

## PCSACC/400 Installation instructions for second time installation **V4R1M3**

The Security concept for iSeries Access for Windows, TCP/IP FTP, TCP/IP TELNET 5250 and DDM

### Required version of OS/400

This program require **V4R3** of OS/400 or later. It is tested up to **V6R1**. You can direct upgrade from all versions of PCSACC/400 (V2R1M05 - V3R2M8) to this release. Please follow the attached Ptf informations.

**With PCSACC/400 release V4R1M1 you'll need a new license code.** With payment of the current maintenance invoice you'll automatically get a new license key for another 12 months via email.

### Installation Procedure

Expected installation time without data transfer will be 10 minutes.

**Second time installation = Installing a higher version of PCSACC/400.**

In case library **QPCS** and user **QPCS** are already existing on the system a second installation is assumed. All your existing data and license number will then be preserved. *During the installation your library QPCS will be renamed into QPCSO, an existing library QPCSO will be deleted.* All data of library QPCSO will be integrated into library QPCS and adapted.

### Check of the disk allocation for the reduction of the installation time

It is urgently recommended to print a summary overview using command

**PRTSPC SUMMERY(\*ONLY)**

in order to avoid an installation time of multiple hours. In case the logged protocol files exceed 1-200 MB, it might be useful to convert the logged data into authorities or delete them before starting the second time installation (using command CLRPFM QPCS/PCOUT and CLRPFM QPCS/PCOUT2).

Conversion can be submitted to batch with command **CHGPCS - option 05** and in Programm **DSPUSR option S and F17**. Please take into consideration, that this batch job may run multiple hours when converting Gigabytes (= more than 100.000 records per user), depending on **power, available DASD capacity and CPU usage of your iSeries (AS/400)**. The batch jobs can be cancelled at any time. Data will not be lost.

**Reorganization of data (RGZPCS) prior to installation is not required.**

Please prove if libraries **QPCSO, QPCSO2924, QPCSO2929** and/or **QPCSO2939** are stored on your system before installation. These libraries contain an old version of PCSACC/400 and **have to be deleted before the new installation.**

### End workmanagement job's for active exit programs

Command **PCSNETA** and option **F9** has to be used in order to end subsystems **QSERVER** and **QUSRWRK (V5RX)**, to end **TCP/IP FTP** and eventually **TCP/IP TELNET** if a **PCSACC/400** version **V3R1M1** or higher is being replaced and **TELNET** exit programs have been activated. Use **F2** in order to end all necessary workmanagement jobs and confirm execution by pressing **F2**.

**No DDM connection should be active. Users of exit programs have to be inactive.**

If library **QPCS** cannot be assigned, installation can not be performed. The job will be cancelled with an appropriate message. In case of **termination** (device read error) you can **set back** the installation with the following commands:

**DLTLIB QPCS2924, DLTLIB QPCS2929** and **DLTLIB QPCS2939** and then

**RNMOBJ OBJ(QSYS/QPCSO2924) OBJTYPE(\*LIB) NEWOBJ(QPCS2924)**  
**RNMOBJ OBJ(QSYS/QPCSO2929) OBJTYPE(\*LIB) NEWOBJ(QPCS2929)**  
**RNMOBJ OBJ(QSYS/QPCSO2939) OBJTYPE(\*LIB) NEWOBJ(QPCS2939)**

Please sign on as **QSECOFR** or as a user with class **\*SECOFR** . Group profil QSECOFR is not sufficient for the installation process.

### **Installation via Internet (\*SAVE)**

1. Create a savefile QPCS using command **CRTSAVF QGPL/QPCS** on the iSeries in Library QGPL.

2. Sign on to AS/400 via FTP from your DOS-window or the run option. Switch to binary mode with 'BINARY'. Write the PC file into the savefile QGPL/QPCS by using PUT.

**C:\>ftp hostname** or with ip address **ftp XXX.XX.X.X =====>>Name or ip address of your iSeries (AS/400)**

Connected to hostname.

220-QTCP at hostname.

220 Connection will close if idle more than 5 minutes.

**User (hostname:(none)): qsecofr**

**331 Enter password.**

**Password:**

230 QSECOFR logged on.

**ftp> cd qgpl**

250 "QGPL" is current library.

**ftp> binary**

200 Representation type is binary IMAGE.

**ftp> put c:\daten\QPCS.SAVF =====>> use the path of the download.**

200 PORT subcommand request successful.

150 Sending file to member QPCS in file QPCS in library QGPL.

250 File transfer completed successfully.

FTP: 21749376 Bytes send in 13,21seconds 1646,56KB/s

Ftp>

3. Delete old version of program PCSINST

**DLTPGM QGPL/PCSINST**

4. Restore program PCSINST into library QGPL by using the following command

**RSTOBJ OBJ(PCSINST) SAVLIB(QPCS) DEV(\*SAVE) OBJTYPE(\*PGM)**

**SAVF(QGPL/QPCS) RSTLIB(QGPL)**

5. Call the installation program by using command **CALL QGPL/PCSINST '\*SAVE'**

### **Installation from CD rom**

Please mount the cd rom in the optical device (Please wait some seconds) and start installation process by using the command **LODRUN** and specifying the name of the CD rom device for example OPT01.

The system automatically restores the installation program from cd rom for execution.

### **Installation Procedure**

The installation process can completed without user intervention, informational messages appear during installation process and completion message will be displayed.

**Please, do not interrupt the installation for any reasons, CPYF may need long time for completion!**

If CPYF of protocol data takes too much time, the installation **process can be canceled**.

-----**Finishing of an aborted installation**-----

Now protocol Data in **library QPCSO** can be removed with commands

**CLRPFM FILE(QPCSO/PCOUT)**  
**CLRPFM FILE(QPCSO/PCOUT2)**

**Attention: Program PCSINST3 clears files in library QPCS and copies them out of library QPCSO. Library QPCSO has to exist.**

If installation can be completed with

**CALL QPCS/PCSINST3 'PCSACC'**  
**CALL QPCS/PCSINST4 'PCSACC'**

If not alle CPYF commands are successfully executed, you can repeat this process as often as you need with **CALL QPCS/PCSINST3 'PCSACC'**

-----**Now you have finished the aborted installation**-----

**Installation is now completed succesfully.**

**Please check if all data has taken over successfully, using command CHGPCS.**

Libraries **QPCSO, QPCSO2924, QPCSO2929** and **QPCSO2939** can now be deletead.  
**There is no more work to do.**

Please, keep the installation protocol, file QPSRLDSP contains informations about installed objects and the printed joblog.

## **Further actions after installation**

**Required OS/400 Ptf's:** Please have attention also to ptf informations and tips. Required Ptf's have to be installed and applied prior to activation of interface programs.

## **Call activation of the exit programs**

For activation of the exit programs use command **PCSNETA** or option **1** in command **CHGPCS**.

## **Run activation of the exit programs**

**F10** can be used to display screen for workmanagement functions that have to be started. The necessary action can be selected via **F2** and has to be confirmed by pressing **F2**. After executing the Start-jobs, you are now again ready for production.

**Restart of workmanagement jobs can be performed via IPL, following a restart from restricted mode after e.g. daily save or later initiated from System console. Use function F10 to restart from command PCSNETA.**

## **Automation of important tasks with ADDJOBSCDE**

Call command **CHGPCS**, use option **03** to call the maintenance program for working with job scheduler entries. **ADDJOBSCDE** and **WRKJOBSCDE** are possible.

**Option 10:** Automatic conversion of log data daily. Use command **CVTPCSLOG** in order to

automatically convert logged access data into access authorities, e.g. Once a day. That way you will receive an actual status about your system automatically

**Option 11:** Print disk space utilization once a week via command **PRTSPC**. That way you will receive a weekly overview about the disk utilization of **PCSACC/400**.

**Option 12:** Adopt user profile descriptions daily via command **GETUSRTXT**.

**Option 13:** Remove deleted user profiles daily from **PCSACC/400** via command **CHKUSRPRF**.

**Option 14:** Deletion of log entries during normal operations. Command **CLRPCSLOG** should be run prior to an IPL. Deletion should not be activated in command **RGZPCS**.

### Adjustments: Adjust important system values

In **CHGPCS** call program for **PCSACC/400** system values via **option 02**.

You *should* adjust the following system values:

On **Page 1** the system values for: **Sending of messages, JOBQ, OUTQ, \*HOLD** and **Print format**.

On **Page 2 and 3** the system values for: **Assignment of Application authorities**, for **IFS accesses** and for **Anonymous accesses**. Other system values if required.

In **V4R1**, important new system values exist.

### Size of log files

As all users are activated in test mode and logged data are converted into access authorities daily via command **CVTPCSLOG**, log files remain very small. **Rejected accesses of active users are not converted by command CVTPCSLOG!** Storage space of deleted records will be reused.

### Reorganization

Command **RGZMASTER** should be included at the beginning of **QSTRUP Program**. Command **RGZPCS** will be executed by command **RGZMASTER**. Structure of command **RGZPCS** can be changed via **CHGPCS** and option **50**. Command **RGZSET (\*RUN, \*BYPASS or \*NEXTRUN)** can be used to control execution of reorganization command **RGZPCS**.

The command stored in data area **QPCS/RGZPCS** should be like following:

**RGZPCS CLRPFM(\*NO) CLRFROM(00) TYPE(\*ALL)**

if **RGZMASTER** runs in **STRUP** program, in order to avoid time problems at IPL. If the command is being executed at power down, all parameters can be used without problems. The data area **QPCS/RGZPCS** can be changed in command **CHGPCS** with **option 50**.

### Register in PCSACC/400 as administrator (USRPRF QSECOFR or QPCS only)

If you are using command **CHGPCS** as user **QSECOFR** or **QPCS** up to now, call command **ADDPCSOWN** and enter the name of your user profile. You are now administrator of **PCSACC/400**. If you belong to class **\*SECOFR** and you can now perform all tasks.

### Save library

Library **QPCS** will not be saved when performing save of all user libraries (**SAVLIB \*ALLUSR**). It has to be added to the save procedure separately.

### **Problem: some user profiles cannot be controlled by PCSACC/400**

If user profiles exist whose activities do not appear in **PCSACC/400** and new user profiles are working correctly, then old user profiles from OS/400 V2 are being used. Please delete these old user profiles and create new profiles (own authorities can be stored with an intermediate user profile). This is the only possible way to solve that problem and is recommended by Rochester.

### **Defect/non-defect support**

Should you have any problems or questions, please send a fax to: **Busch & Partners 0049 (0) 4163 812828** or a E-mail to **Busch@pcsacc400.de** describing your problem or question.

In urgent cases you may directly call **0049 (0) 4163 811771 R. Busch** at Busch & Partners.

In case nobody can be reached, you may call cellphone number **0049 (0) 171 222 8689** with an mail box.

### **Ending of test period** (only test versions with time limitations)

The interface programs **can** be deactivated by using command **PCSNETA**.

After expiration of test period the command **CHGPCS** can no longer be used. The interface programs will terminate controlling, log records will no longer be created and all users can proceed operations without any limitations. An error message will be sent to **QSYSOPR** once a day.

**Caution: Sub exit programs will no longer be supported.**