

Operating Instructions

Fieldgate Data Access

Software

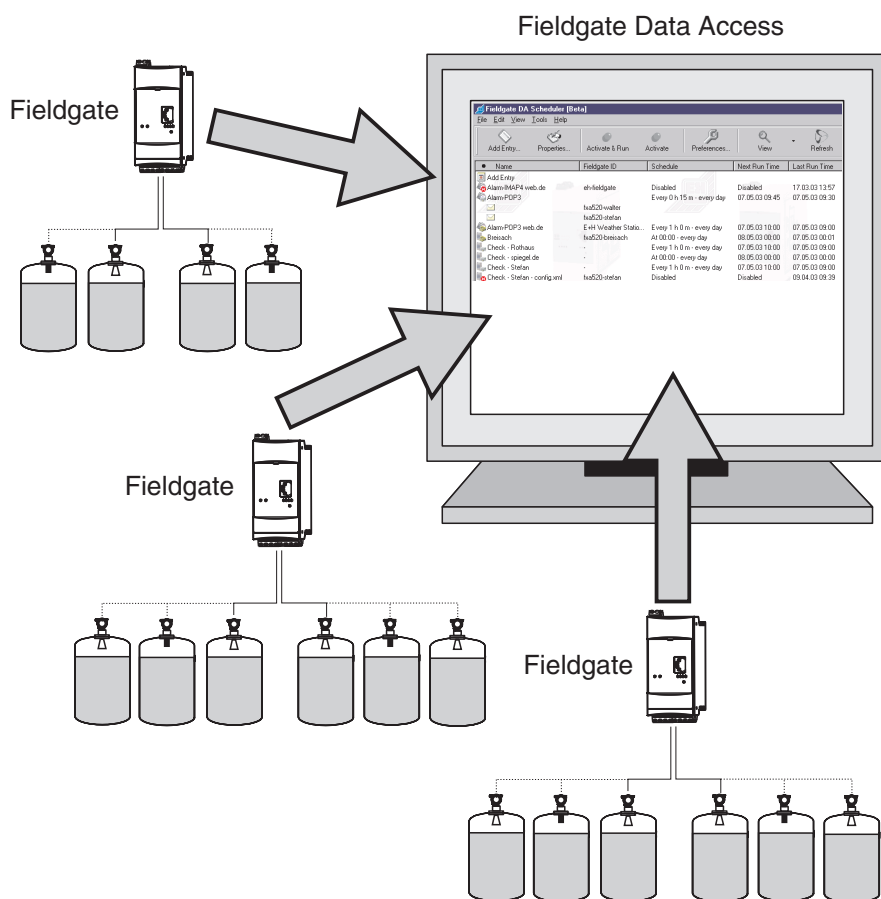


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1 Introduction

1.1 Licensing agreement

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1.2 System requirements

The following prerequisites are minimum requirements:

- Operating system: Windows 98 / NT (SP6a) / 2000 / XP
- If dial-in connections (modem) are to be used:
 - Windows 98: DUN 1.3
 - Windows NT: RAS – it must be observed that SP6a must in any case be played again after an RAS installation
 - Windows 2000 / XP: RAS usually already installed
- MDAC 2.5 SP3 must be installed (applies especially to Windows NT4)
- Internet Explorer min 5.x, better still Internet Explorer 6.0 SP1

Required updates can be downloaded from "<http://www.microsoft.com>".

If Fieldgate Data Access has to establish a direct Internet connection, we recommend you update the computer via "<http://windowsupdate.microsoft.com/>" (only works with Internet Explorer)!

1.3 Security instructions

Please note that passwords are in plain text in the configuration database and in the fieldgateda.ini file. This means that the computer on which Fieldgate Data Access is running must be secured accordingly! Access, at least, to the computer should only be permitted to trustworthy people.

In addition, a computer directly accessing the Internet – this is the case if Fieldgate Data Access retrieves measured value mails from a POP3 server on the Internet – should be kept up to date as per "<http://windowsupdate.microsoft.com/>" and, optimally, provided with additional security with a firewall.

The OPC server has an error which prevents access rights from being set especially for the server object. Instead, access rights must be configured via the Default Security. This problem will be solved in a future version.

1.4 Fieldgate Data Access

With **Fieldgate Data Access**, data are retrieved from Fieldgates with periodic time control. In addition, data (e-mails) sent by the Fieldgate can be retrieved by POP3 or IMAP4 servers. Fieldgates can also send measured value mails directly to Fieldgate Data Access.

Fetching the data is controlled via scheduler entries. The time can be controlled periodically or at user-defined times.

Under Windows NT4 / 2000 / XP, the data can be collected by a "**System Service**", which is processed in the background (→ Page 3).

Changes in Fieldgate Data Access over previous versions are documented in the "**History**" (→ Page 6).

1.4.1 Data sources

The following can be used as data sources:

- Access via http. In principle, this is access using a web browser. Access via a proxy server and via modem dial-in (RAS) are available as options.
- Access to e-mails (measured value e-mails) sent by Fieldgate via POP3 and IMAP4 mailbox. As an option, access to the server can also be performed via modem dial-in (RAS).
- Sending measured value mails directly to Fieldgate Data Access via SMTP.

1.4.2 Data presentation

The data received are:

- Saved as "**CSV files**"; national settings for column separation and floating point display are taken into consideration,
- Saved in a "**history database**",
- Made available via "**OPC**".

1.4.3 Alarm signalling

Fieldgate Data Access generates alarm e-mails, if scheduler entries cannot be processed. Alarm e-mails from connected Fieldgates can also be forwarded.

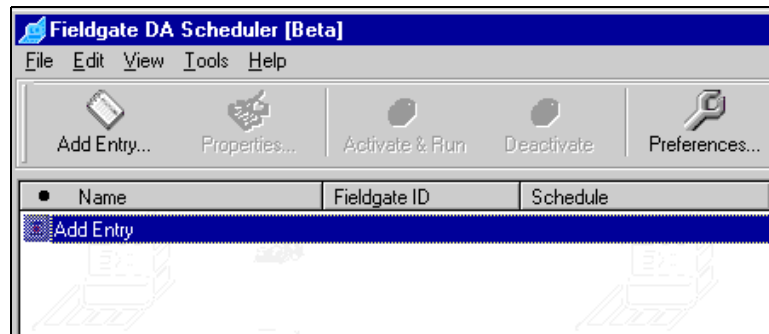
1.4.4 Miscellaneous

- Virtually any number of scheduler entries can be generated.
- Access to the Fieldgates is carried out in parallel (multi-threading).
- A modem connection is used for the modem dial-in.

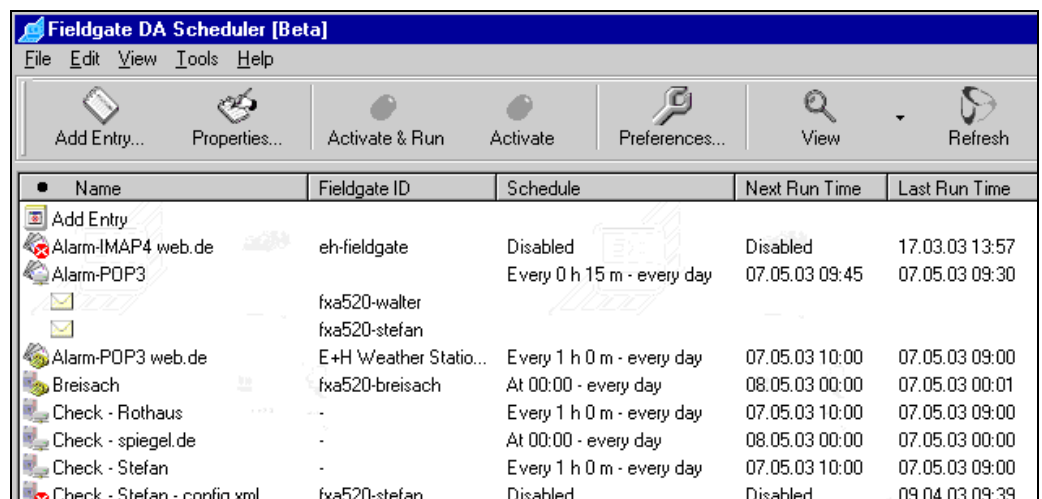
2 Operation

2.1 User interface

When first starting the program (the overview is empty except for **"Add Entry"**, it is recommended that you enter the first program settings via **"Preferences"**. This affects, above all, the settings for the **"Data Root Directory"**; this is where the collected data is stored.



In the next step **"Entries are added"**. These entries then appear in the overview. After a while, this could look something like this:



See also **"Symbols"**.

The usual Windows operating elements are used:

- Menu bar
- Toolbar
- List view
- Context menus
- Status line

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