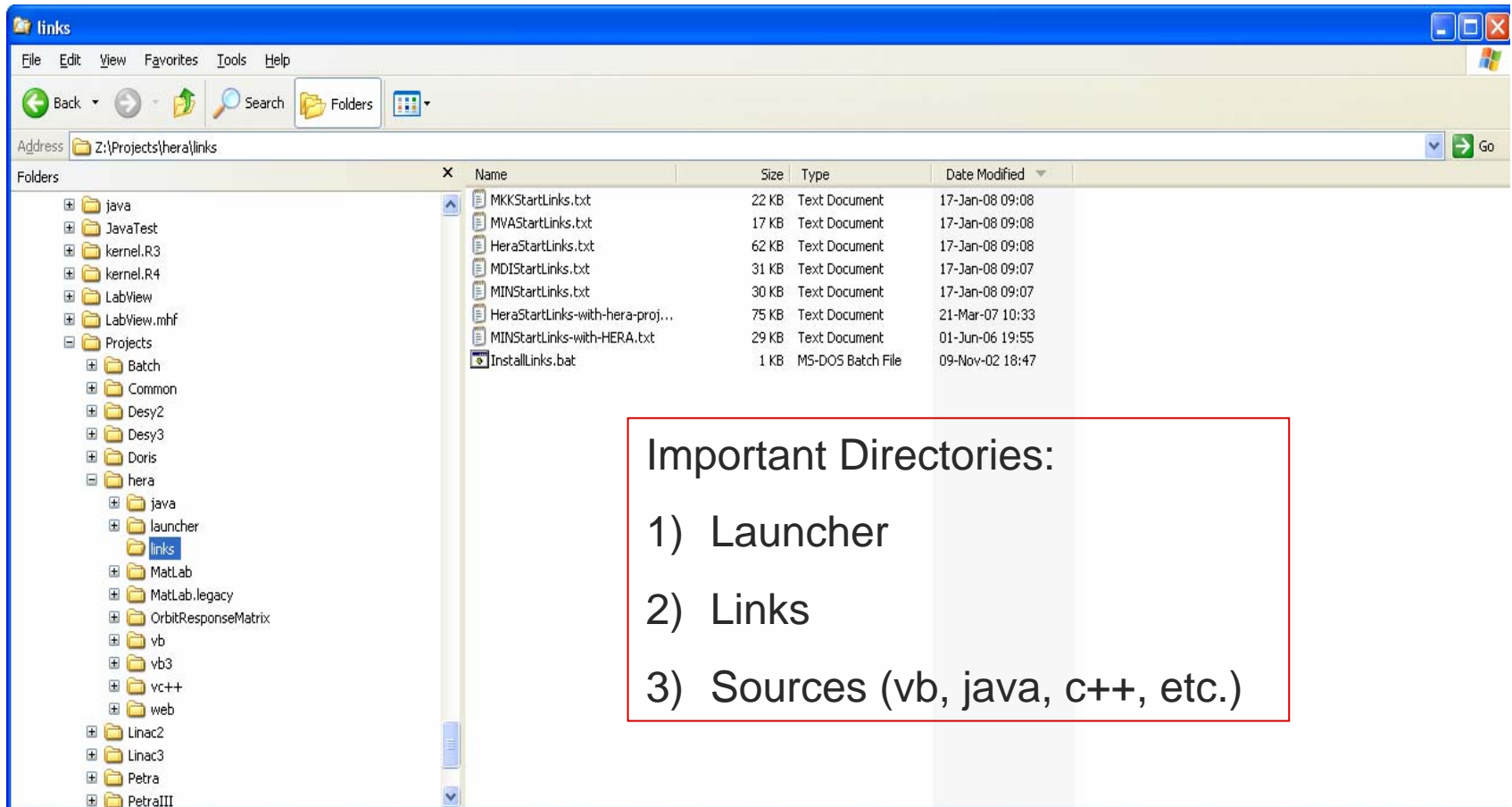# Installation and Deployment

Just run Setup?

- Windows:
  - Applications stored centrally (with regular backup)
  - Mirrored locally upon start
    - Start Link starts "launcher" + app command line
  - Avoid Single Point of Failure
- What we've been doing so far ....

Client Applications

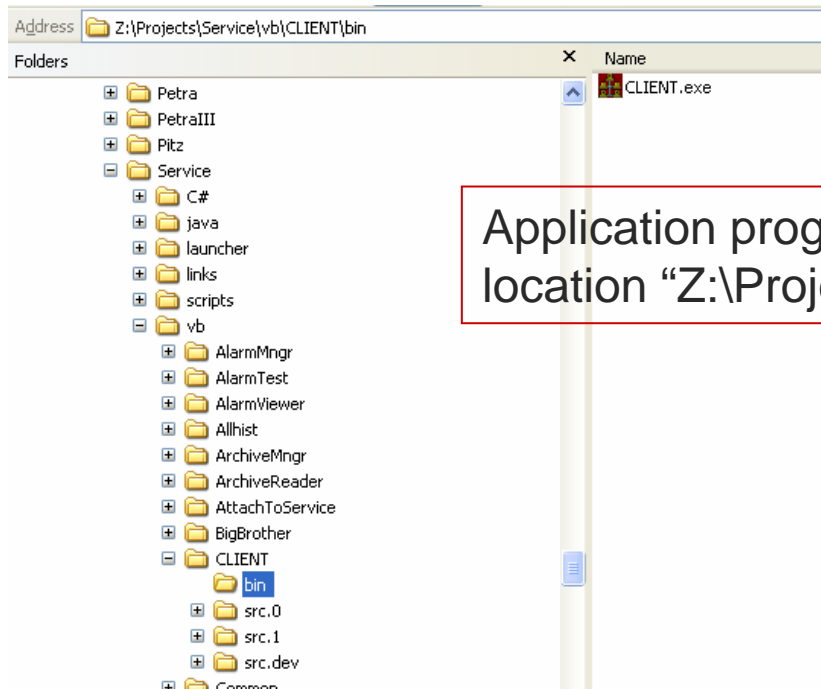**Client Applications can be started by anybody at any time !**

Important Directories:

1) Launcher

2) Links

3) Sources (vb, java, c++, etc.)

Client Applications

- Stored centrally
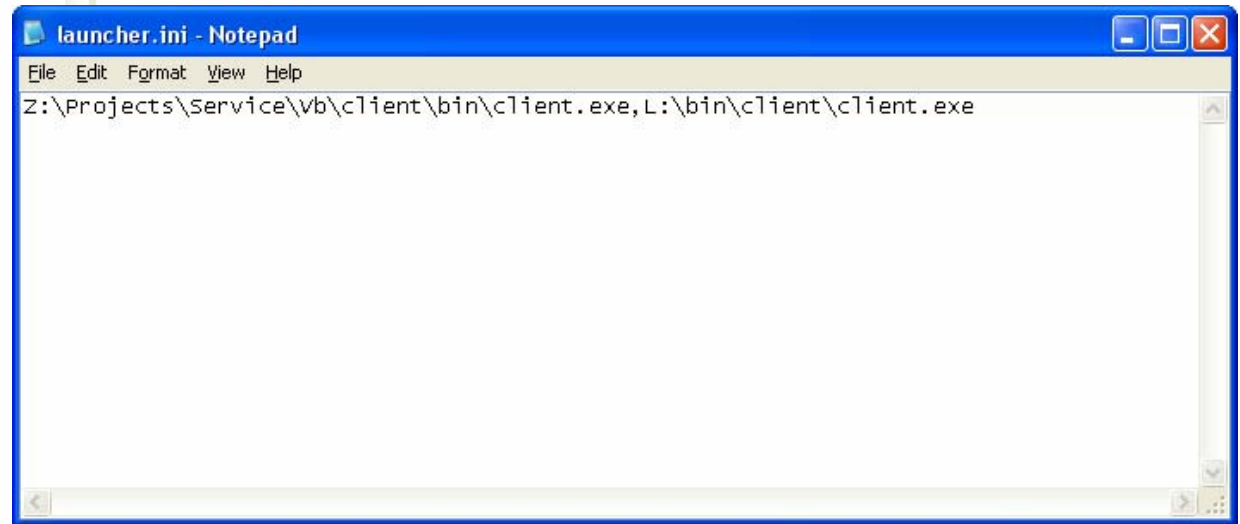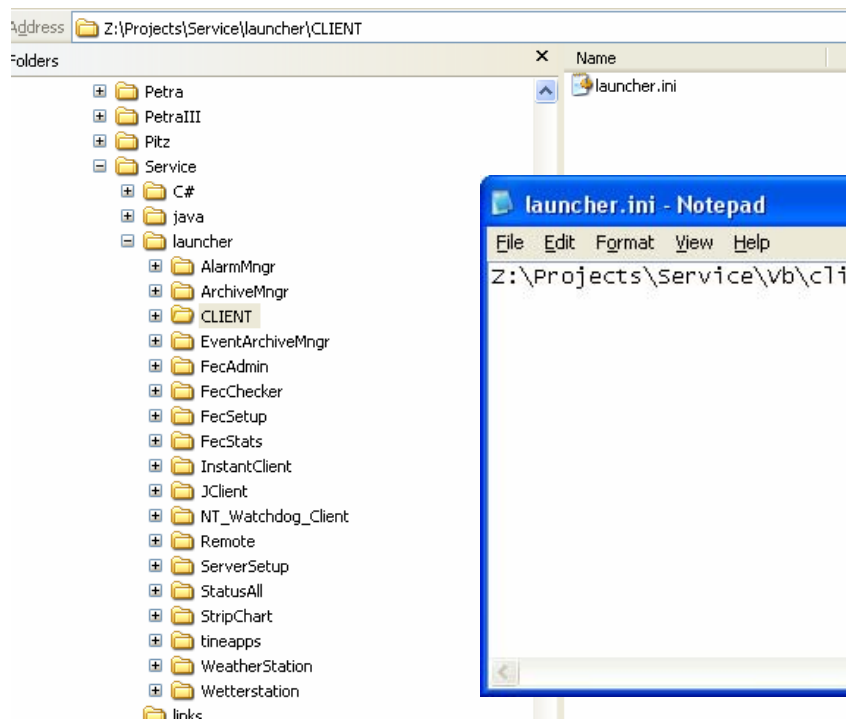- Copied locally at startup
- Run locally

Client Applications

Address: Z:\Projects\Service\vb\CLIENT\bin

Folders	Name
Petra	CLIENT.exe
PetraIII
Pitz
Service
C#
java
launcher
links
scripts
vb
AlarmMngr
AlarmTest
AlarmViewer
Allhist
ArchiveMngr
ArchiveReader
AttachToService
BigBrother
CLIENT
bin
src.0
src.1
src.dev
Common

Application program "Client.exe" stored at the central location "Z:\Projects\Service\vb\Client\bin"

Desktop link to "Instant Client" :

L:\system32\launcher.exe Z:\projects\Service\launcher\client\launcher.ini L:\bin\client\client.exe
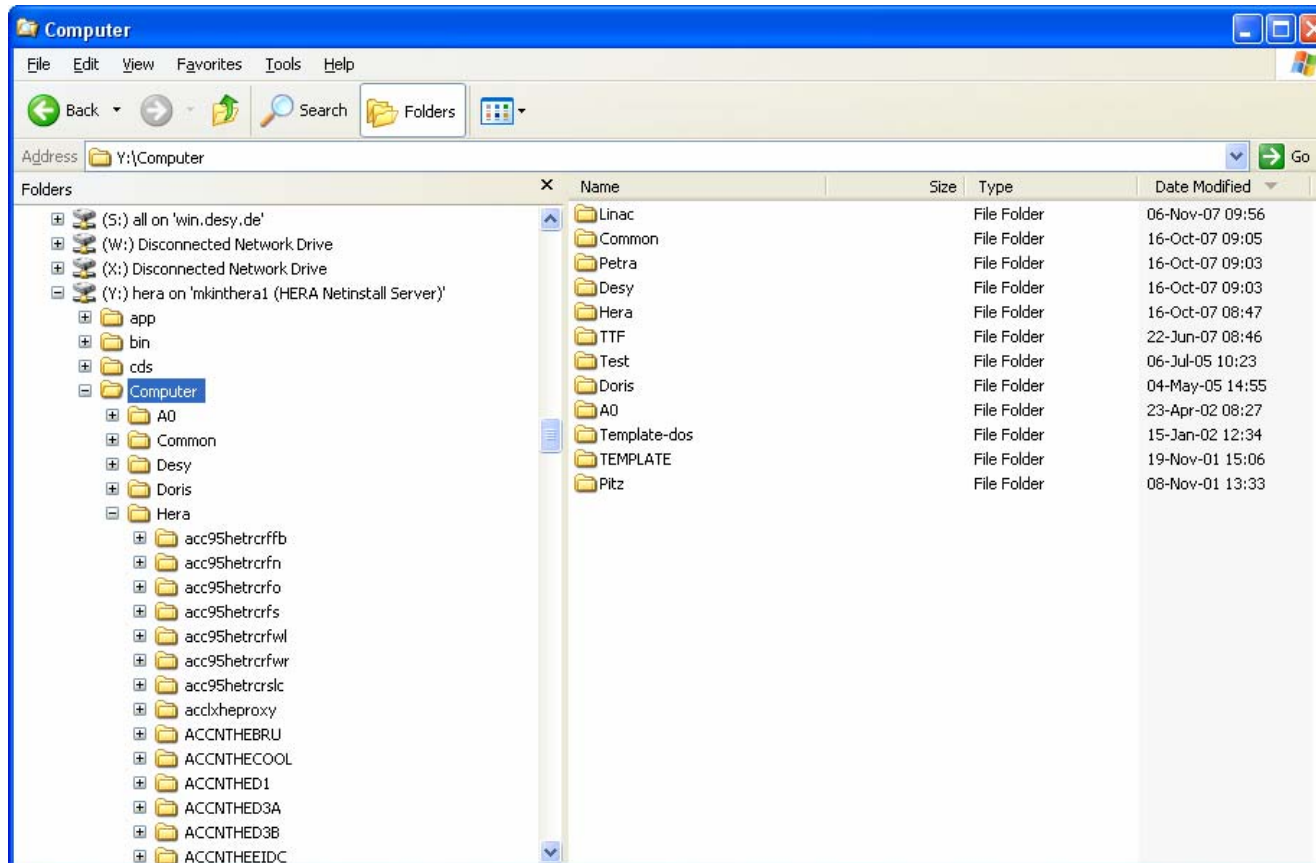
Client Applications

- Launcher.ini

Server Applications

- Servers run at a single location
- Are NOT started by anybody at any time!
- Managed by the control system and the server developer !
- Do need to allow operators to re-start servers remotely (but in a systematically controlled manner)!
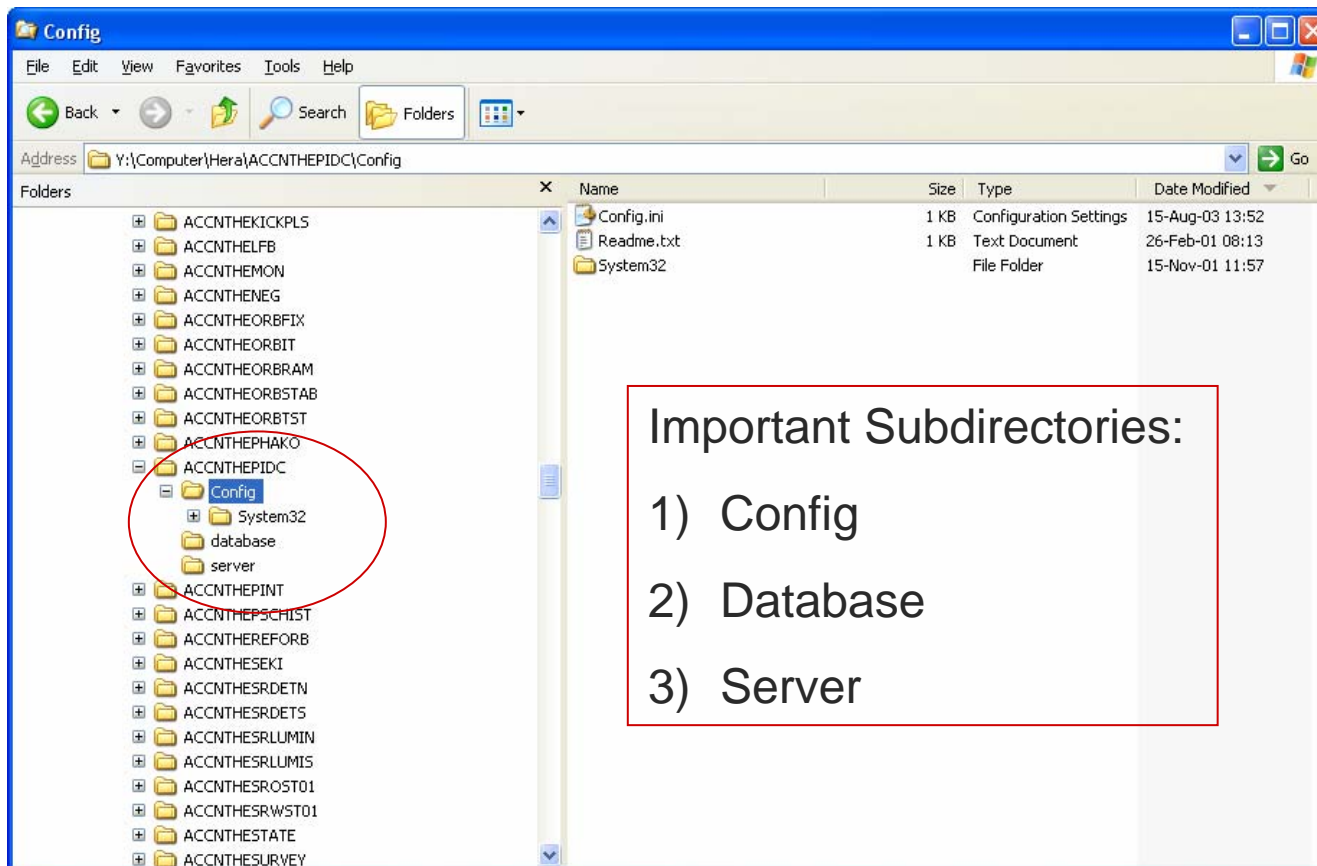
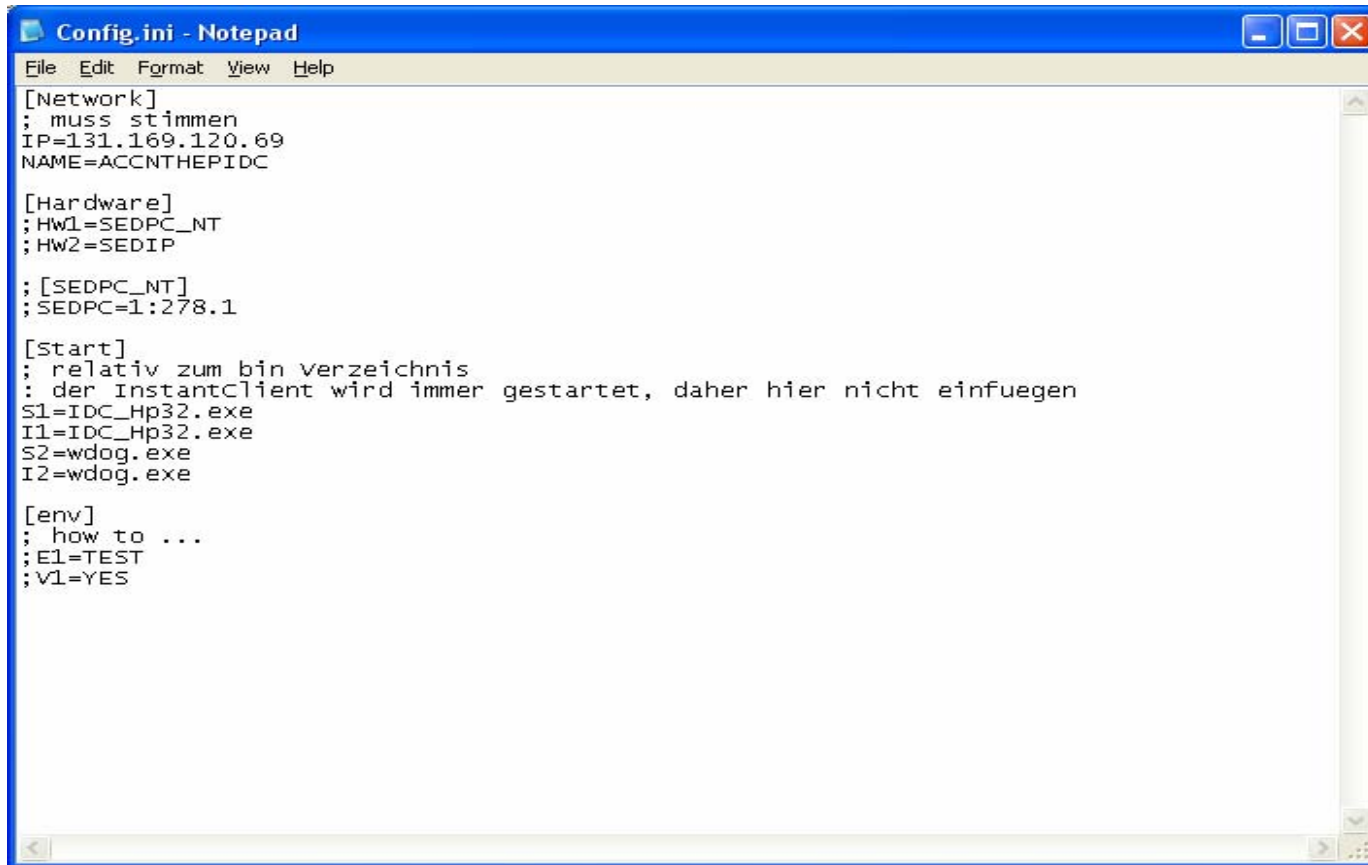# Server Applications

Host Computer oriented :

Server Applications

e.g. Windows Host :

Important Subdirectories:

1) Config

2) Database

3) Server

Server Applications

Windows (config.ini) :

```
[Network]
; muss stimmen
IP=131.169.120.69
NAME=ACCNTHEPIDC

[Hardware]
; HW1=SEDPC_NT
; HW2=SEDIP

; [SEDPC_NT]
; SEDPC=1:278.1

[Start]
; relativ zum bin verzeichnis
: der InstantClient wird immer gestartet, daher hier nicht einfuegen
S1=IDC_Hp32.exe
I1=IDC_Hp32.exe
S2=wdog.exe
I2=wdog.exe

[env]
; how to ...
;E1=TEST
;V1=YES
```
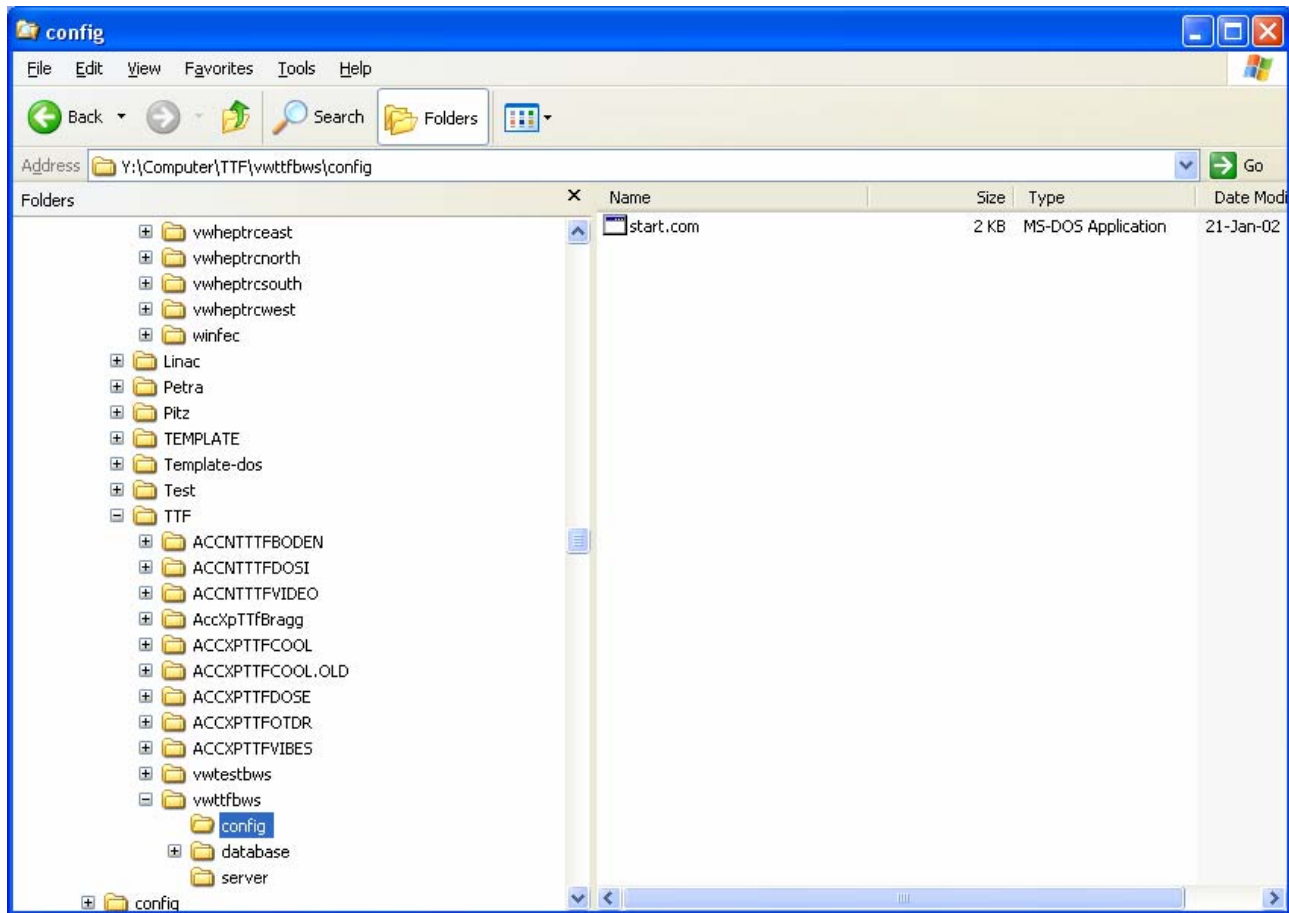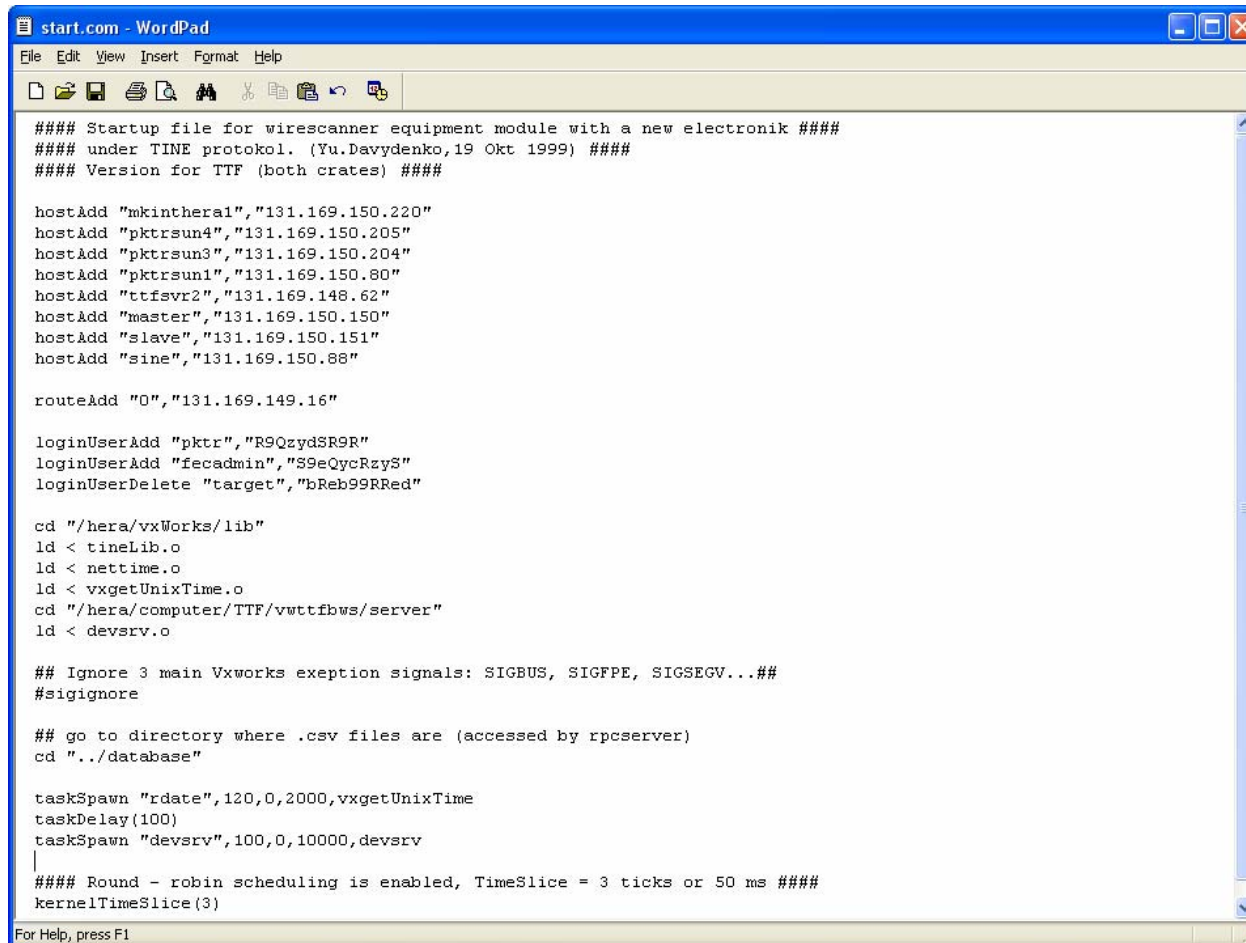
Server Applications

e.g. VxWorks Host :

Server Applications

VxWorks (start.com) :

```
#### Startup file for wirescanner equipment module with a new electronik ####
#### under TINE protokol. (Yu.Davydenko,19 Okt 1999) ####
#### Version for TTF (both crates) ####

hostAdd "mkinthera1","131.169.150.220"
hostAdd "pktrsun4","131.169.150.205"
hostAdd "pktrsun3","131.169.150.204"
hostAdd "pktrsun1","131.169.150.80"
hostAdd "ttfsvr2","131.169.148.62"
hostAdd "master","131.169.150.150"
hostAdd "slave","131.169.150.151"
hostAdd "sine","131.169.150.88"

routeAdd "0","131.169.149.16"

loginUserAdd "pktr","R9QzydSR9R"
loginUserAdd "fecadmin","S9eQycRzyS"
loginUserDelete "target","bReb99RRed"

cd "/hera/vxWorks/lib"
ld < tineLib.o
ld < nettime.o
ld < vxgetUnixTime.o
cd "/hera/computer/TTF/vwttfbws/server"
ld < devsrv.o

## Ignore 3 main Vxworks exeption signals: SIGBUS, SIGFPE, SIGSEGV...##
#sigignore

## go to directory where .csv files are (accessed by rpcserver)
cd "../database"

taskSpawn "rdate",120,0,2000,vxgetUnixTime
taskDelay(100)
taskSpawn "devsrv",100,0,10000,devsrv

#### Round - robin scheduling is enabled, TimeSlice = 3 ticks or 50 ms ####
kernelTimeSlice(3)
```
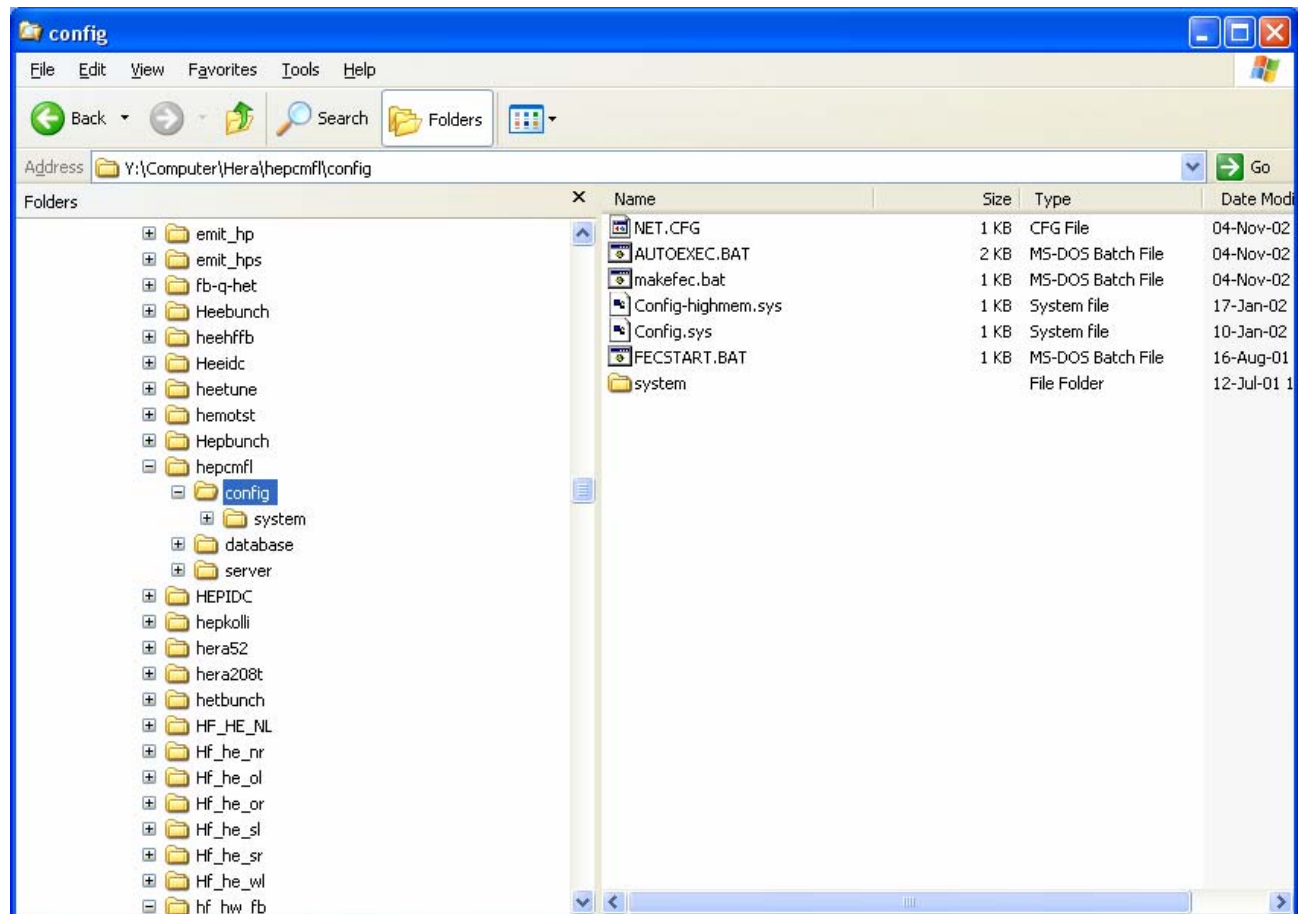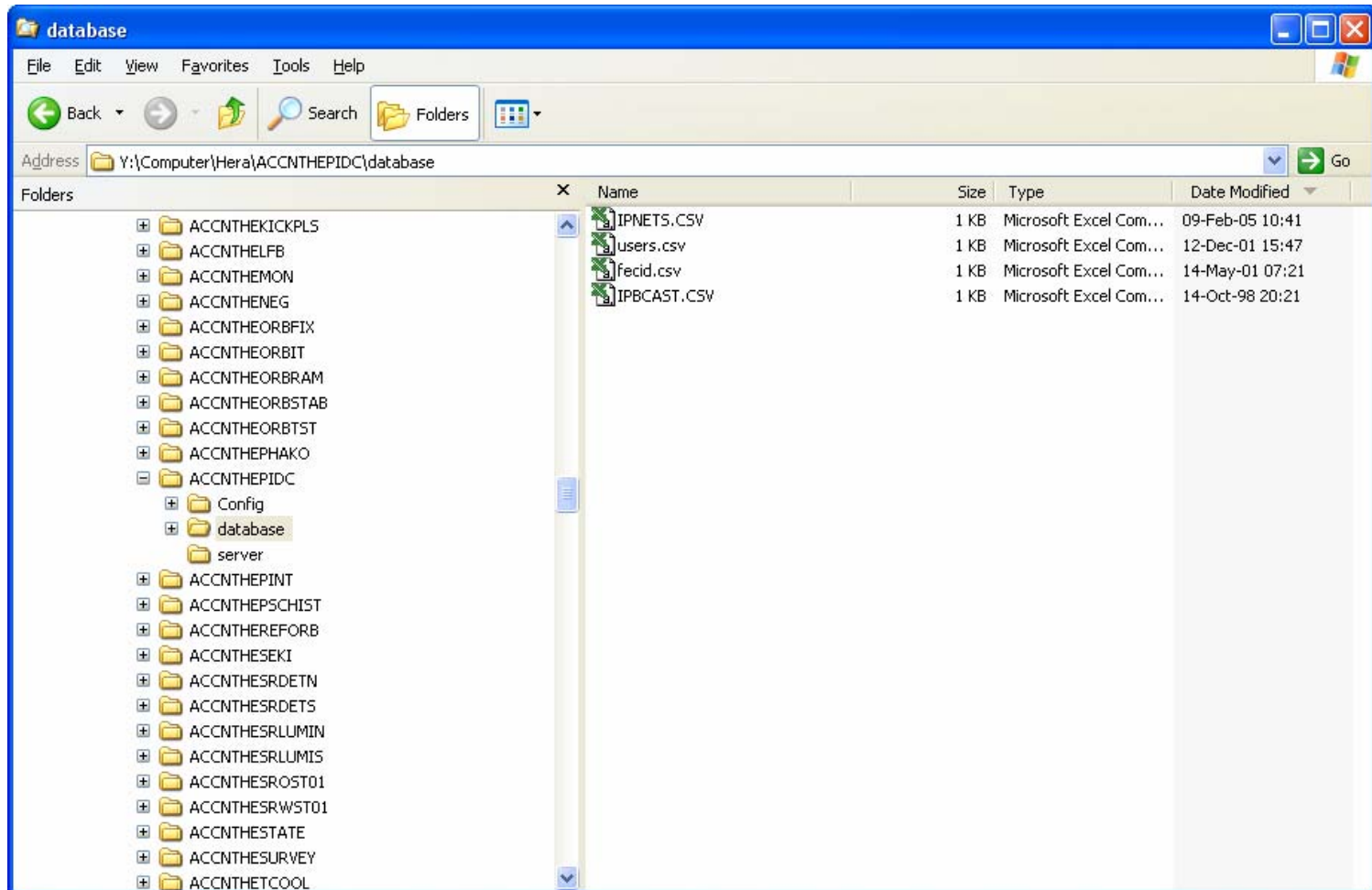
Server Applications
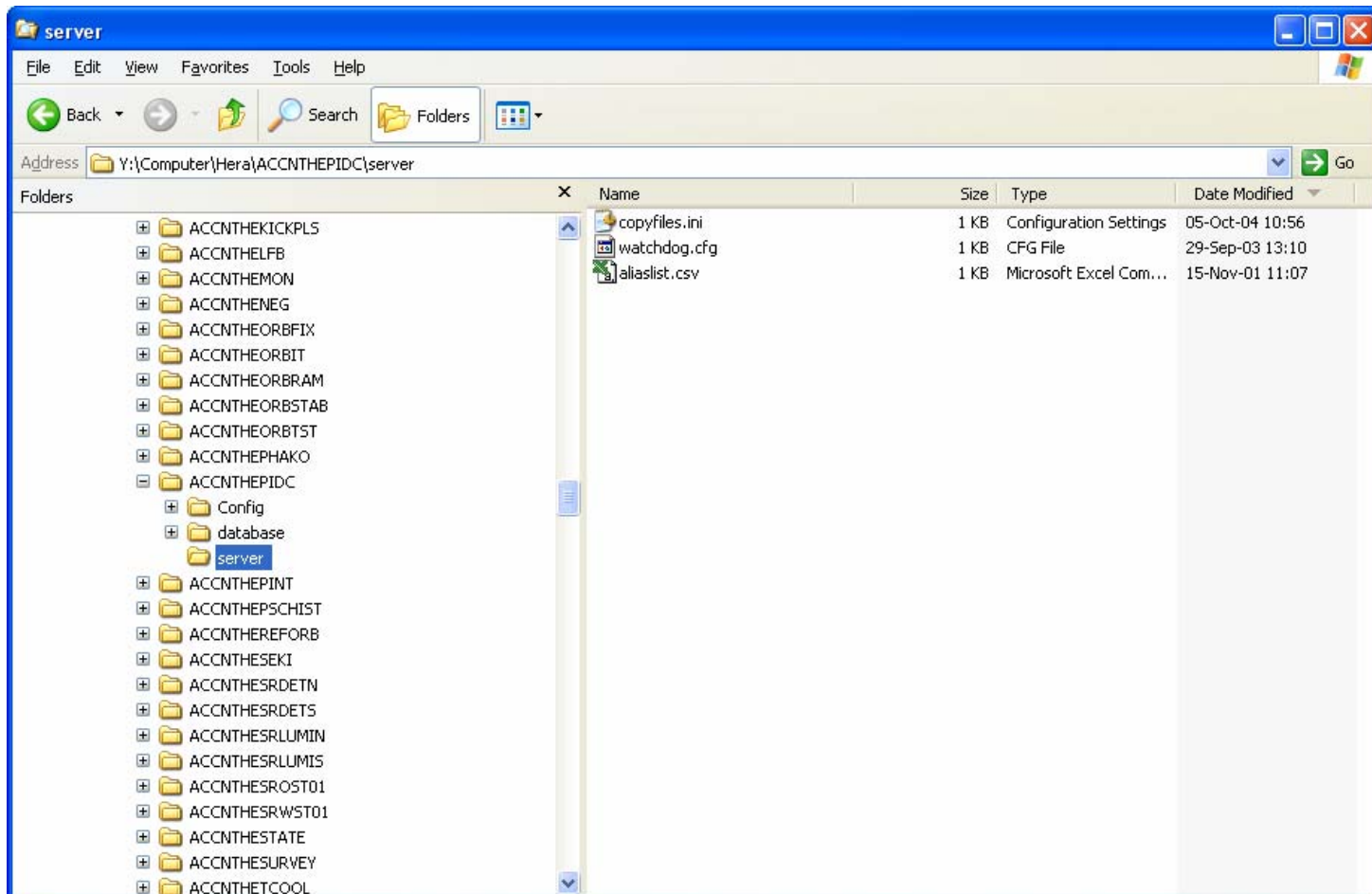
e.g. DOS Host :
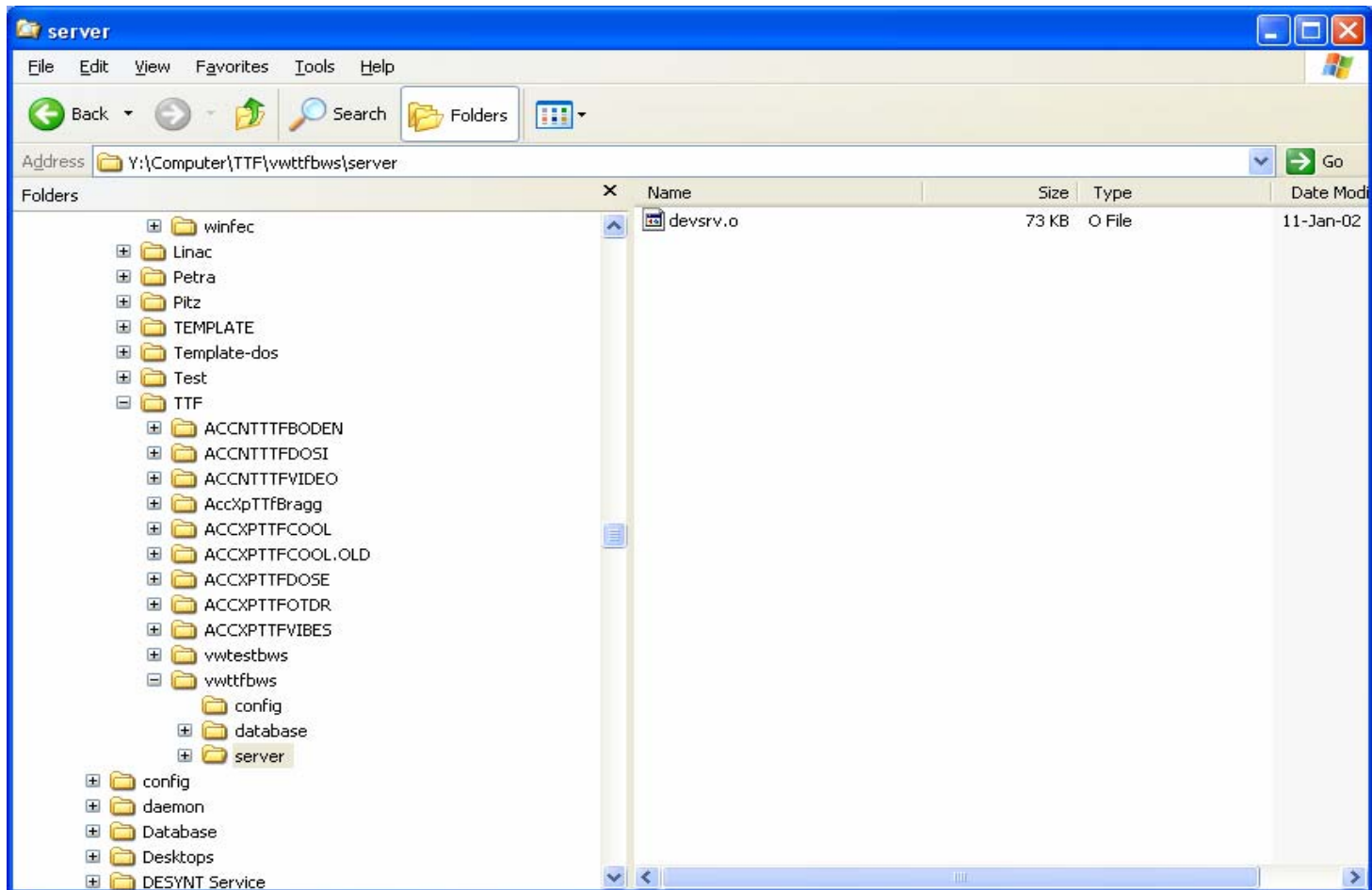
Server Applications

Server Applications

e.g. Windows Host (special file : copyfiles.ini)

Server Applications

e.g. Other Hosts : (e.g. VxWorks)

What's Next ?

- Central File Repository
  - (Steve – in 2 weeks)
- Java Web Start