

## Custom Mini SAP Installation

The following guide can help you install Mini SAP 4.6D manually. That is, you can specify the SAP Identifier (<SID>) you want, the directory where you want to install Mini SAP and basically control the installation. Here you will also learn that you can set up multiple instances of Mini SAP on the same machine as long as you have the appropriate hardware (enough disk space and RAM >= 256MB).

To illustrate the custom installation the <SID> RDV will be used through the guide.

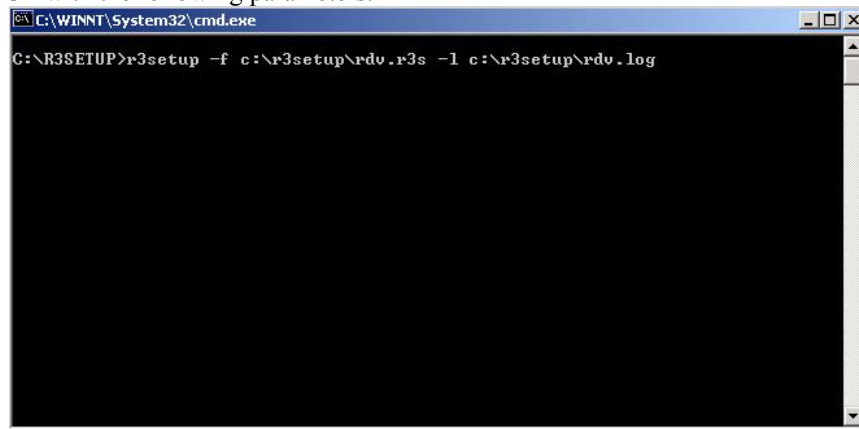
Here are the steps:

1. Copy the "R3SETUP" folder from the CD to your local drive.
2. Remove the "read-only" attribute on the template file MBS.R3S. Then, rename it to the new <SID>.  
Example: ren MBS.R3S RDV.R3S
3. Use Notepad or SAPpad and edit the installation template file (e.g. RDV.R3S).  
Change the following statements:

MBS_DIR=C:\RDV	Found under [MBS_PARAMETERS]
DB_SID=RDV	Found under [DBCOMMONDBENV_IND_MSS]
SAPSYSTEMNAME=RDV	Found under [CENTRDBINSTANCE_NT_IND]
sp_attach_db 'RDV', '@MBS_DIR ...	Found under [ATTACHDBLIST]
DESCRIPTION=Start SAP RDV	Found under [PISTARTMBS]
MENUPATH=Mini SAP Basis (RDV)	Found under [PISTARTMBSGROUP]
10_DESCRIPTION=Start SAP RDV	Found under [PISTARTMBSGROUPLIST]
30_DESCRIPTION=Uninstall SAP RDV	
MSSQL_DBNAME=RDV	Found under [LIC_ENV]
SERVICENAME=sapmsRDV	Found under [R3MESSAGEPORT_IND_IND]

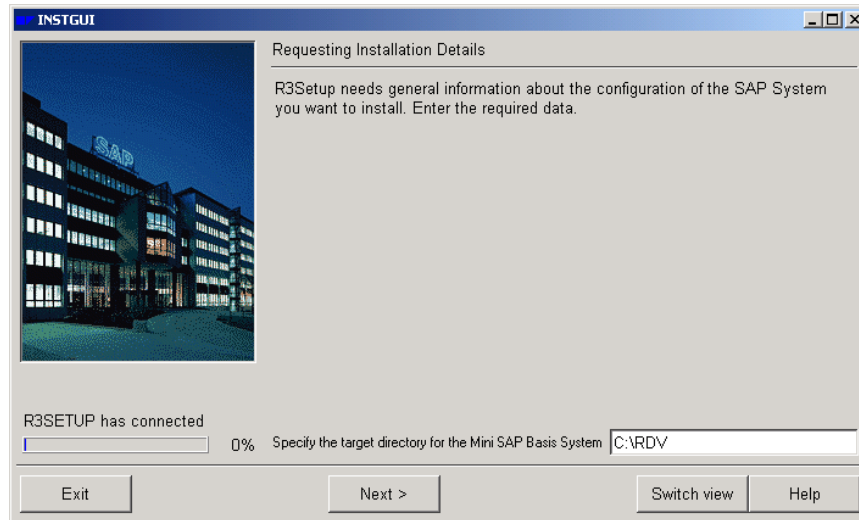
Optionally, you can tweak the memory settings for the Database and for R/3 (PERCENT\_FOR\_DB and PERCENT\_FOR\_R3 respectively –both found under [CALCRAM\_NT\_MSS]).

4. Run R3SETUP with the following parameters:

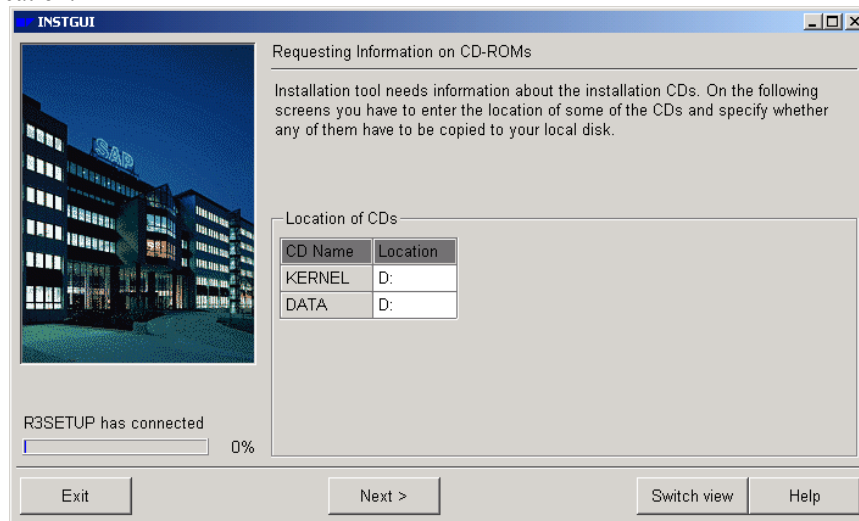


```
C:\WINNT\System32\cmd.exe
C:\R3SETUP>r3setup -f c:\r3setup\rdv.r3s -l c:\r3setup\rdv.log
```

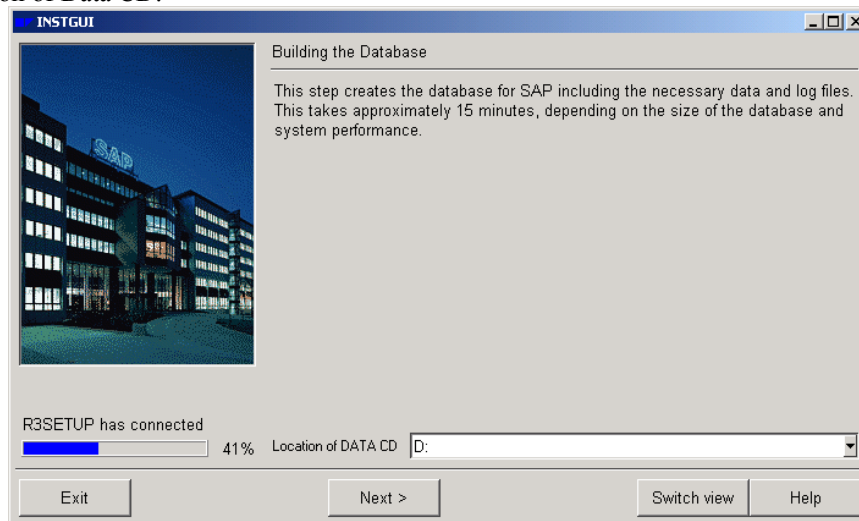
5. Enter location where you want to install Mini SAP:



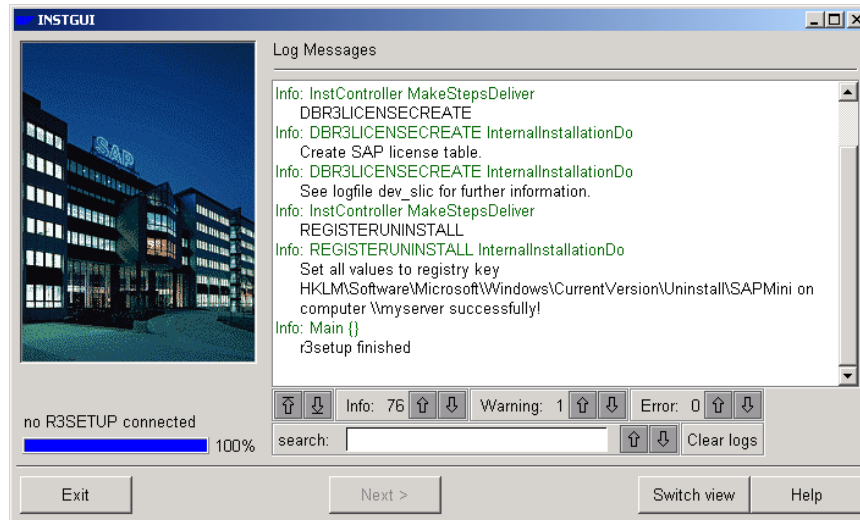
6. Enter CD location:



7. Enter location of Data CD:

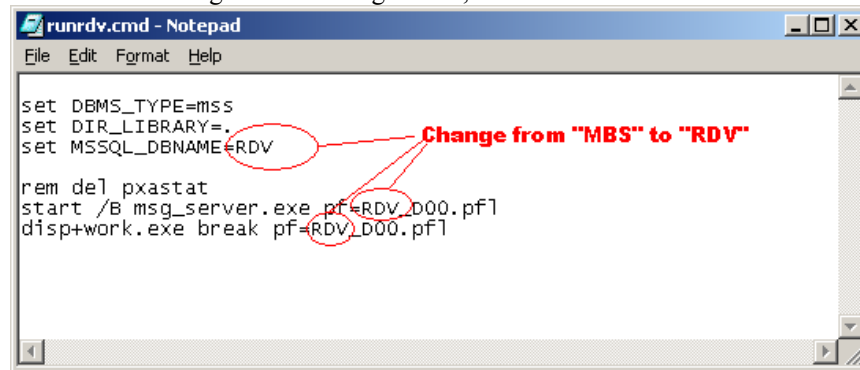


8. Click on Exit when finished:

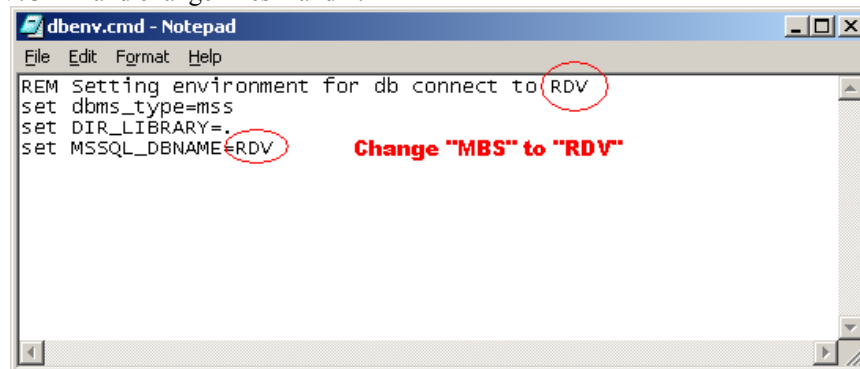


9. Rename RUNMBS.CMD to RUNRDV.CMD

10. Edit RUNRDV.CMD and change the following lines 4, 7 and 8:

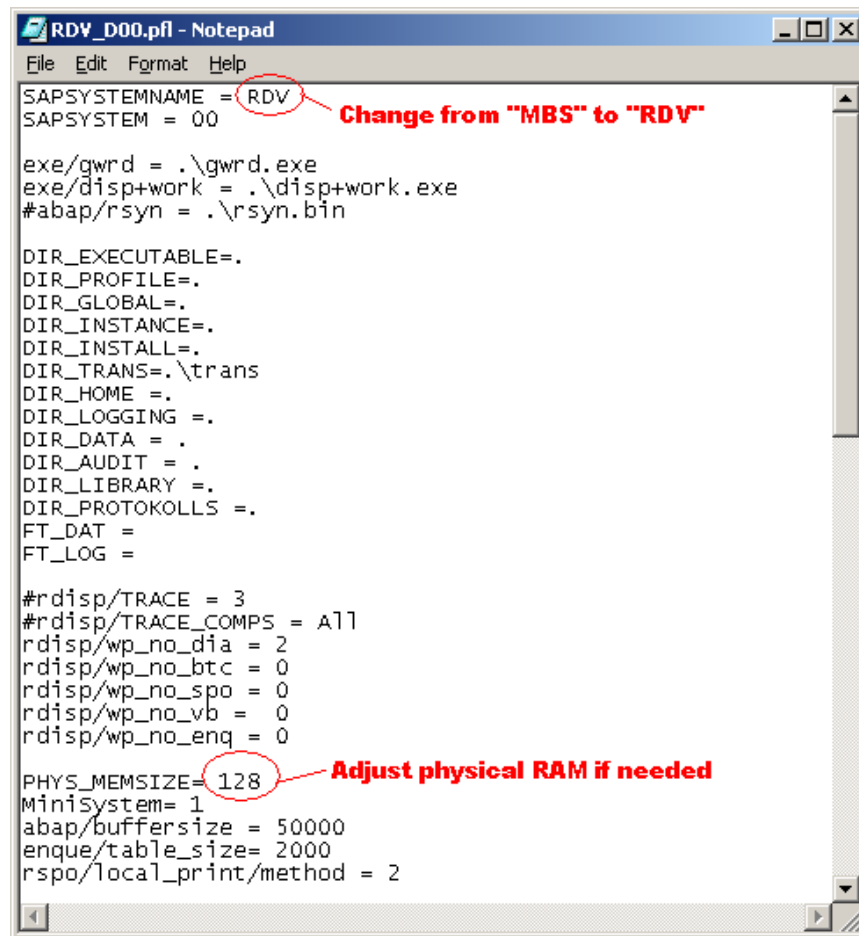


11. Edit DBENV.CMD and change lines 1 and 4:



12. Rename MBS\_D00.PFL to RDV\_D00.PFL

13. Edit RDV\_D00.PFL and change line 1:



```
RDV_D00.pfl - Notepad
File Edit Format Help
SAPSYSTEMNAME = RDV
SAPSYSTEM = 00
exe/gwrd = .\gwrd.exe
exe/disp+work = .\disp+work.exe
#abap/rsyn = .\rsyn.bin

DIR_EXECUTABLE=.
DIR_PROFILE=.
DIR_GLOBAL=.
DIR_INSTANCE=.
DIR_INSTALL=.
DIR_TRANS=. \trans
DIR_HOME =.
DIR_LOGGING =.
DIR_DATA =.
DIR_AUDIT =.
DIR_LIBRARY =.
DIR_PROTOKOLLS =.
FT_DAT =
FT_LOG =

#rdisp/TRACE = 3
#rdisp/TRACE_COMPS = All
rdisp/wp_no_dia = 2
rdisp/wp_no_btc = 0
rdisp/wp_no_spo = 0
rdisp/wp_no_vb = 0
rdisp/wp_no_enq = 0

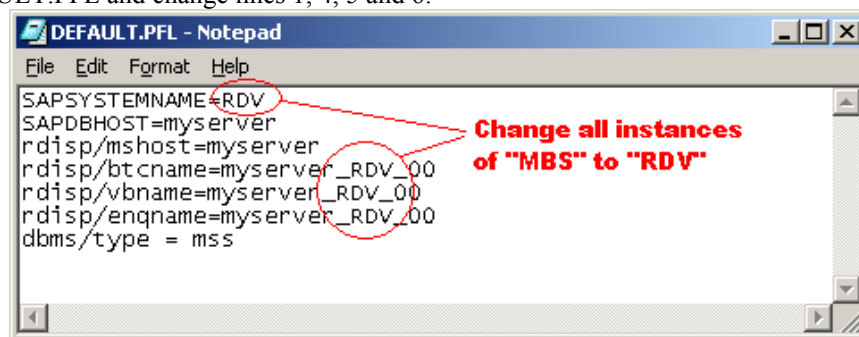
PHYS_MEMSIZE= 128
Minisystem= 1
abap/buffersize = 50000
enqueue/table_size= 2000
rspo/local_print/method = 2
```

Change from "MBS" to "RDV"

Adjust physical RAM if needed

Optionally, you can change the Physical Memory allocation.  
The default value is:  
PHYS\_MEMSIZE = 64

14. Edit DEFAULT.PFL and change lines 1, 4, 5 and 6:

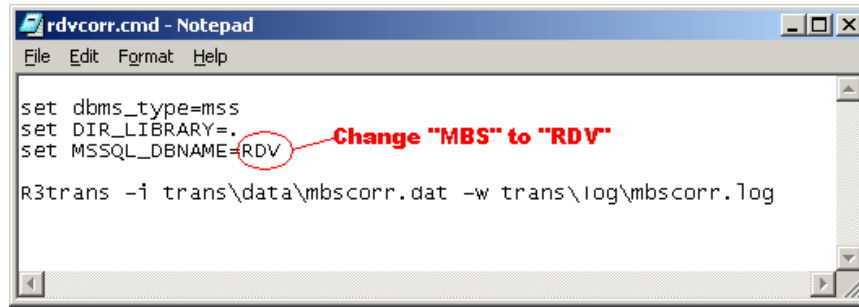


```
DEFAULT.PFL - Notepad
File Edit Format Help
SAPSYSTEMNAME=RDV
SAPDBHOST=myserver
rdisp/mshost=myserver
rdisp/btname=myserver_RDV_00
rdisp/vbname=myserver_RDV_00
rdisp/enqname=myserver_RDV_00
dbms/type = mss
```

Change all instances of "MBS" to "RDV"

15. Rename MBSCORR.CMD to RDVCORR.CMD

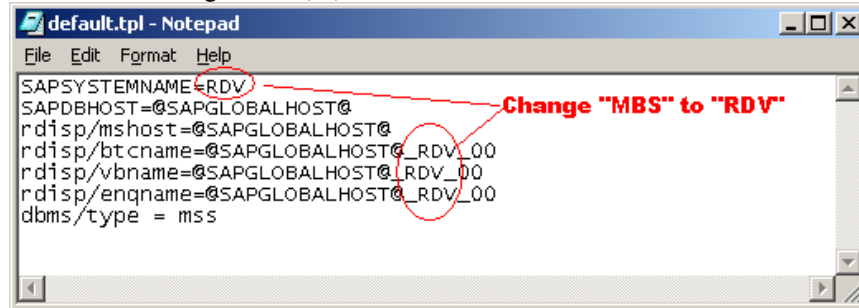
16. Edit RDVCORR.CMD and change line 4:



```
rdvcorr.cmd - Notepad
File Edit Format Help

set dbms_type=mss
set DIR_LIBRARY=.
set MSSQL_DBNAME=RDV
R3trans -i trans\data\mbscorr.dat -w trans\log\mbscorr.log
```

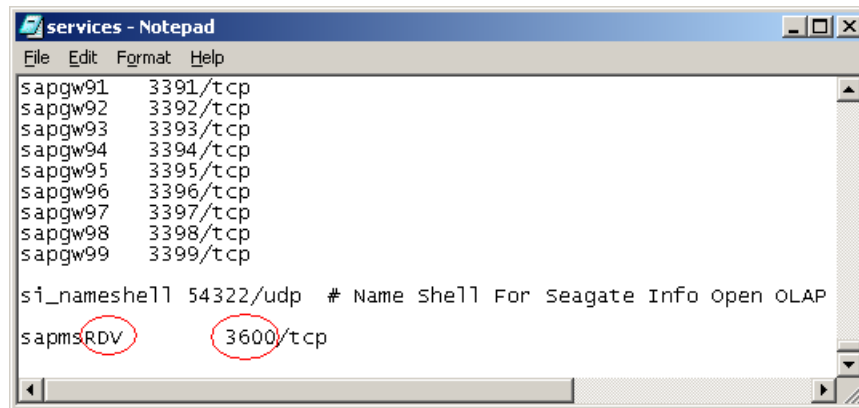
17. Edit DEFAULT.TPL and change lines 1, 4, 5 and 6:



```
default.tpl - Notepad
File Edit Format Help

SAPSYSTEMNAME=RDV
SAPDBHOST=@SAPGLOBALHOST@
rdisp/mshost=@SAPGLOBALHOST@
rdisp/btname=@SAPGLOBALHOST@_RDV_00
rdisp/vbname=@SAPGLOBALHOST@_RDV_00
rdisp/enqname=@SAPGLOBALHOST@_RDV_00
dbms/type = mss
```

18. Edit the SERVICES files under %systemroot%\system32\drivers\etc and make sure that TCP port 3600 is there:



```
services - Notepad
File Edit Format Help

sapgw91 3391/tcp
sapgw92 3392/tcp
sapgw93 3393/tcp
sapgw94 3394/tcp
sapgw95 3395/tcp
sapgw96 3396/tcp
sapgw97 3397/tcp
sapgw98 3398/tcp
sapgw99 3399/tcp

si_nameshell 54322/udp # Name Shell For Seagate Info open OLAP

sapmsRDV 3600/tcp
```

## Installing a 2<sup>nd</sup> Instance of Mini SAP on the same machine

Basically you need to repeat all the steps above using a new <SID>.

However, you need to change the instance number for the second system to 01. The file to edit is <SID>\_D00.PFL (line 2, SAPSYSTEM=01).

Also, make sure that the “services” file under %systemroot%\system32\drivers\etc contains the appropriate TCP port for the new instance.

Example:

sapmsRPR 3600/tcp

Finally, do not forget to set the appropriate instance number in SAPLogon when creating an entry for the 2<sup>nd</sup> instance.

Example:

The screenshot shows a 'New Entry' dialog box. The 'Description' field contains 'RPR Mini SAP'. The 'Application Server' field contains 'myserver'. The 'SAP Router String' field is empty. The 'SAP System' section has two radio buttons: 'R/3' is selected, and 'R/2' is unselected. The 'System Number' field contains '01'. An 'Advanced...' button is located to the right of the 'System Number' field. At the bottom of the dialog are 'OK' and 'Cancel' buttons.