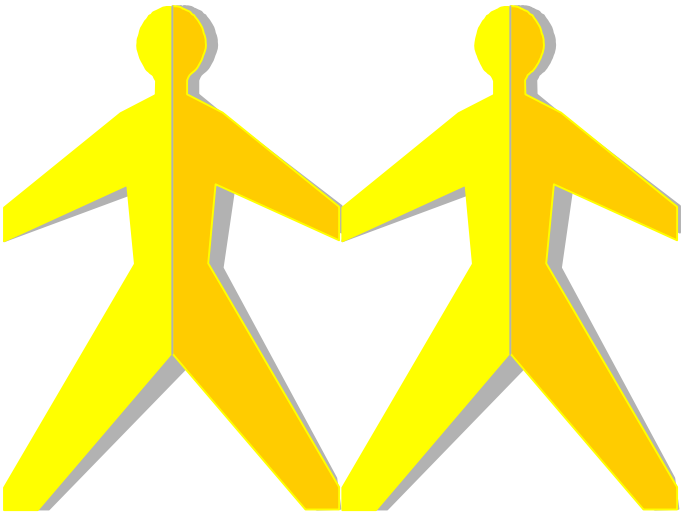

rvs®

Version 2.04.00.01

Installation Manual

rvs®

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Installation Manual

Pascalstraße 11

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Contents

Contents 3
1 Introduction 4
1.1 Short Description of the System 4
1.2 Target Group 8
1.3 Structure of the rvs® Manuals 8
1.4 Representation means 9
2 Installation on UNIX Systems 11
2.1 Prerequisites rvsX 11
2.2 New Installation rvsX 13
2.3 Update Installation rvsX 18
3 Installation on Windows NT systems 22
3.1 The rvsNT program environment 22
3.2 Prerequisites rvsNT 24
3.3 Connection type Installation rvsNT 25
3.4 New Installation rvsNT 28
Glossary 31
Index 35

1 Introduction

This chapter contains a short description of the rvs® system, an overview of the target group and the structure of the rvs® manuals as well as the explaination of the representation means which are used in this manual.

1.1 Short Description of the System

What rvs® is

The abbreviation rvs® stands for the German word Rechner-Verbund-System. The rvs® computer communication system is a well established base service for electronic data interchange, EDI.

Task of the system is, to guarantee transmisssion of electronic data between heterogenious computer platforms using different network protocols.

To do so, rvs® realizes a universal network model which can be configured by you within each network node.

It provides an efficient and reliable transport service for both standardized EDI message types and files of any format or content. You can get only data files which have been provided explicitly by rvs®.This means that rvs® does not provide an unauthorized access to remote data files.

The system was originally developed by Volkswagen AG and has been used in the German and European automobile industries for a number of years. rvs® uses the OFTP protocol. The Volkswagen AG has been developed an extansion to the standard OFTP: SNA LU6.2.

rvs® has become one of the most successful protagonists of EDI.

This "portable" version of rvs® has been developed in order to complement the classical rvs® product line which is based on MVS and VSE mainframes for use on midrange, mini systems and personal computing. Though the design and make of this product line differs considerably from the mainframe versions, the functional spectrum is almost exactly the same as that of rvs® MVS.

This version of rvs® is written in the language C and has been developed under the principles of modern design and the use of CASE tools.

What rvs® is not

rvs® is not an online system. It neither supports direct terminal-like access to other sites, nor does it provide a communication pipe from application to application on a data record level to the end user. You cannot directly execute transfers in your own application, you rather can place send orders in the rvs® database which will be handled asynchronously.

rvs® is not a job scheduling system.

rvs® does not care about the contents of the data sets it is transporting. It only acts as a transparent transport medium and performs no semantical interpretation of the data it carries.

rvs® is not a EDI converter. But additional components for converting between specific message formats (e.g. VDA, ODETTE, EDIFACT) can be purchased via gedas deutschland GmbH.

rvs® is not a network control or monitoring tool.

Supported Platforms

The following versions of portable rvs® are currently available:

- rvsX for SINIX using LU 6.2, X.25, ISDN and TCP/IP
- rvsX for AIX using LU 6.2, X.25, ISDN and TCP/IP
- rvsX for HP 9000 using LU 6.2, X.25, ISDN and TCP/IP
- rvsX for IRIX using ISDN and TCP/IP
- rvsX for Linux using ISDN and TCP/IP
- rvsX for SCO using ISDN and TCP/IP
- rvsX for Solaris using ISDN and TCP/IP
- rvs400 for IBM AS/400 systems using LU 6.2, X.25, ISDN and TCP/IP
- rvsNT for MS Windows NT using LU 6.2, X.25, ISDN and TCP/IP

Basic Functional Characteristics

The main function of rvs® is the reliable transfer of files. rvs® is suitable both for the transfer of large files and for the transfer of many small files. rvs® supports many networks with many stations which are based on different platforms. Various data formats are supported thereby.

The key characteristics of rvs® are:

- The Monitor, the central component of rvs®, controls as a kind of local agent all work to be done. rvs® works asynchronously, i.e. its processing is not under your direct control.
  You just places a send order in the rvs® database by means of a menu controlled user interface or out of a batch file or program. rvs® processes the send orders as soon as possible. The advantage is, that you or your application program does not need to wait for completion of a file transfer.
- The connection to the communication partner is automatically established when necessary.
- The automatic submission of jobs after reception of a data set is supported by means of resident receive entries. Wildcarding of data set names, user IDs, and station IDs is supported.
- The file transfer is possible for the following record formats:
  U Unstructured,
  T Text file,
  F Fixed,
  V Variable.
- Extensive security and authorization checking is performed.
- rvs® automatically repeats the transmission after an unsuccessful connection attempt or disruption of a connection. In the event of disruption rvs® only transmits the parts of a file which have not yet been transmitted. Therefore it is suited particularly to transmit large quantities of data even under difficult conditions.
- The compression of data during transfer increases transmission line throughput.
- It is possible to create alternative routes (e.g for backup purposes).
- The user interface is a menu controlled interface.
- Besides a menue controlled interface a single command line interface is provided. That means that you can call rvs® within batch or command files.

- A program call interface allows you to call rvs® services out of a user application program.
- The ODETTE File Transfer Protocol, OFTP, is used.
- The X.25 native communication (interfacing directly to ISO-OSI protocol Level 3) is the communication protocol for `open' communication. rvs® is designed to operate on the basis of Switched Virtual Circuits (SVCs).
- The ISDN communication is supported (via internal or external ISDN adapter).
- The SNA LU 6.2 communication (VW-modification of OFTP) is supported. This allows the use of the following physical SNA networks:
  - X.25
  - SDLC
  - Token-Ring
- The TCP/IP communication (According RFC 2204) is supported. rvs® is designed to run parallel transmissions on parallel TCP/IP connections.
- A forward recovery of rvs® database can be carried out from last database backup using the database LOG file.
- Message LOG files are provided for revision purposes.
- Tracing capabilities are provided on line I/O and/or OFTP level.
- rvs® supports multiple languages in messages, operator (console) and user interfaces (presently English and German).
- The data conversion, if wanted, can be carried out. Text files are automatically converted to the code (EBCDIC or ASCII) used on the target partner system.
- The earliest date/time of a transmission can be defined for each file to be transferred.
- A serialization facility allows the transfer of files in a sequence which you can define.

1.2 Target Group

This manual is intended as a reference for persons who are assigned to install and work with rvs®.

It is intended to serve as general information for persons who want to understand the basic functionality and to get background knowledge of rvs®.

rvs® is basically designed to run without operator control. However, there are always some duties left requiring hand-work. There is for example the very important task of maintaining the database. This requires regular cleanups and backups.

The following skills are required to be able to use rvs®:

- good knowledge of the current operating system
- knowledge of the communications technics in use
  - SNA LU 6.2 PU 2.1
  - X.25 native communications and/or ISDN native communications
  - TCP/IP
- understanding of the basic functions of rvs®
- knowledge of the current rvs® configuration

Before starting to work it is advisable to have read this book.

1.3 Structure of the rvs® Manuals

rvs® consists of the following manuals:

- Installation Manual
  The Installation Manual describes the installation of the rvs® software on different platforms. The **new installation** procedure and the **update installation** procedure will be explained step by step. The available manual is the Installation Manual.
- User Manual
  The User Manual describes how to transfer files to partners and vice versa. The three (basic) interface methods – interactive, batch and API – are described.
- Operator Manual
  The Operator Manual describes how you can work with rvs® using the console. It contains tips how to maintain your data and a description of the utilities as well as how to configure rvs® after the installation. Furthermore, this manual contains information on the technical background of rvs®.

- Messages und Return Codes Manual
  This manual describes all messages and error codes which will be displayed on the rvs® Monitor and in the log file.

The Installation Manual, the User Manual and the Operator Manual are available as printed and as electronic documents. The electronic document is available in Portable Document Format (PDF). The "Messages and Return Codes Manual" is only available as electronic document.

We have planned to create tutorials for the operator and the user. These manuals will contain all important steps how to work with rvs®. An explanation will be given step by step and in the correct order. That will help you to optimize your work with rvs®.

1.4 Representation means

This chapter contains the description of the indications which are used in this manual and the explanation of the expressions which are marked.

Indications

`courier`	commands, menu commands, file names, path names, programs, examples, scripts, qualifiers, data sets, fields, options, modes, window names, dialog boxes and statuses
BOLD and IN CAPITAL LETTERS	parameters, environment variables, variables
"quotation mark"	links to other manuals, sections and chapters, literature
bold	important, names of operating systems, proper names, buttons, function keys

Expressions

rvsX is the synonym of rvs® for **UNIX** systems.

rvsNT is the synonym of rvs® for **Windows NT** systems.

rvs400 is the synonym of rvs® for **AS/400** systems.

Directories

As user directories are found on different locations for the different operating systems we use the variable **$RVSPATH** in this manual. Default values are:

- `/home/rvs/` for **AIX**, **Solaris**, **IRIX**, **Linux** and **SCO**
- `/users/rvs/` for **HP-UX**
- `/defpath/rvs/` for **SINIX**
- `c:\rvs` for **Windows NT**

Substitute the variable with your correct path.

Generally, the file names on **OS/400** systems are always written in capital letters.

2 Installation on UNIX Systems

rvs® allows installation of a new rvs® version or update of an existing rvs® installation (rvs® version 2.0 or later). To install rvs® please follow the instructions for a new installation or an update respectively in the specified order.

2.1 Prerequisites rvsX

To install rvs® on

- **AIX**, you need a RS/6000 computer system running AIX 4 or higher.
- **Solaris**, you need an SUN Sparc computer system running Solaris 2.5 or higher. rvs® on SUN systems supports the protocols OFTP-ISDN and OFTP-TCP/IP.
- **IRIX**, you need an SGI computer system running IRIX 6.2 or above. rvsX (**IRIX**) supports the protocols OFTP-ISDN and OFTP-TCP/IP.
- **SINIX**, you need an an MX computer system (models 300 or 500) or an RM computer system (models 400 or 600) running SINIX 5.42 or above.
  For connections via leased (or dialup) lines or packet switched network a loadable network processor with appropriate network connection is required. For connections via Tokenring, a Token Ring Controller is required.
  If you decide to use X.25 native communication, rvs® requires an X.25 multichannel with AT LEAST 2 virtual channels (SVCs) with incoming and outgoing capabilities. Since one SVC can carry only one transmission at a time, a larger number of SVCs might be required for more parallel transmissions, depending on expected data traffic.
- **HP-UX**, you need a HP/9000 computer system running HP-UX 10.20.
  For LU6.2 Connections you must have installed SNAplus APPC 9.7 or above.
  For X.25 Connections you must have installed X25/9000.
- **SCO** Unix, you need an INTEL based computer system running SCO Unix 3.2.4 or SCO ODT 5.0 or above.
  rvs® on SCO systems supports the protocols OFTP-ISDN and OFTP-TCP/IP.
- **Linux**, you need an PC system running Linux 2.0.36 or above.
  rvs® on Linux systems supports the protocols OFTP-ISDN and OFTP-TCP/IP.

Note: The rvs® data sheets contain the actual version numbers of the supported operating system.

Initially, you need at least 15 MBytes free space on your hard disk. Depending on the amount of usage, the retention period for old entries, and the time between database cleanups, the space requirement may be considerably larger.

By default, rvs® is distributed on CD ROM or data tape, so your system must be able to read those. Please contact your distributor, if you have different requirements.

In order to work with the rvs® Dialog Interface you need a keyboard with function keys **<F1>** - **<F8>**. Sometimes the keys **<F1>** - **<F5>** have a special meaning, so you must use the keys **<PF1>** - **<PF4>** instead of **<F1>** - **<F4>** and **<F6>** - **<F9>** instead of **<F5>** - **<F8>**. On "vt100" terminal emulations, you can use the numeric keypad keys **<1>** - **<9>**.

If no function keys are available: The key

"?" works as **<F1>** (help),
"&" works as **<F2>** (add),
"!" works as **<F3>** (exit),
"%" works as **<F5>** (delete/refresh),
"<" works as **<F7>** (up),
">" works as **<F8>** (down).

2.2 New Installation rvsX

Before you may install rvsX it is necessary to define the user **rvs** and the home directory **$RVSPATH** (see chapter "Representation means" for the detailed description of **$RVSPATH**).

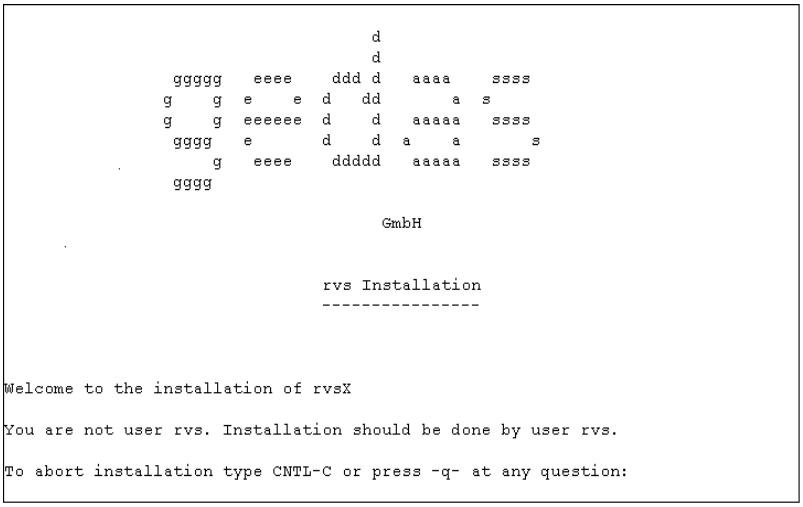
1. Log in as root and create an UNIX user **rvs** (recommended user name) with home directory **$RVSPATH** (recommended directory).

2. Log in as user **rvs**.

3. Copy and uncompress the installation file from CD ROM or tape respectively to the rvs® user home directory (e.g. $RVSPATH, please refer to the readme file for the name of the installation file).

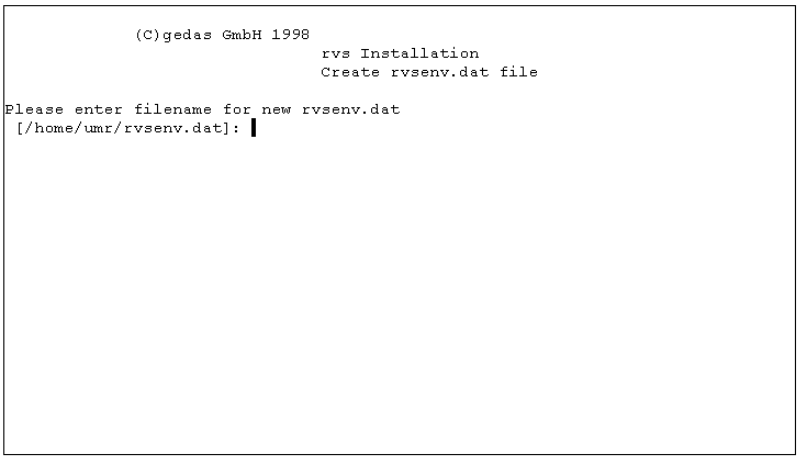
4. Run installation procedure by entering the name of the installation file and pressing **<Enter>**.

5. The first screen welcomes you:

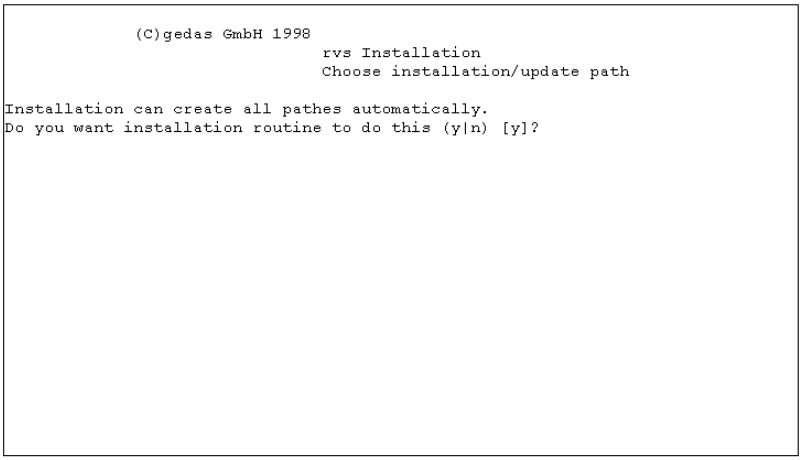


Press **<Enter>** to continue.

6. The next two screens assist you in configuring the rvs® environment. Enter path and name of rvs® environment file. The default value (`rvsenv.dat`) is shown.



7. You may decide if you wish an automatic or custom selection of rvs® path:



8. After you have entered the rvs® path definitions or have them created by the installation routine the next screen shows the results that will be written in the rvs® environment file:

```
            (C)gedas GmbH 1998
                                rvs Installation
                                write new rvsenv.dat

SYSTEM      = '/home/umr/rvs/system'
DB          = '/home/umr/rvs/db'
INIT        = '/home/umr/rvs/init'
TEMP        = '/home/umr/rvs/temp'
USRDAT      = '/home/umr/rvs/usrdat'
SAMPLES     = '/home/umr/rvs/samples'
ARCDIR      = '/home/umr/rvs/arcdir'
DBLOG       = 'N'
LANGUAGE    = 'D'
DFTAUT      = '660'
MODE        = 'n'
PORT        = '2956'
SERVER      = 'rvsaix2'

Update profile (y|n) [y]?
```

You may have the rvs® user profile (e.g. `$RVSPATH/.profile`) modified by the installation routine (press **y**). If you decide to modify the profile yourself please set the environment variable **RVSENV** pointing to the rvs® environment file and add the rvs® **SYSTEM** path to the **PATH** variable.

9. The next screen informs about copying files and queries wether CAPI ISDN software is installed:

```
            (C)gedas GmbH 1998
                                rvs Installation
                                Copy rvs files

chmod: *: No such file or directory
Copying files ...
... done.
Do you use network CAPI (e.g. BinTec BRICK) for ISDN/X.25 communication?
[if NO: Make sure ISDN software (e.g. Diehl driver) is installed !] (y|n) [n]?
```

If you press **y** this means that you use the network CAPI. If you use another ISDN software press **n** and check the software to be quite sure it is running before rvs® is started.

10. This screen assists you in configuring your rvs® installation, in configuring your local station in the rvs® station table and in initializing of the rvs® database:

```
            (C)gedas GmbH 1998
                                rvs Installation
                                Configuration

Do you want to start rvs every times your system starts (y|n) [n]?

To break station configuration press -qq- instead of parameter value.
Please enter new SID for station LOC [LOC]:
Please enter value for parameter ST-STATNAME ['local rvs station']:
Please enter value for parameter NK-PROTOCOL [T]:
Please enter value for parameter OP-ODETTEID ['aaa']:
Please enter value for parameter TC-PORT [3305]:
Please enter value for parameter XP-N [1]:
Please enter value for parameter XP-LINK ["RCAPI1"]:
Please enter value for parameter XP-ISDNNO [""]:
Do you want to change parameters in rdmini.dat (y|n) [n]? y

To break station configuration press -qq- instead of parameter value.
Please enter value for parameter CNSMSGS ["BEIRWSOL+"]:
Please enter value for parameter MAXSENDERS [1]:
Please enter value for parameter MAXX25RCV [0]:
Please enter value for parameter TCPIPRCV [0]:
Please enter value for parameter OCREVAL [99]:
Please enter value for parameter OEXBUF [2000]:
Please enter value for parameter LITRACELVL [0]:
Please enter value for parameter CMDDELETE [1]:
Please enter value for parameter RLOGMAXSIZE [1000000]:
Please enter value for parameter RLCOMAXSIZE [1000000]:
Create database now (y|n) [y]? y
Creating database ...
... done.
Continue:
```

11. The last screen finishes the installation and informs you about the next required steps in order to complete the rvs® configuration.

```
            (C)gedas GmbH 1998
                                rvs Installation
                                End

rvsX (AIX) R2.02.01.00 (c) gedas 1999
         All rights reserved.

starting rvs monitor, please wait ...

monitor: rvsmon   (process id: 19908)
monitor: rvsmon   (process id: 28108)
*******************************************************************************
*                                                                             *
*           now type 'rvscns' to start rvs operator console                   *
*                                                                             *
*******************************************************************************


 now continue with the following steps :
 - see details in the INSTALLATION MANUAL !!-

 1. check your licence key
 2. customize the station table
 3. start the monitor


//rvsaix3/home/umr>
```

12. Customize station tables, as described in the Operator Manual chapter "Customizing Station Table and Related Tables for UNIX and AS/400". An example is given in the file `rdstat.dat`.

13. Modify the Monitor's initial commands to suit your environment (see Operator Manual in chapter "Monitor Initialization File for UNIX"). An example is given in the file `rdmini.dat`.

14. Customize your communications environment (see Operator Manual in chapter "Configuration of UNIX Systems").

15. Choose and define privileges according to your requirements (see Operator Manual in chapter "Choosing Privileges for rvsX").

    This completes the installation.

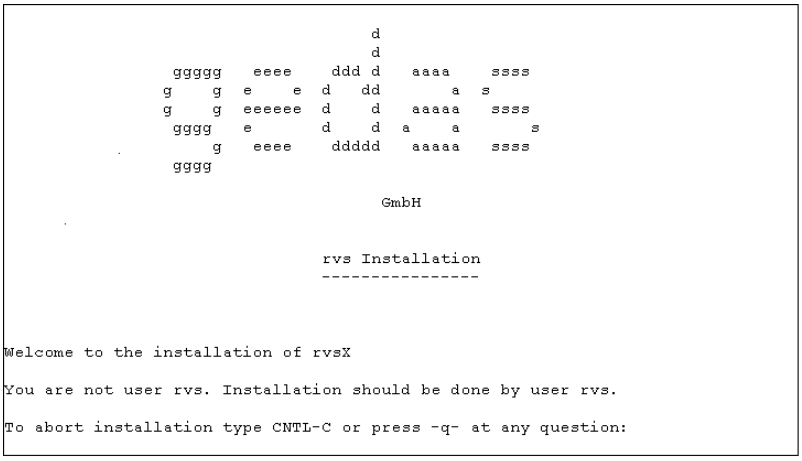
2.3 Update Installation rvsX

1. Log in as user **rvs**. Change to rvs® user's home directory.

2. Copy and uncompress the installation file from CD ROM or tape respectively to the rvs® user home directory (e.g. $RVSPATH, please refer to the readme file for the name of the installation file, see chapter "Representation means" for the detailed description of **$RVSPATH**).

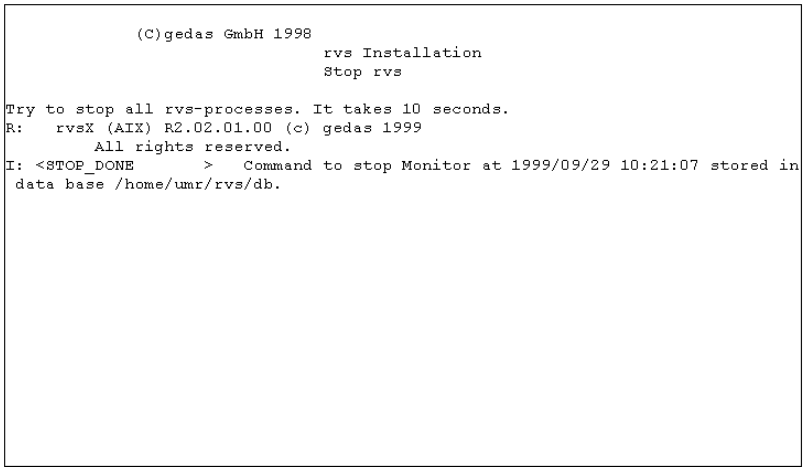
3. Run installation procedure by entering the name of the installation file and pressing **<Enter>**.

4. The first screen welcomes you:

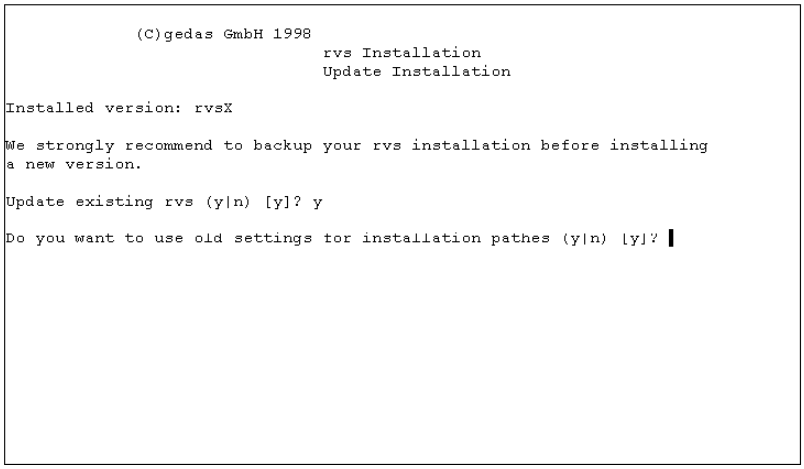


5. Press **<Enter>** to continue.

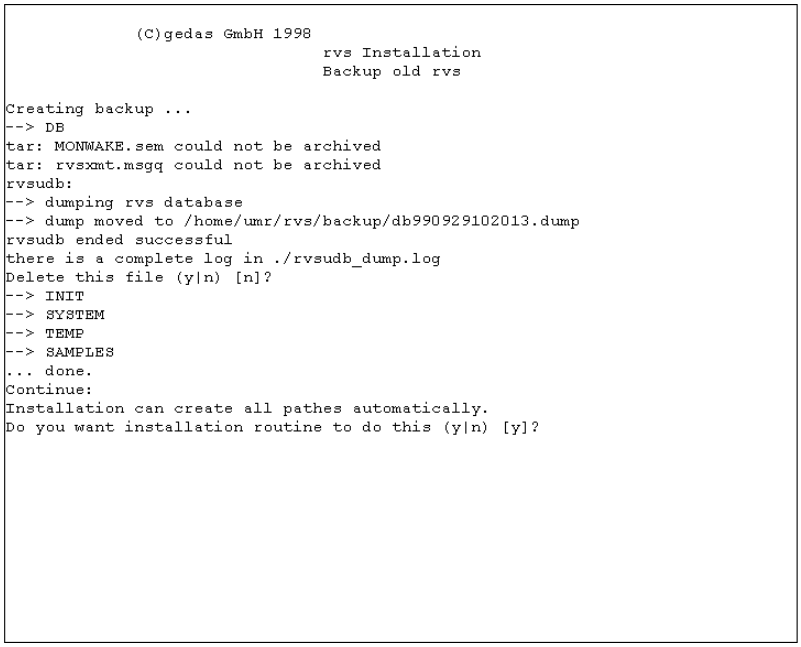
6. If rvs® is running, installation will stop all rvs® processes:



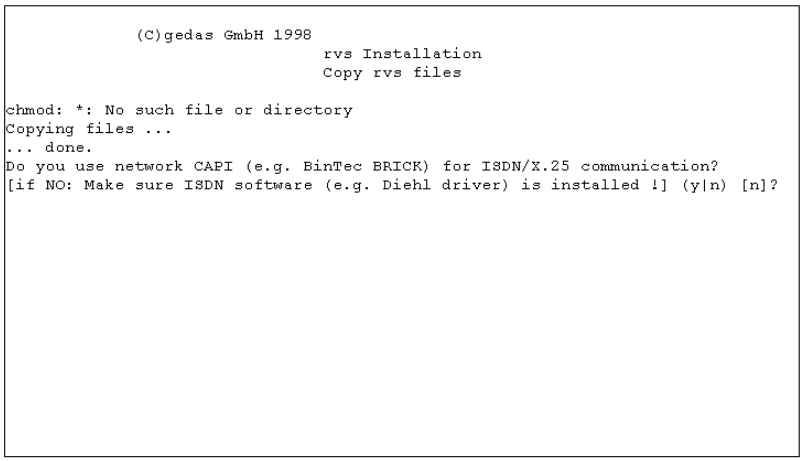
7. The installation asks for updating existing rvs®. If you choose not to update, you will install rvs® like a new version (see also chapter "New Installation rvsX"). The following screens show an update.



8. Installation creates a backup and dumps the current database. It asks for automatically or custom creation of paths.

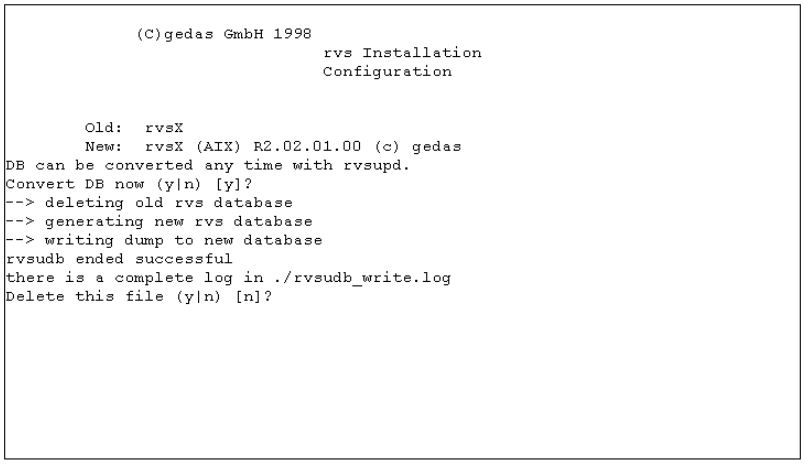


9. The next screen informs about copying files and queries wether CAPI ISDN software is installed:

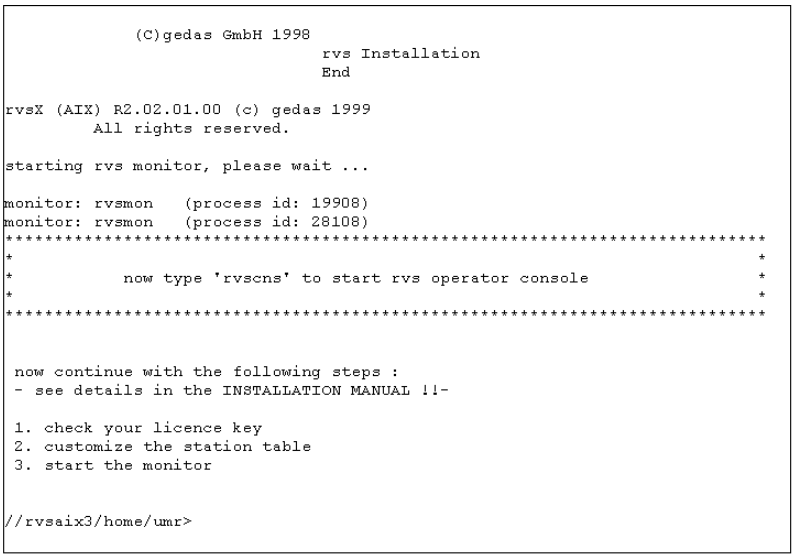


   If you press **y** (showing you use network CAPI) the needed software is installed automatically. If you use another ISDN software press 'n' and check the software to be quite sure it is running before rvs® is started.

10. The old database is deleted, a new one is created and the dump of rvs® database is written to the new database.



11. The last screen finishes the installation and informs you about the next required steps in order to complete the rvs® configuration.



```
            (C)gedas GmbH 1998
                                rvs Installation
                                End

rvsX (AIX) R2.02.01.00 (c) gedas 1999
         All rights reserved.

starting rvs monitor, please wait ...

monitor: rvsmon   (process id: 19908)
monitor: rvsmon   (process id: 28108)
*******************************************************************************
*                                                                             *
*            now type 'rvscns' to start rvs operator console                  *
*                                                                             *
*******************************************************************************


 now continue with the following steps :
 - see details in the INSTALLATION MANUAL !!-

 1. check your licence key
 2. customize the station table
 3. start the monitor


//rvsaix3/home/umr>
```

3 Installation on Windows NT systems

This chapter describes the rvsNT program environment and the required prerequisites to install rvs®. Furthermore, the connection type installation for ISDN, X.25, TCP/IP and SNA is described as well as the new and update installation of rvs®.

3.1 The rvsNT program environment

The rvsNT installation program creates a folder with all links required for the rvsNT program environment. The following table shows the program functions and the link instruction with the respective parameters. You can start the program by invoking the associated link, at the control panel (after `Start → Input` Instruction) or by using the command `Start → Run`.

Program	**Function / Information**	**Link = control panel command or Start / Run...**
Init Database	Initializes the rvs® database. LOC is the standard station ID for your own (local) workstation.	c:\rvs\system\rvsidb.exe LOC
Get Machine ID	Reads a three- or four-character machine identification number and displays it on the screen.	c:\rvs\system\rvsgmid.exe
rvsNT Administrator	Graphical configuration, administration and operating program for the rvsNT administrator.	c:\rvs\system\rvsmgr.exe
rvsNT	Graphical user interface for the rvsNT user. The tool for daily data exchange.	c:\rvs\system\rvsdiant.exe

Batch	Program for processing batch jobs when anticipated data arrive.	c:\rvs\system\rvsbat.exe
Delete Database	Deletes the rvs database.	c:\rvs\system\RVSDBDNT.exe
Monitor Parameters	Opens the file with initialization commands.	notepad.exe c:\rvs\init\rdmini.dat
Readme File	Opens the readme file with the newest information that is not included in this manual.	notepad.exe c:\rvs\system\README.TXT
rvs Console	MS DOS window for displaying messages and entering operator commands. It is replaced by the window "Monitor Log" in the "rvsNT administrator". For users of earlier versions of rvsNT and those who use rvs on other platforms. You can find more information in the "rvs® Operator Manual".	c:\rvs\system\rvscns.exe

Dialog	rvs Dialog Control Panel for creating and receiving send orders. It is replaced by rvsNT. For users of earlier versions of rvsNT and those who use rvs on other platforms. You can find information in the "rvs® User Manual".	c:\rvs\system\rvsdia.exe
Stop rvs Monitor	Stops the rvs® Monitor.	c:\rvs\system\rvsstop.exe

3.2 Prerequisites rvsNT

You need the following equipment in order to operate rvsNT:

- PC (i386 platform), at least 32 Mbytes working memory and 20 Mbytes of free memory on the hard disk
- Operating system: Microsoft Windows NT, version 4.0
- Communications line based on ISDN, TCP/IP, X.25 or SNA-LU6.2
- Hard disk storage for data transmission. Recommended value: at least 2 x size of the files to be transmitted.
- Internal communication based on TCP/IP; therefore an installed TCP/IP protocol is required. Instead of a network adapter the MS Loopback Adapter can be used.

3.3 Connection type Installation rvsNT

ISDN interface

If you want to use rvsNT to exchange data via the ISDN network you need the following equipment:

- ISDN type telephone connection with s0-connection having at least two data channels (B-channel) and one control channel (D-channel)
- ISDN adapter
- CAPI 2.0 driver software for operation of the ISDN card under Windows NT.

This is how you install the ISDN interface:

- Install the ISDN card into your computer and attach the ISDN card to the ISDN connection.
- Make sure that the ISDN card works properly.
  Note: Many card manufacturers supply suitable software for a self-test, such as a call from one data channel to another.
  Restart your computer after installation and the test in order to make the CAPI 2.0 driver available for other applications.

If you use an external ISDN router (e.g. BinTec Brick), you do not need an internal ISDN card. In this connection, several applications can share the same Brick router. The Brick router supports the "Remote CAPI" interface. This means that every computer in your LAN uses the Brick router as if it were a local ISDN card in the computer.

Note: gedas deutschland GmbH has successfully tested the following ISDN devices for use with rvsNT:

Device	Manufacturer	Remarks
EICON DIVA Server BRI-2M	Eicon, http://www.eicon.de	
EICON DIVA Pro 2.0	Eicon, http://www.eicon.de	
EICON DIVA 2.0	Eicon, http://www.eicon.de	
AVM B1	AVM, http://www.avm.de	
AVM Fritz Card	AVM, http://www.avm.de	only Classic and PCI
BIANCA/BRICK-XS	BinTec, http://www.bintec.de	with remote CAPI

rvs® Support will provide you with the current list of tested devices (phone: 0049-30-3997-1777, fax: 0049-30-3997-1994, email address: rvs-service@gedas.de)

X.25 interface

If you want to use rvsNT to exchange data via an X.25 type network you need the following equipment:

- X.25 network connection
- Interface hardware for interfacing the X.25 network in your computer.
- Driver software for operation of the X.25 card under Windows NT.

If you already have this equipment then you install the X.25 interface as follows:

- Install the X.25 card in your computer and attach it to the X.25 network connection.
- Make sure that the X.25 connection works properly. To do so use the X.25 network testing or operating software provided by the card manufacturer.

Note: gedas deutschland GmbH has successfully tested the following X.25 cards for use with rvsNT: EiconCard - EICON Technology Corporation; cards manufactured by TECCOM Ltda, Rua da Assembleia, 10Gr. Centro - Rio de Janeiro - RJ, Brasil Connectionto.

SNA interface

If you want to use rvsNT to exchange data via an SNA-LU6.2 network you need to do the following:

- Install the network hardware with which you want to connect your computer to the network. For more detailed information consult the documentation provided by your hardware supplier.
- Install the MS SNA server software on your Windows NT Server and configure the server for LU6.2 communication.
- Install the MS SNA Client Software for connection with the SNA server on each of the client computers on which you want to use rvsNT.

TCP/IP interface

The TCP/IP protocol is required for exchanging data using rvsNT and also for internal rvs® communication. For the data exchange you have to do the following:

- Install the network hardware with which you want to connect your computer to the network. For more detailed information consult the documentation provided by your hardware supplier.
- Start the `Network` program in the Windows NT control panel.
- Select the index card `Protocol`.

The index card shows the network protocols that are already installed.

- If the TCP/IP protocol is not contained in the list shown, then click the **Add** button.
- Select the TCP/IP protocol in the window displayed and confirm your selection with **OK**.
- Click the **Properties** button and set the IP addresses for your environment.
  Note: The network administrator will provide you with the IP addresses.
- Confirm the entries by pressing the **OK** button and close the `Network` window by pressing **OK**.

3.4 New Installation rvsNT

- Start Windows NT and log in as a NT user with administrator rights.
- Insert the data carrier labelled **rvsNT** in a drive.
- Execute the Windows NT menu command `Start → Run`.
- Enter `D:\setup.exe` to run the installation program (if your CD ROM drive is drive D:).
- Confirm the entry by pressing the button **OK**.

The installation program now starts and guides you through the installation of rvsNT.

- Follow the installation program instructions.
  You can confirm the installation directory `c:\rvs` or select another.
- You may choose between German or English as user languages.
- We recommend LOC as the station ID for the local station. However, you may choose a different ID.
- By default 2956 is set as the TCP/IP port for the Active Panel. The Active Panel gives information as to the status and progress of transmissions at the line level.

The installation program creates the `rvs` file in the Programs menu `file` along with the required links (icons) to rvsNT applications.

We recommend to read the file `ReadMe.txt` before starting the rvsNT Administrator.

After your acknowledgement the rvsNT Administrator generates the rvs database. This database is required to operate rvsNT. The program `Init Database` initializes this database in the database directory (`c:\rvs\db`).

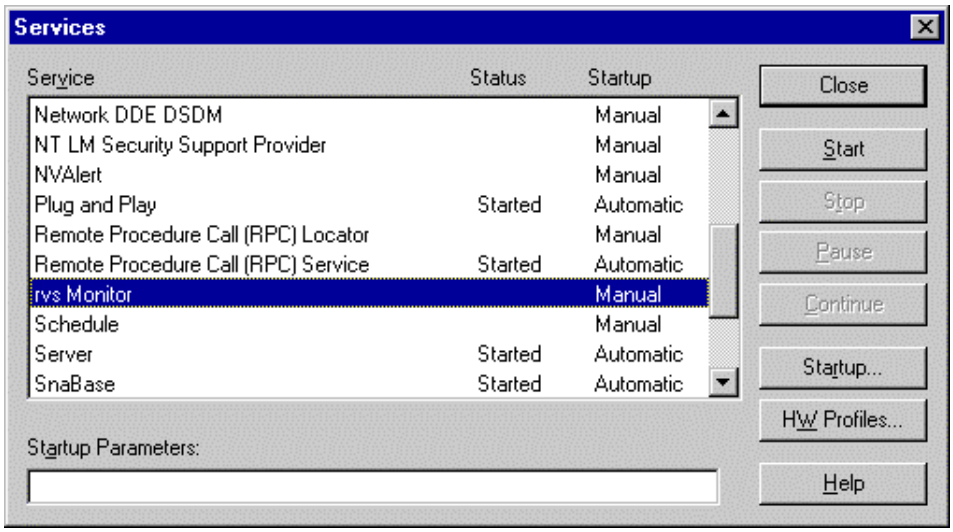
Important: The Windows NT user currently logged on and who initialized the database, is automatically entered in the rvs® database as an rvs user with the rights of an rvs administrator.

At the end of the installation rvsNT offers you the opportunity of immediately setting up stations (Please see "Operator Manual", chapter "Configuration of Windows NT systems"). You may, however, set up stations at a later time.

Specify rvs® Monitor / Startup Mode

The rvs® Monitor provides the applications with information on the current data exchange processes. After the installation completed the rvs® Monitor's startup mode is `manual`. This means that you have to start the service new after each start of the system. To automatically start the rvs® Monitor whenever the system is started:

- Open the Windows NT Control Panel with the menu command `Start` → `Settings` → `Control Panel`.
- Start the `Services` program.
- Search the list of services for rvs® Monitor and select the service by clicking the appropriate line.



- Click the **Startup Mode** button. The `Service` dialog window opens.
- Select `Automatic` as the startup mode and confirm it with **OK**. The rvs® Monitor startup mode changes to `automatic`.

Equip: rvs® Monitor with special user rights

As standard the rvs® Monitor service runs under the system user of the local machine. It has no authorizations to be able to access network directories. If it is necessary for the rvs® Monitor or the processes it controls (e.g. a batch job from a resident receive entry) to access network directories, the rvs Monitor service must work under a user authorized to do so. In the `Service` dialog window you can make this possible carrying out the following steps:

- Activate in the `Log on as:` field the `This account:` key and then the button **...**, to select an appropriate user. After selecting a user enter the password twice and acknowledge with **OK**. The service will now be assigned to this user.

Starting the rvs® Monitor for the first time

- Press the **Start** button in the `Services` dialog window. Windows NT will now try to start the service. If the attempt is successful the rvs® Monitor status will change to started.

The entry is 

Glossary

A

Access Method	The access method describes the way by which two stations are connected.

B

Batch Interface (`rvsbat`)	The batch interface of rvs® offers user functionality for automatic background use.

C

CCP	Communications Control Program
CMX	Communication Method UNIX (SINIX); CMX describes the interface to the user application, in our case rvs®.
Communication Module (`rvscom`)	The communication modul of the rvs® system connects to another station and sends or receives files.

D

Dialog Interface (`rvsdia`)	The Dialog Interface of rvs® provides interactiv user functionality.

E

EDI	**E**lectronic **D**ata **I**nterchange
EDIFACT	**E**lectronic **D**ata **I**nterchange for **A**dministration, **C**ommerce and **T**ransport
EERP	End-to-End-Response. ODETTE expression
ETSI	European Telecommunications Standardization Institute

F

FSS	Forwarding Support Service

G

H

I

J

K

L

M

MasterTransmitter (`rvsxmt`)	The MasterTransmitter of the rvs® system coordinates send and receive processes to ensure the optimal use of the net capacity.
Monitor (`rvsmon`)	The monitor is the main task of a rvs® system. It controls transmissions sent and received and initiates automatic follow up jobs if necessary.

N

O

ODETTE	Organization for Data Exchange by Tele Transmission in Europe Get the complete description of OFTP from http://www.odette.org/odg4/4oftp.htm

OFTP	ODETTE File Transfer Protocol The ODETTE File Transfer Protocol is the definition of a file transfer protocol by the ODETTE Group IV for OSI Layers 4 to 7. International Protocol used in many business fields (Industry, Commerce, Finance, ..).
Operator Console (`rvscns`)	The operator console provides the administrator with rvs® functions to control the rvs® system.
OSI	Open System Interconnection

P

PDF	Portable Document Format
Protocol	To connect two different computers they have to follow the same protocol. This protocol defines actions and reactions as well as the ”language” spoken.
PVC	Permanent Virtual Circuit

Q

R

`rvsmon`	See Monitor

S

Send Entry	Order to rvs® which file has to be sent to which station. This entry is saved in the database.
SID	rvs® expression for the station ID
Station	A station is a node that can be addressed within a rvs® network. Each station is identified by a unique station ID (SID).
SVC	Switched Virtual Circuit

T

TNS	Transport Name Service
Transfer Component	Control program and line driver for a special access method
TSP	Transport Service Provider

U

V

VDA	Verband der Deutschen Automobilhersteller Adress: Verband der Automobilindustrie e.V. (VDA) Abt. Logistik Postfach 17 05 63 60079 Frankfurt Tel.: 069-7570-0
VDSN	**V**irtual **Data set N**ame ODETTE expression for the file name of a file which has been transfered via OFTP

W

X

Y

Z

Index

Basic Functional Characteristics 6
Configuration
  rvs® 16, 21
data conversion 7
EDI 4, 31
FTP 32
function keys 12
functional characteristics 6
Installation 19
installation procedure 13, 18
interface
  ISDN 25
  SNA 27
  TCP/IP 27
  X.25 26
key characteristics 6
MasterTransmitter 32
Monitor 32
Monitor commands 6, 17, 33
physical network 4, 5, 11, 15, 20, 33
Platforms 5
portable version 4
rvs® Monitor
  start 30
rvs® database 5, 6, 7, 16, 20
rvs® environment 14, 15
rvs® path 14, 15
rvs® station table 16
rvs® user profile 15
SID 33
SNA LU 6.2 7, 8
Specify rvs® Monitor 29
Startup Mode 29
Station table 17
stop rvs® processes 18
SVC 7, 11
user interface 6
user profile 15
user rights 30
What rvs® is 4
What rvs® is not 5
X.25 native communication 7, 11