: 18890)

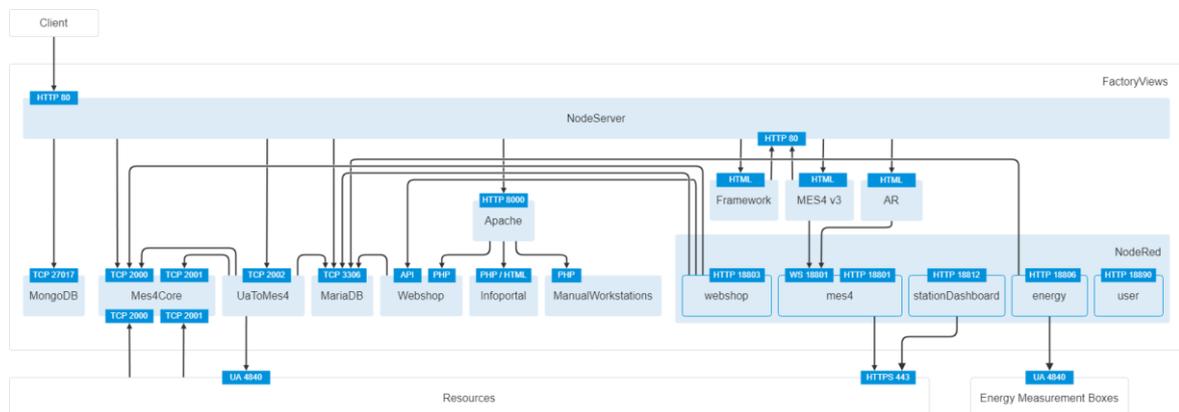


Figure 1 FactoryViews services overview

To start the application again, run “C:\Factory Didactic\FactoryViews\FactoryViews - ControlPanel.exe”

## 2.1.2 Control Panel

Status of the services can be monitored from control panel.

Blue tick ✓ indicates that the service is running.

Each service can be started and stopped with button.

Status of each service is shown on the status field in control panel.

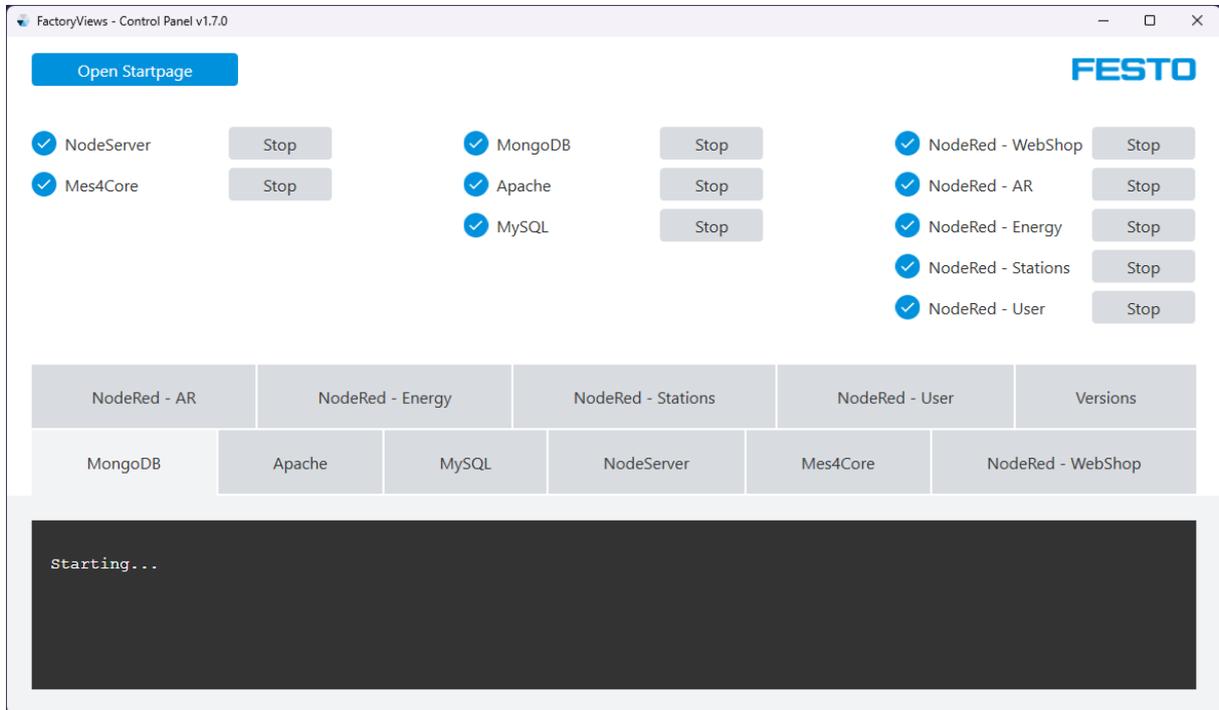


Figure 2 FactoryViews control panel

## 2.2 MariaDB Database

MariaDB Databases can be viewed with HeidiSQL.exe.

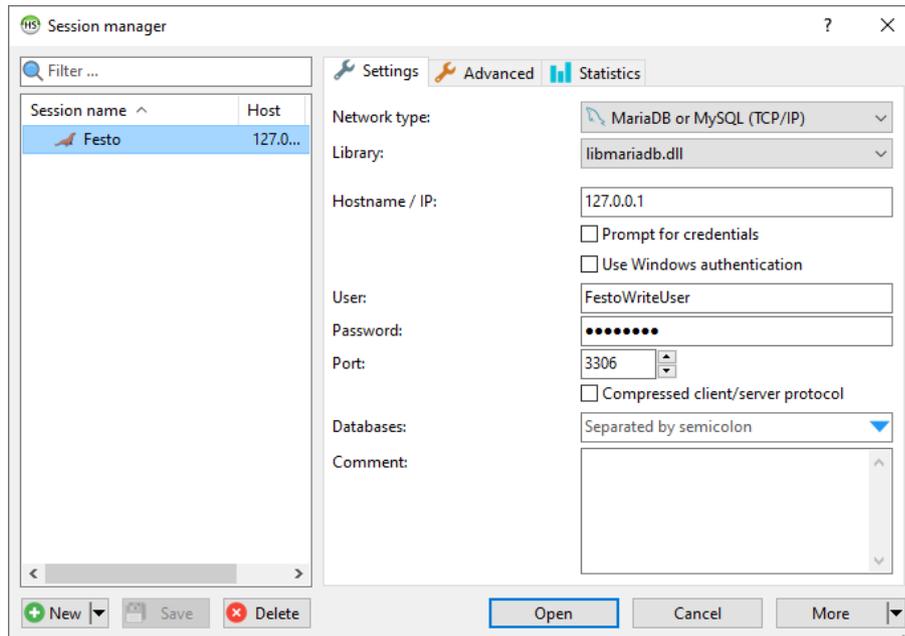


Figure 3 HeidiSQL session manager

Username: FestoWriteUser  
Password: Festo4.0

### 3 Project files

#### 3.1 Drives

3.1.1 C drive for Windows and software

3.1.2 D drive for project files and documents

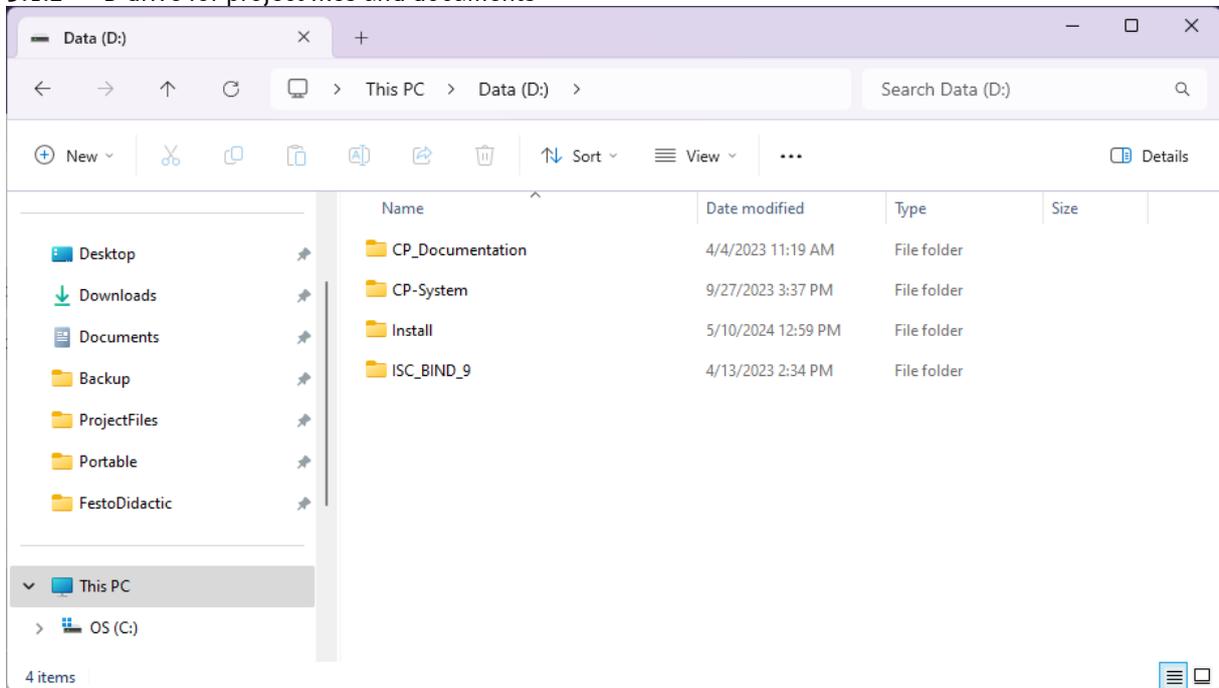
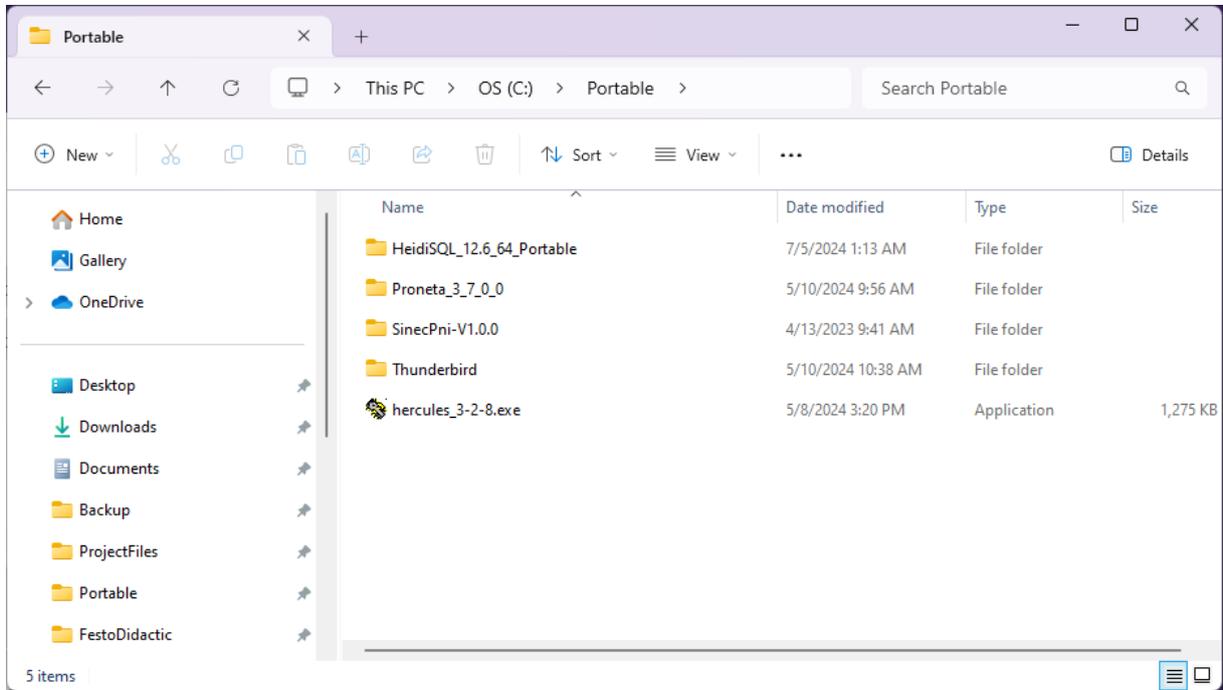


Figure 4 D-drive

## 3.2 Additional software locations

- 3.2.1 hMail – C:\Program Files (x86)\hMailServer\Bin\hMailAdmin.exe
- 3.2.2 Thunderbird – C:\Portable\Thunderbird\ThunderbirdPortable.exe
- 3.2.3 Wireshark – C:\Program Files\Wireshark\Wireshark.exe"
- 3.2.4 UaExpert – C:\Program Files\ UnifiedAutomation\UaExpert\bin\uaexpert.exe



### 3.3 How to add account to hMailServer in hMailServer Administrator

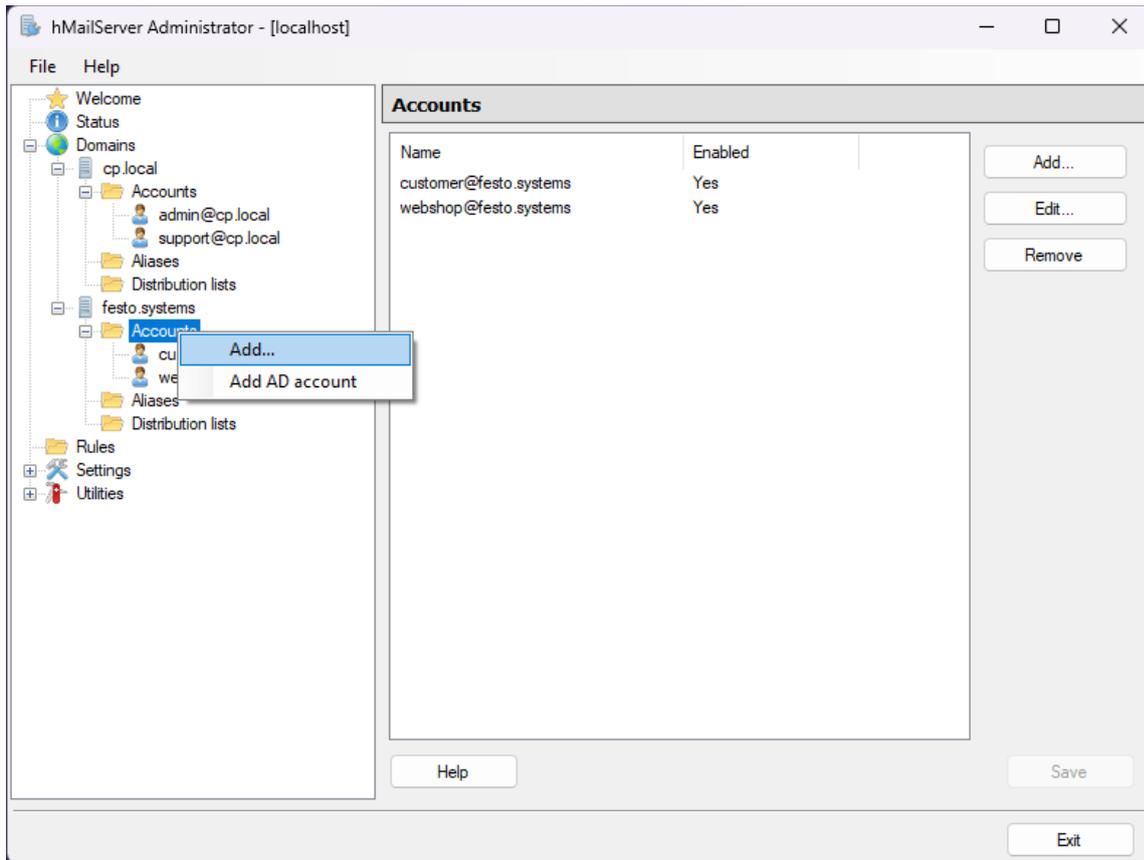


Figure 5 Add

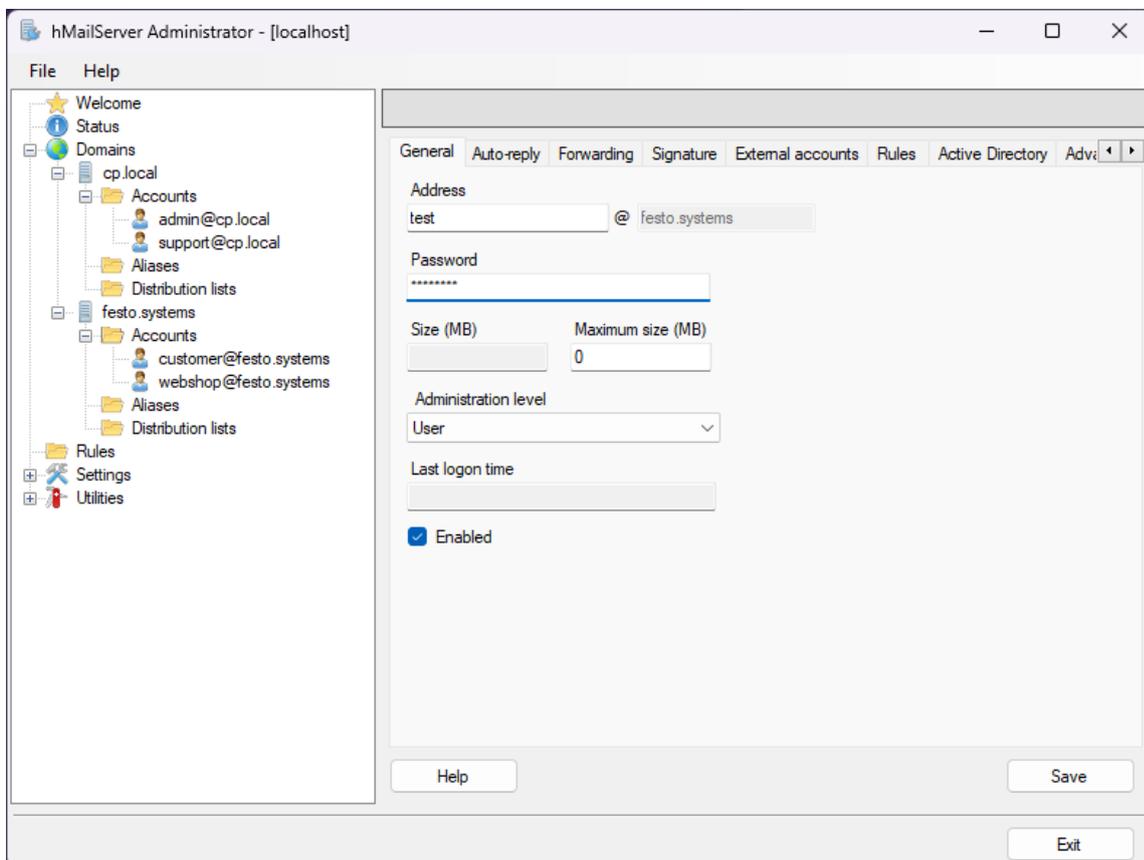


Figure 6 Configure

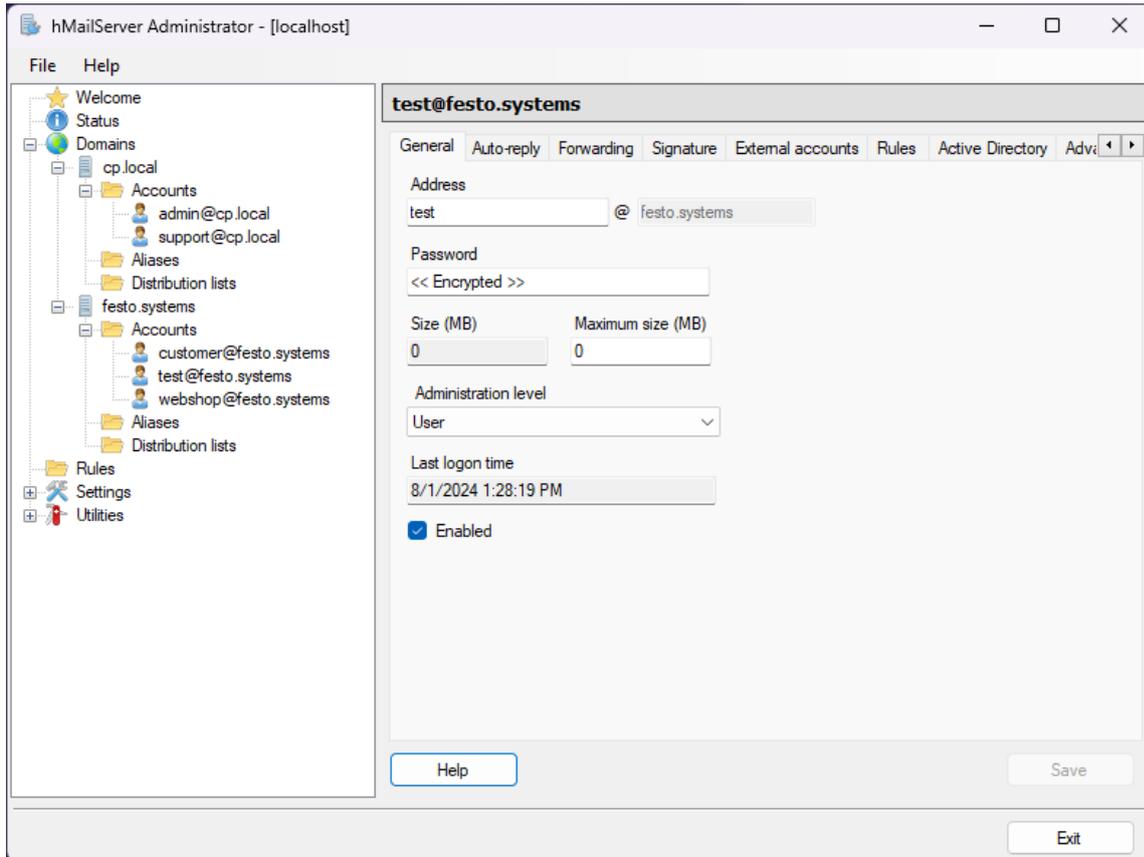


Figure 7 Save

### 3.4 D:\PortableApplications – portable software tools

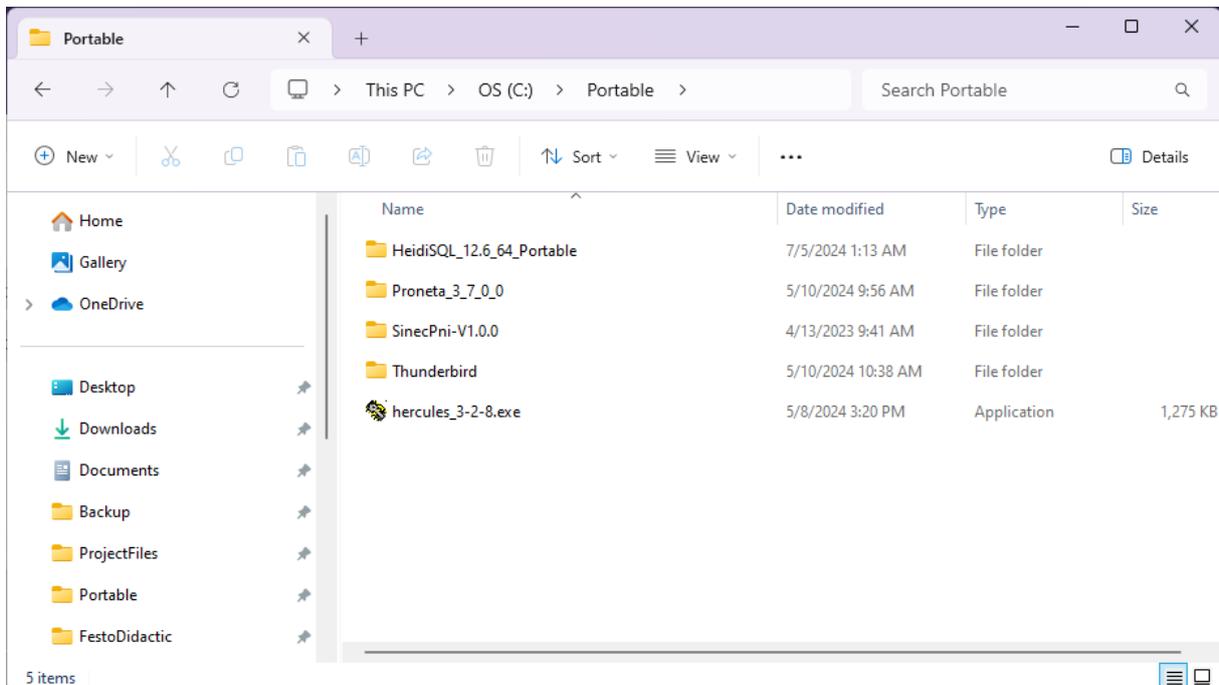


Figure 8 Portable software

#### 4 Password list

Application	User	Password
MES-PC	Festo	Festo4.0
FactoryViews – MES4	admin	Festo4.0
	user	Festo4.0
hMail server		Festo4.0
Node-RED User	admin	Festo4.0
Webshop	admin	Festo4.0
Webshop	customer@festo.systems	Festo4.0
NodeRed	admin	Festo4.0
MariaDB	root	Festo4.0