Fitrix Windows Thin Client Installation
5.40

These instructions are to install the Fitrix Windows Thin Client onto each Windows PC that you will use Fitrix from.

You will install using the Fitrix Windows Thin Client Install Point. If you have not yet installed the install point, please locate the installation instructions for the install point and install it before continuing.

Fitrix Windows Thin Client - Installation

Introduction

If you have previously installed any Fitrix or Four J's software, shut down any existing FourJs Windows Front Ends () or Genero Desktop clients ().

For the purpose of this documentation, version '2.21.04' is used. Your version may be different. Make the appropriate substitutions. Name of installation: `fitrix`.

For administrators installing in a terminal services environment (Citrix, etc...) please note the **yellow areas**

1. **GDC (Genero Desktop Client) Installation onto your Windows PC**

   (Onto the Windows Server If this is a terminal services

   Change directories to the location of your Fitrix Windows Client Install Point, for example:

   ⊟ 🖥 My Computer → ⊟ 🌐 My Network Places →

   ⊟ 🖳 share on 10.0.0.99 → ⊟ 📂 Install → 📁 Fitrix Install Point 5.40.02

   Startup the installation program: 'fjs-gdc-x.xx.xx-buildxxxxxxx.exe'
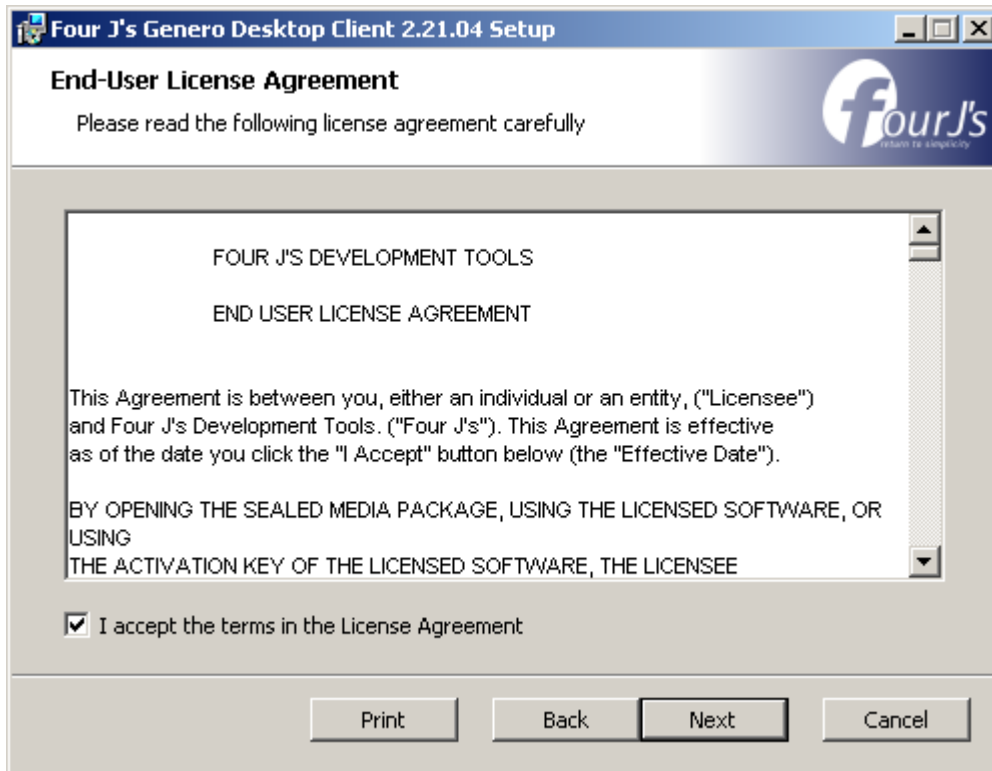
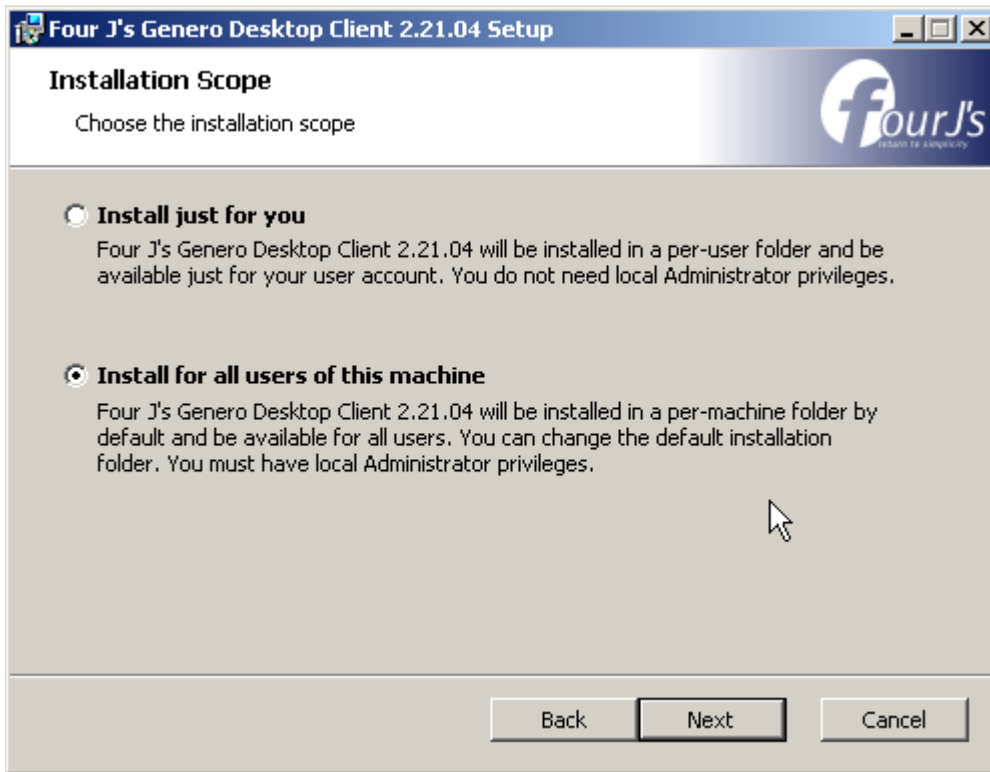 | Terminal Services Install |
   |---|
   | This step should be done on the Windows Server where Terminal Services is installed. |

   You will see:

Click ![Next >]
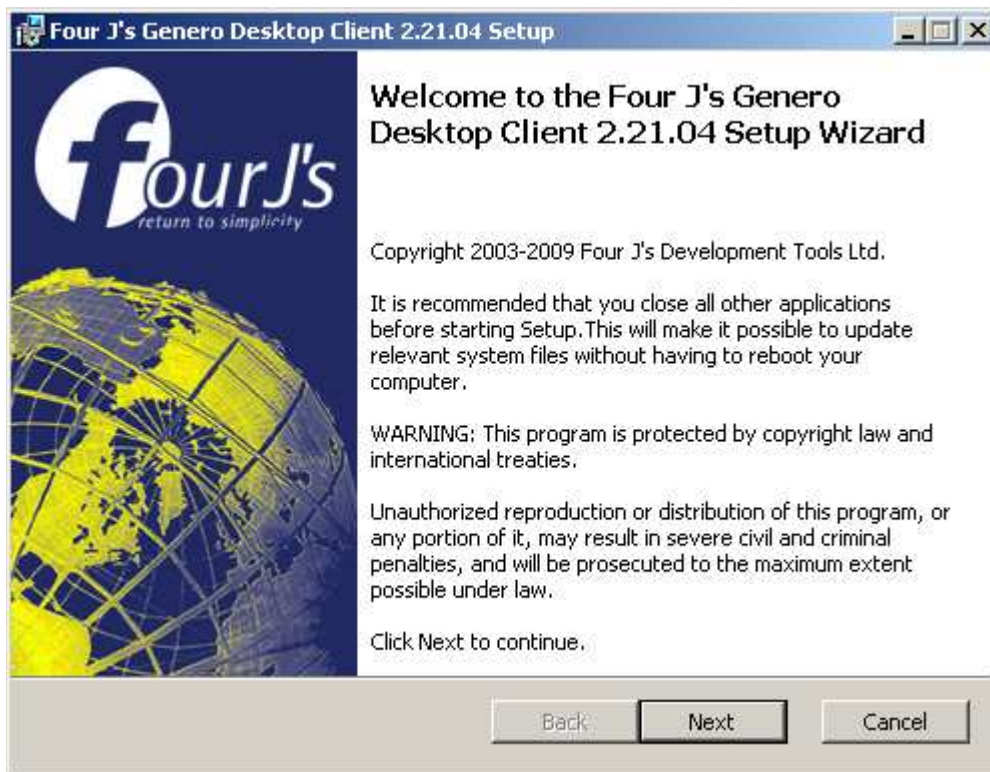
You will see:

Check: ☑ I accept the terms in the License Agreement
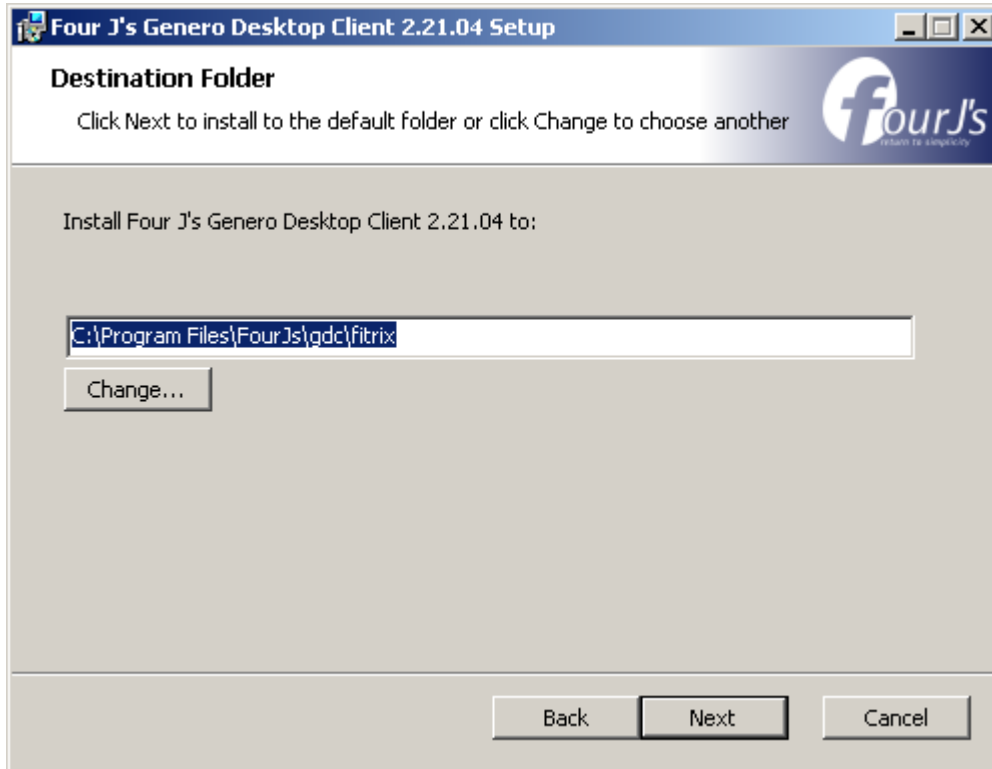
Click: Next >

You will see:
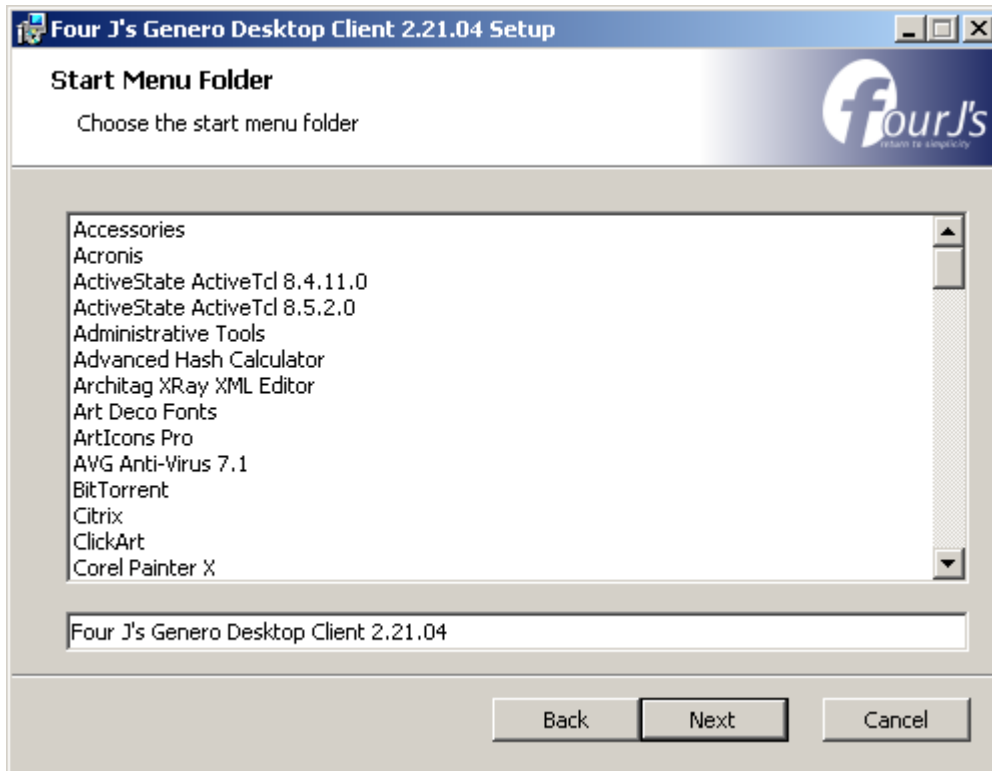

Select: **Install for all users of this machine** Click: Next >

Enter **'\fitrix'** after `'C:\Programs\FourJs\gdc'` so that it shows your destination folder as in the above screen example.

Click:

You will see:

Click: Next >

You will see:

Click: Next >

You will see:

Click:
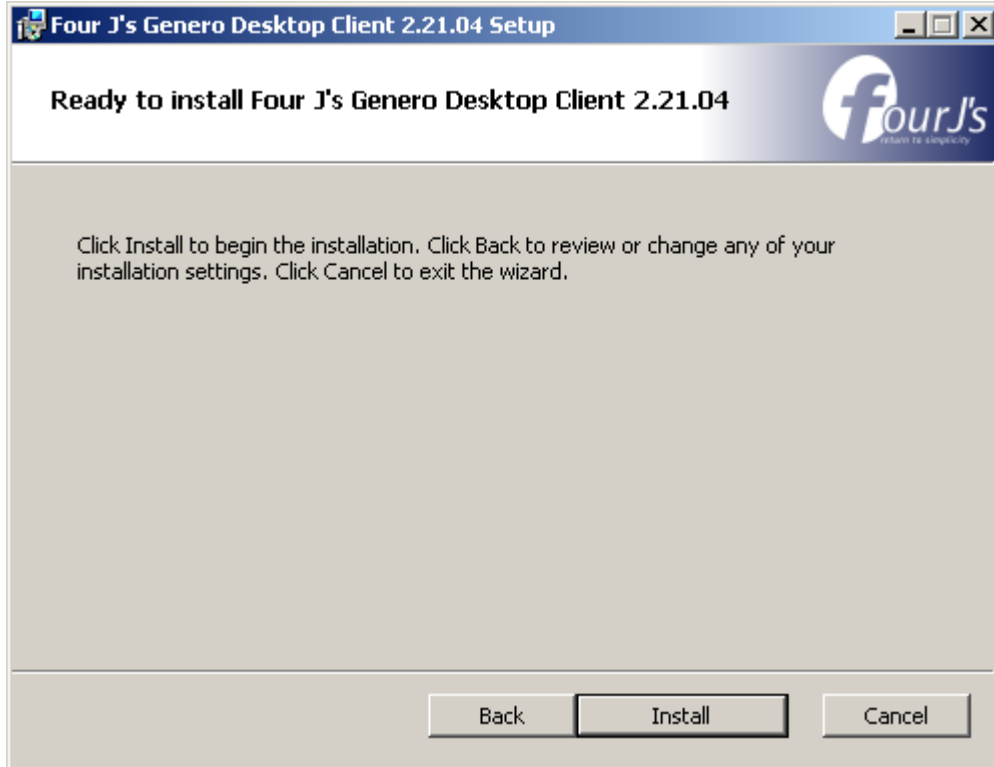
You will see:
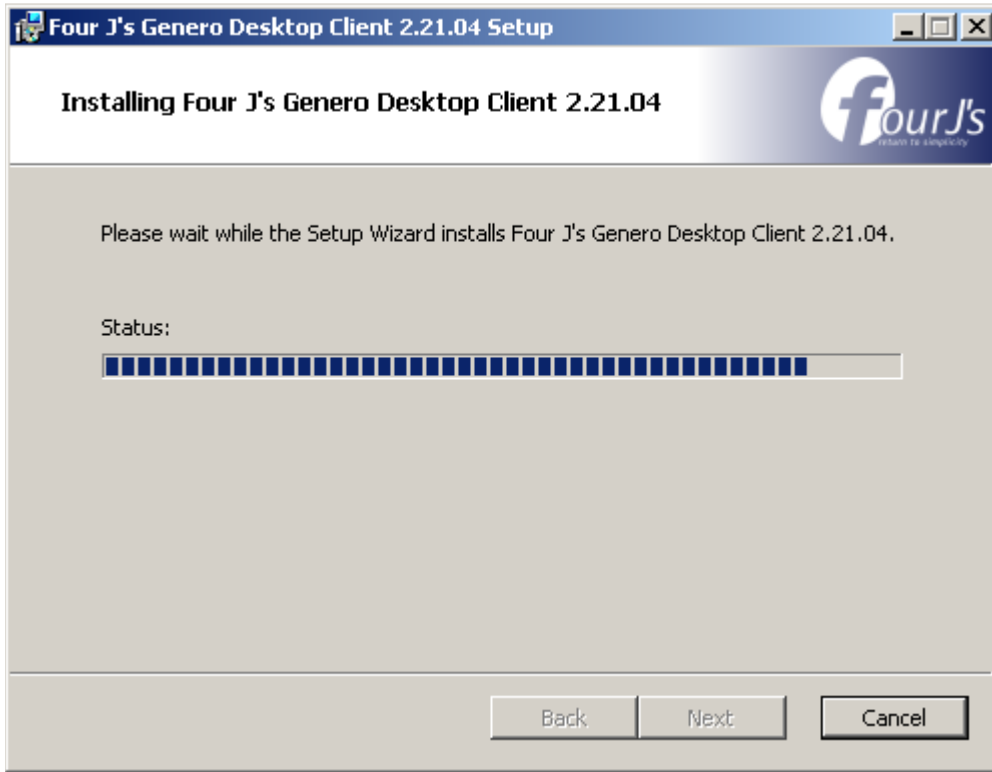
You will see:
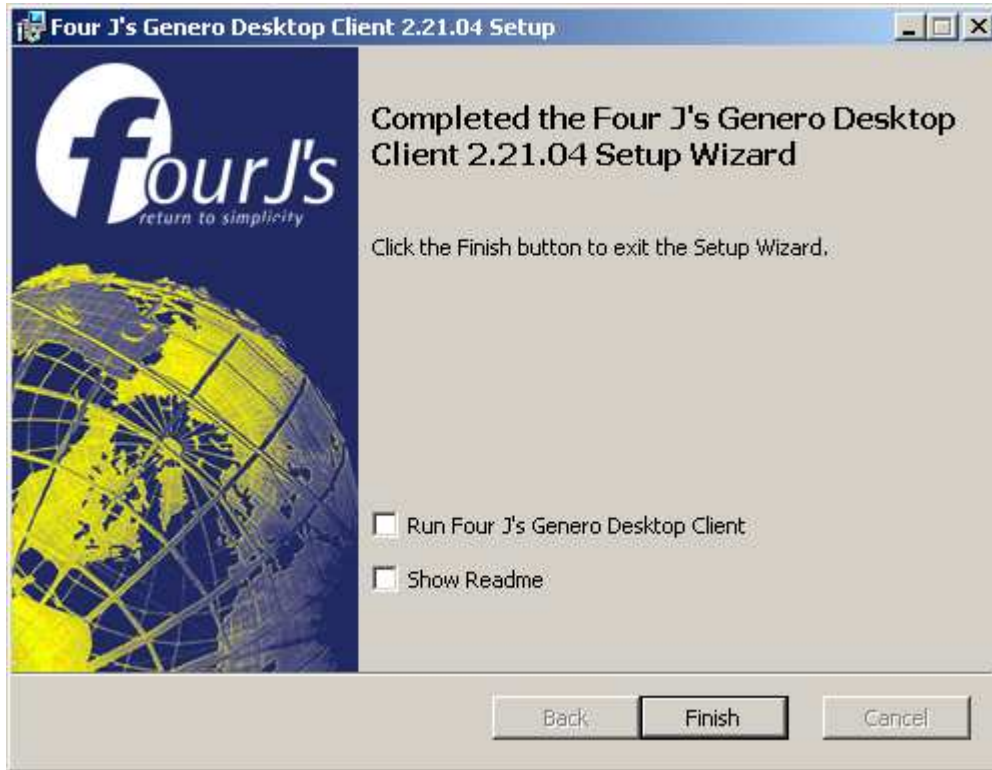
Uncheck:

Uncheck:

Click:

1. VM Installation onto your Windows PC
   ### (Onto the Windows Server If this is a terminal services installation)

Navigate to the location of your Fitrix install point, for example:

My Computer → My Network Places →
share on 10.0.0.99 → Install → Fitrix Install Point 5.40.02

Startup the installation program:
Click: vminstall.exe

You will see:
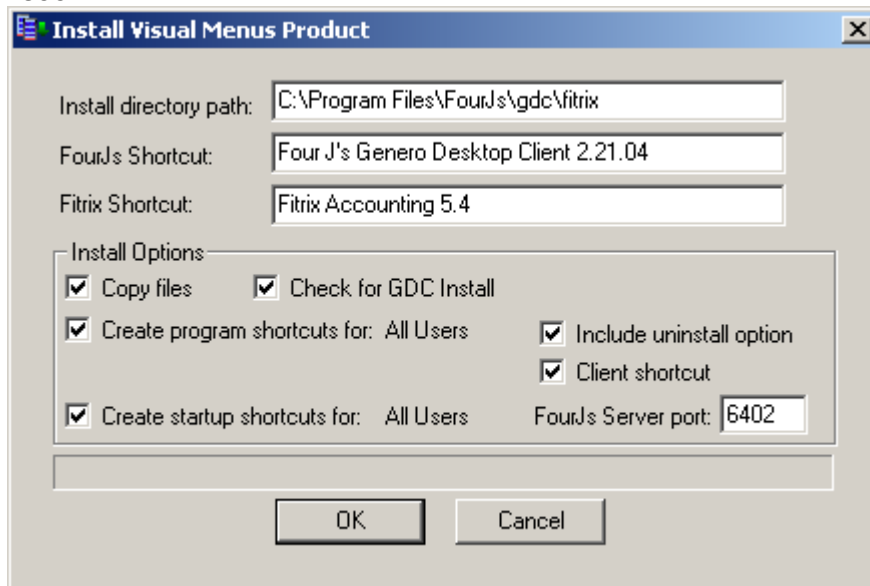
Fill in "Four J's Server Port: using your unique value reported at the end of your Fitrix server installation (usually '6402').
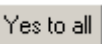
Click: OK
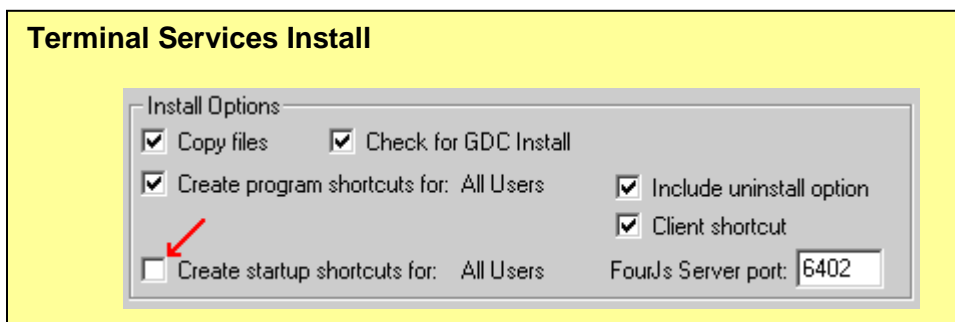
You will see files being copied: Copy: fgss_bin\mnconfig.exe ...

If you are reinstalling, you will see:

Overwrite

File: (bmp\eyedrop.cur) already exists. Overwrite ?

Yes | Yes to all | No | Cancel
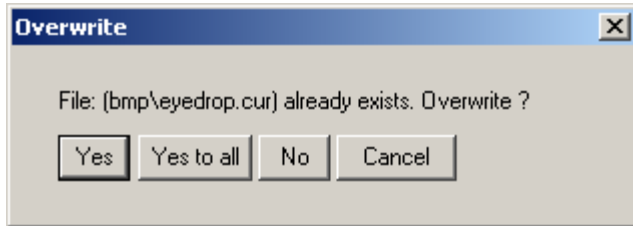
Click: Yes to all
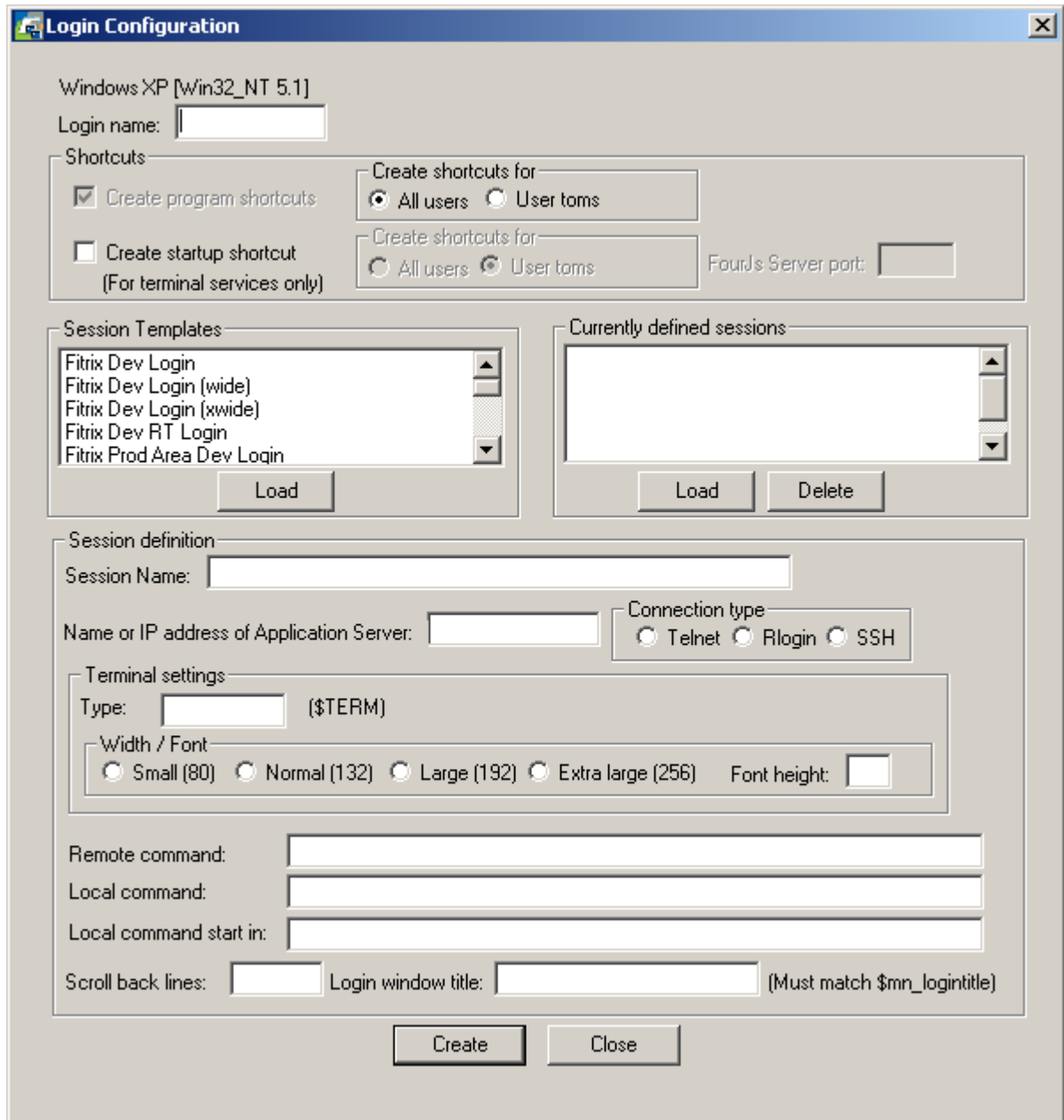
You will see files being copied: Copy: fgss_bin\mnconfig.exe ...

Click: Finished

2. Fitrix Login Creation -- For each user's workstation

or terminal services workstation

Click: **Start** → **All Programs** ▶ →

Fitrix Accounting 5.4 ▶ → **Fitrix Administration** ▶ → **Login Configuration**

You will see:

If you receive the error message:

 or ,
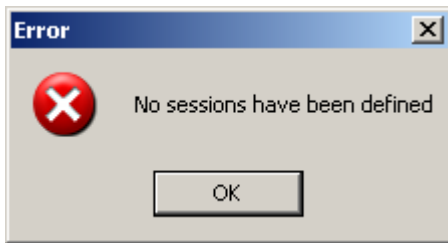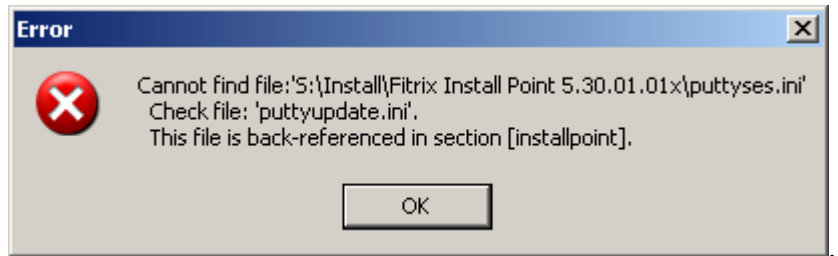
the install point has changed. There is a 'back' reference to the path to the install point that was set during
initial installation of the workstation's components. This 'back' reference is contained in file:

`C:\Program Files\FourJs\gdc\fitrix\fgss_bin\puttyupdate.ini` [default location]

in the section:

```
[installpoint]
S:\Install\Fitrix Install Point 5.40.02
```

The error probably means that the mapped drive in this case is not mapped properly. Instead of
using a mapped drive, use the UNC style address:

```
[installpoint]
\\10.0.0.99\share\Install\Fitrix Install Point 5.40.02
```

Filling in the Login Name is optional. If the name is left blank here, the user will be prompted for their login name each time they log in to Fitrix. If a Login name is filled in here, the user's login name will be filled in for them, but cannot be changed by the user.

Login name: [   ]

The defaults for the shortcuts should be taken:

Terminal Services Install

Next, create the login session(s) to be used with the client you are installing.

The typical login session templates are:

- Fitrix User Login – for end users to access their live production copy of Fitrix
- Fitrix Training User Student1 – for end users to access the training environment. This can be used with the Fitrix training workbook or with a Fitrix class, or simply to explore Fitrix using the supplied training database
- Fitrix Dev Login – for developers to access the development copy of Fitrix with access to the development tools.

For each login session to be created on the Windows client, use the following steps:

a. Highlight the session template in the top list:
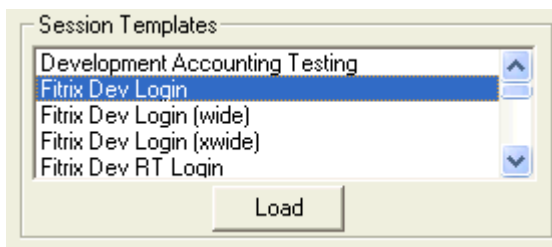
b. Then click: Load .

The details for the selected session will appear in the lower portion of the screen.

If this is a standard installation, use all of the defaults. If this is a custom installation,
Make any changes to the template.

c. Next, Click: [Create]

This will create a menu option for the login session and will list the created login session in
the "Currently Defined Sessions" window of the Login Configuration Screen.

d. repeat the process if the user will need login prompts to more than one area of Fitrix

Click: [Close] when finished creating login sessions.

3. Bring up the Genero Desktop Client (GDC)

Click: [Start] ➜ All Programs ▶ ➜

[Fitrix Accounting 5.4] ➜ [Fitrix Administration ▶] ➜ [Genero Desktop Client]

If this step is successful, you will see the GDC icon in the lower right tray: [5:13 PM]

Please note that you should not need to start the GDC again in the future as it should continue running until you logout or shutdown and has also been placed in your startup folder so that it will automatically start each time you login.

4. Login

Note: Before a user can login to Fitrix, a Linux User ID must be established. Please follow the separate instructions for creating Linux Users and confirming that the users are configured to meet the requirements of Fitrix

The user is now ready to login and begin using Fitrix:

Click: [Start] ➜ All Programs ▶ ➜ [Fitrix Accounting 5.4] ➜ [Fitrix Dev Login]

The first time you login, you may see a Putty security alert:
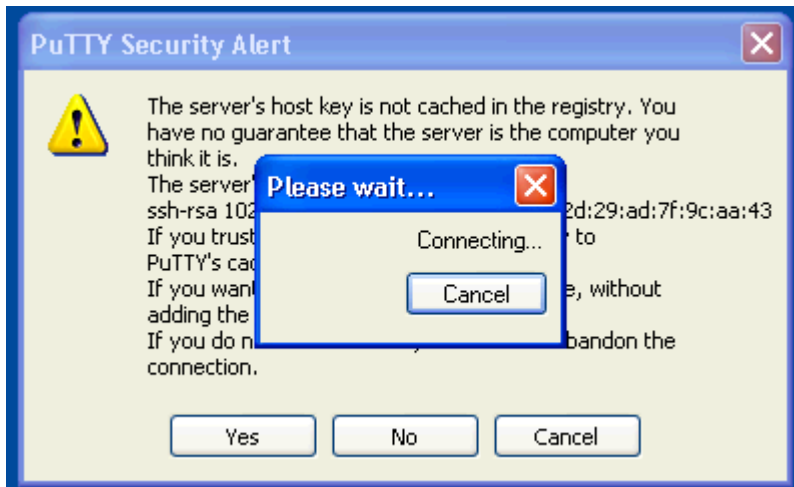
If so, click 'Yes'

You should now see the login screen:

Enter your Linux user name at the Login prompt (unless it is already filled in)
Enter your Linux password at the Password prompt

Click:

If you are the first person to access a Fitrix database after a new installation of Fitrix or a restart of the server, there will be a delay of 10 seconds to 2 minutes while the database is started.

Note:
If the Login does not work or appears to hang the first time, Log off of Windows, then Login to Windows again and login to Fitrix again. (On some systems this is required to allow the database time to launch. The database will not need to be re-launched until the next time the Fitrix server is brought down and back up.)

You should see the Fitrix Menu:
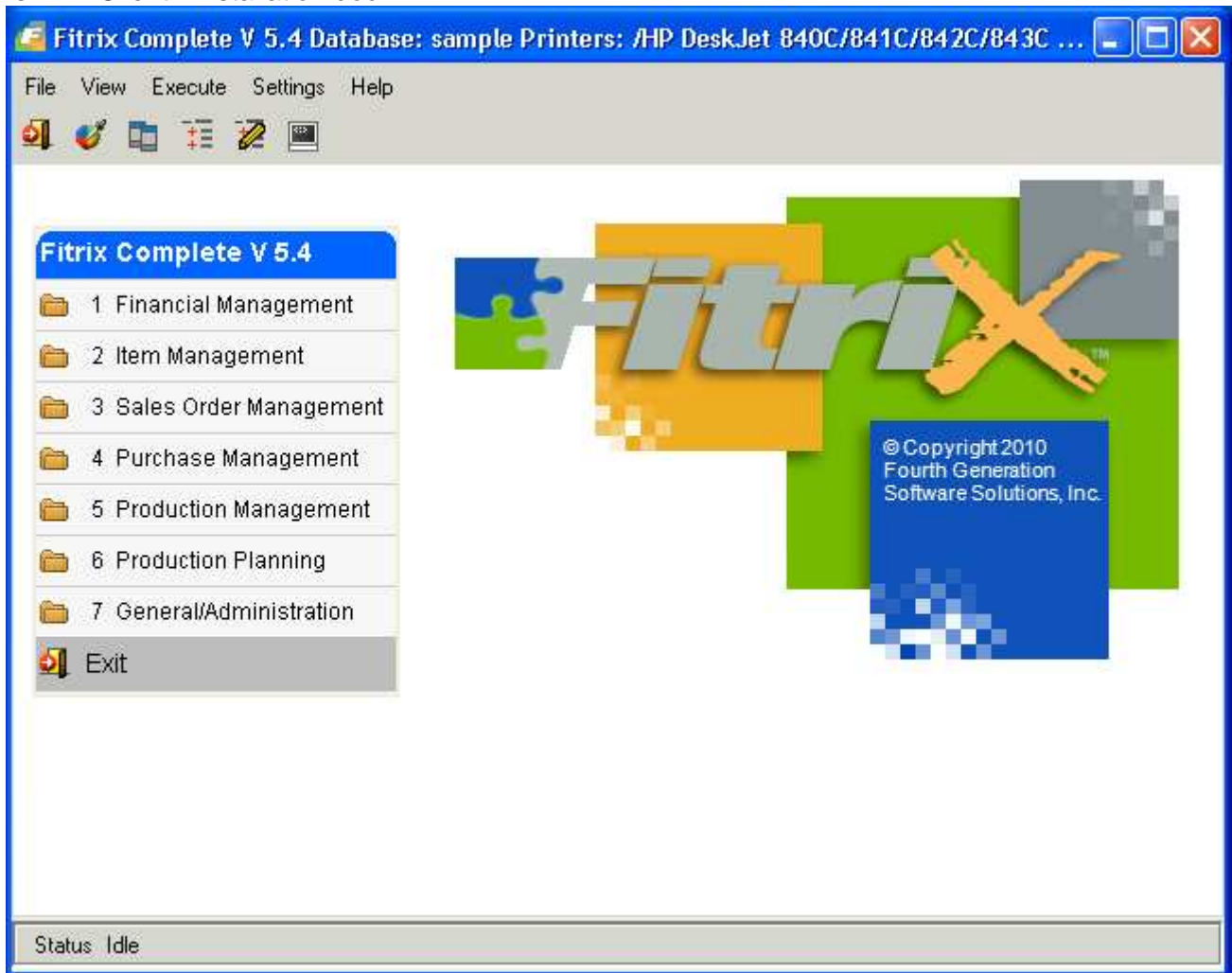
You may see the dialog box below the first time you launch a Fitrix data entry screen:

Click: [Yes to All]
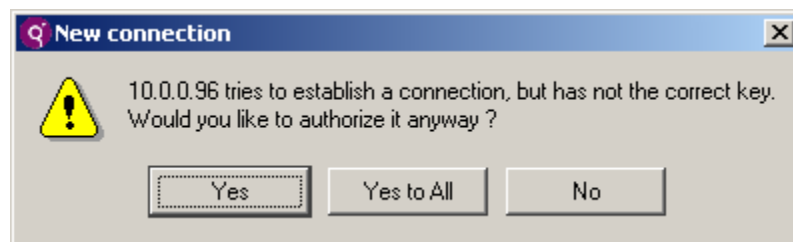
Congratulations, you have now completed your Fitrix installation and logged on!

Optional Advanced Steps

5. Customized Login Sessions (optional):

If changes to a login session are required for the local Windows Client, the screen allows for this

Make changes in any field that is not grayed out:

Click: **Create** and you will see:

Additional parameters

1) To change the database for a session:

Connection → SSH

Remote command: FJS_PORT=6402 /fitrix/bin/fg_540_prod_vm.sh sample

The default is for Development sessions to use the 'DEV' environment, Training sessions to use the 'DEV' environment, and for Production sessions to use the 'RT' (runtime) environment.

2) To change a session to use the Development environment:

Connection → SSH

Remote command: FJS_PORT=6402 FX_TOOLS=DEV /fitrix/bin/fg_540_prod_vm.sh standard

3) To change a session to use the Runtime environment:

Connection → SSH

Remote command: FJS_PORT=6402 FX_TOOLS=RT /fitrix/bin/fg_540_dev_vm.sh standard

2) To change a session to use a special Terminal Login Window Title ($mn_logintitle) :

Connection → SSH

Remote command: FJS_PORT=6402 LOGINTITLE="Main Server live" /fitrix/bin/fg_540_dev_vm.sh standard

Window → Behavior

Adjust the behaviour of the window title

Window title:

Main Server live

☐ Separate window and icon titles

Main Server live

```
Using username "toms".
exec mn -a:4 -r:4 -d mainmenu.main
LOG: mn -- Visual Menus 5.40.02.04 (1.6) - [2.6.9-2.3]
LOG: No auto start client
[toms@penguin tmp]$ exit
[toms@penguin tmp]$
```
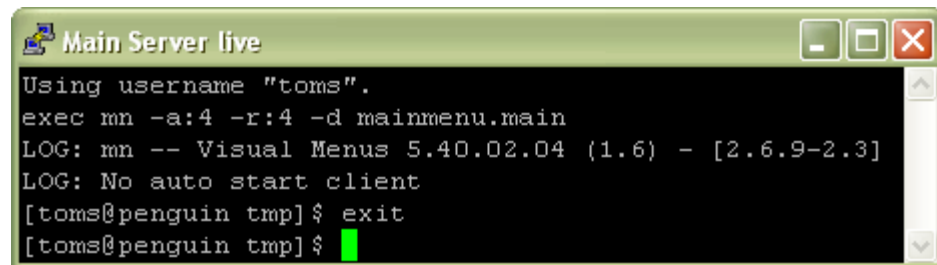
Click: **Create**

Create as many sessions as you like either by: 1) starting with a Session Template or 2) by loading a 'Currently defined session' and changing the session name.

Click: **Delete** to delete a 'Currently defined session'.

Click: **Close** when finished.

Appendix: A - vminstall - control files

- Input control file:

  S:\Install\Fitrix Install Point\vminstall.ini:

```
[defaults]
installpath=C:\Program Files\FourJs\gdc\fitrix
fourjs_shortcut=Four J's Genero Desktop Client 2.22.03
fitrix_shortcut=Fitrix Accounting 5.4
copyfiles=y
create_program_shortcuts=y
all_program_users=y
create_startup_shortcuts=y
all_startup_users=y
uninstalloption=y
serverport=6402

[fourjs_shortcuts]
Genero Desktop Client
Genero Desktop Client Release Notes

[fourjs_server]
Genero Desktop Client

[fourjs_server_arguments]
-a -D -M -n -q

[check]
bin\gdc.exe

[directories]
bmp
fgss_bin
%APPDATA%\fitrix

[files]
...
```

- Output control file:
  gdc\fitrix\vmuninstall.ini (create)

```
[defaults]
installpath=C:\Program Files\FourJs\gdc\fitrix
fourjs_shortcuts=C:\Documents and Settings\All Users\Start Menu\Programs\Programs\Four J's Genero Desktop Client 2.22.03
fitrix_shortcuts=C:\Documents and Settings\All Users\Start Menu\Programs\Fitrix Accounting 5.4
startup_shortcuts=C:\Documents and Settings\All Users\Start Menu\Programs\Startup\
fourjs_uninstall=Genero Desktop Client Setup

[files]
...

[directories]
bmp
fgss_bin
%APPDATA%\fitrix

[program_shortcuts]
Login Configuration
PuTTY Configuration
Fitrix Accounting 5.4 Uninstall

[startup_shortcuts]
Genero Desktop Client
```

gdc\fitrix\fgss_bin\puttyupdate.ini (append)

```
[installpoint]
S:\Install\Fitrix Install Point 5.40.02
```

Appendix: B - Overriding the default 'Name of installation':

The term "Name of installation" used during FourJs Genero Desktop Client (GDC) installation to
allow multiple installations. The installation directory and some shortcuts are named by appending
the "Name of installation" to the directory or shortcut. This can be controlled by either:

1) Changing the VM install control file:

```
S:\Install\Fitrix Install Point\vminstall.ini:
```

```
installpath=C:\Program Files\FourJs\gdc\fitrix-other
fourjs_shortcut=Four J's Genero Desktop Client 2.22.03-other
fitrix_shortcut=Fitrix Accounting 5.4 - other
```

or

2) By manually making the appropriate changes during the install processs.

Appendix: C - Install sequence

Vista

Install Point

install.exe **[S:\Install\Fitrix Install Point 5.40.02.04]** →

puttyses.exe   fjs-gdc-2.22.03-build2744-w32vc90.exe   vminstall.exe

→ S:\Install\Fitrix Install Point 5.40.02

→ C:\Documents and Settings\coms\Start Menu\Programs\Fitrix Install Point 5.40.02

S:\Install\Fitrix Install Point 5.40.02 →   puttyses.exe **[5.40.02.04]**

[S:\Install Point\puttyses.exe]

puttyses.ini →   puttyses.exe →   puttyses.ini

[S:\Install Point] **[S:\Install Point]** **[S:\Install Point]**

fjs-gdc-2.22.03-build2744-w32vc90.exe

[S:\Install\Fitrix - Install Point\5.40.02\fjs-gdc-2.22.03-build2744-w32vc90.exe]

→ C:\Documents and Settings\All Users\Start Menu → Four J's Genero Desktop Client 2.22.03

→ C:\Program Files\FourJs\gdc\fitrix_5.40.02-1.61\bin → Genero Desktop Client

→ C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Four J's GDC 2.02.08 - fitrix

NOTEPAD.EXE [**S:\Install\Fitrix Install Point 5.40.02.04**\vminstall.ini]

```
vminstall.ini - Notepad
File  Edit  Format  View  Help
[defaults]
installpath=C:\Program Files\FourJs\gdc\fitrix_5.40.02-1.61-other
fourjs_shortcut=Four J's Genero Desktop Client 2.22.03-other
fitrix_shortcut=Fitrix Accounting 5.4 - other
```
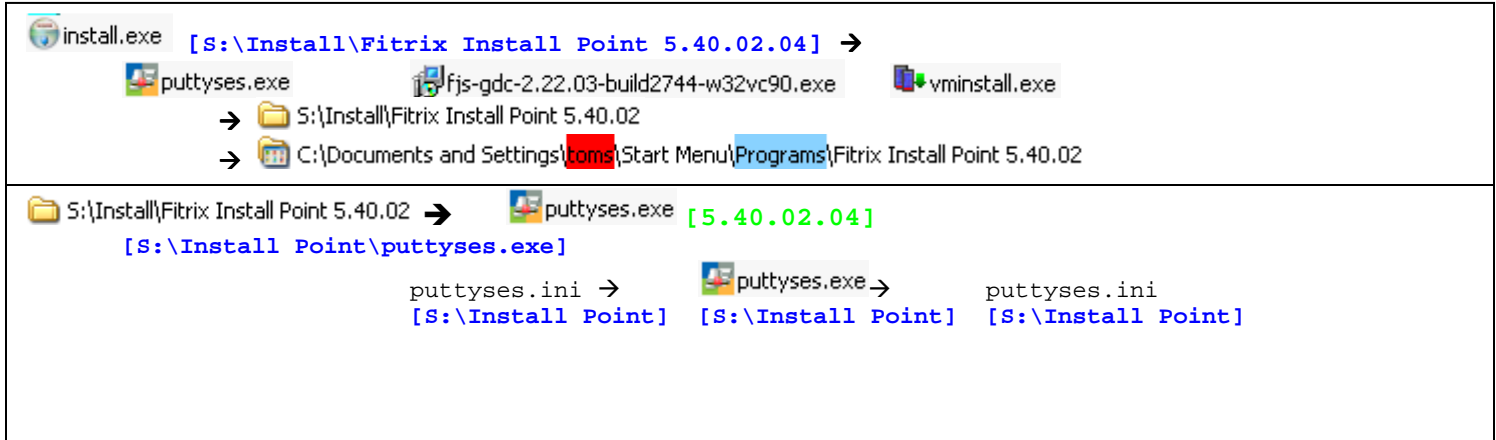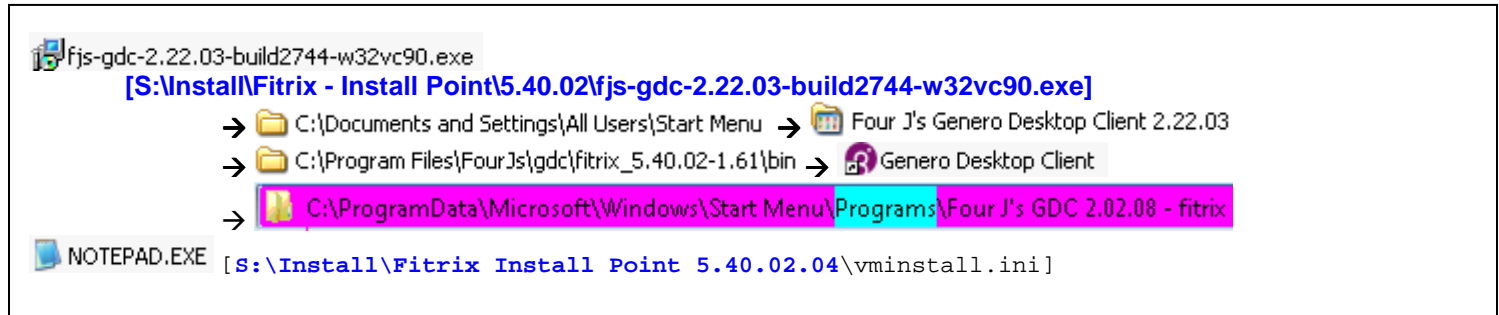
vminstall.exe [5.40.02.01/1220]

[S:\Install\Fitrix Install Point\vminstall.exe]

vminstall.ini → **vminstall.exe** vmuninstall.ini

[S:\Install Point][S:\Install Point] [C:\Program Files\FourJs\gdc\fitrix]

→ puttyupdate.ini {append}

```
[installpoint]
S:\Install\Fitrix Install Point 5.40.02.04
[fitrix_shortcut]
Fitrix Accounting 5.4 - other
```

[C:\Program Files\FourJs\gdc\fitrix\fgss_bin]

→ puttyupdate.exe

[C:\Program Files\FourJs\gdc\fitrix\fgss_bin]

→ Fitrix Accounting 5.4 → Fitrix Administration → Genero Desktop Client \gdc.exe" -a -D -M -n -q -p 6402

→ C:\Program Files\FourJs\gdc-fitrix\fgss_bin

→ C:\Documents and Settings\All Users\Start Menu\Programs\Startup (Genero Desktop Client) \gdc.exe" -a -D -M -n -q -p 6402

→ C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Startup

→ C:\Documents and Settings\All Users\Start Menu\Programs\Fitrix Accounting 5.4

→ C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Fitrix Accounting 5.4

Fitrix Accounting 5.4 Fitrix Administration → Login Configuration

puttyupdate.ini → Login Configuration → *Registry / Shortcuts*

[C:\Program Files\FourJs\gdc\itrix\fgss_bin]

sshwin.rtx

[C:\Program Files\FourJs\gdc\itrix\fgss_bin]

puttyses.ini

[S:\Install Point]

Fitrix Accounting 5.4 → Fitrix Dev Login

C:\Users\admin\AppData\Roaming\Microsoft\Windows\Start Menu\Programs\Fitrix Accounting 5.4

- Input control file:

S:\Install\Fitrix Install Point\puttyses.ini

```
session]
SessionName=Fitrix Dev Login
HostName=127.0.0.1
Protocol=SSH
TerminalType=xterm-132
LocalCommand=mntk.exe 127.0.0.1 20020
TermWidth=132
FontHeight=9
RemoteCommand=FJS_PORT=2 /fitrix/bin/fg_54_dev_vm.sh standard
ScrollBackLines=5000
WinTitle=Development Login
AllowChanges=Yes
Comment=Fitrix developer (fg.dev area, Genero development license):
```

gdc\fitrix\fgss_bin\sshwin.rtx

```
FontHeight=9 REG_DWORD
HostName="127.0.0.1" REG_SZ
LocalCommand="mntk.exe 127.0.0.1 20020" REG_SZ
LocalCommandStartIn="C:\Program Files\FourJs\gdc\fitrix\fgss_bin" REG_SZ
Protocol=ssh REG_SZ
RemoteCommand="FJS_PORT=6402 /usr/fgss_bin/fg_540_prod_vm.sh" REG_SZ
ScrollbackLines=5000 REG_DWORD
TerminalType=xterm-132 REG_SZ
TermWidth=132 REG_DWORD
VendorReserved=Fitrix REG_SZ
WinTitle="Condor - Genero" REG_SZ
```

Create PuTTY registry entries and shortcuts.

gdc\fitrix\fgss_bin\puttyupdate.ini:

```
[defaults]
installpath=C:\Program Files\FourJs\gdc\fitrix
serverport=6402

[fourjs_server]
Genero Desktop Client

[fourjs_server_arguments]
-a -D -M -n -q

[check]
gdc.exe

[installpoint]
S:\Install\Fitrix Install Point

[fitrix_shortcut]
Fitrix Accounting 5.4
```

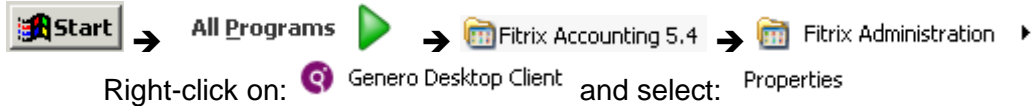Keywords: GDC VM install installation

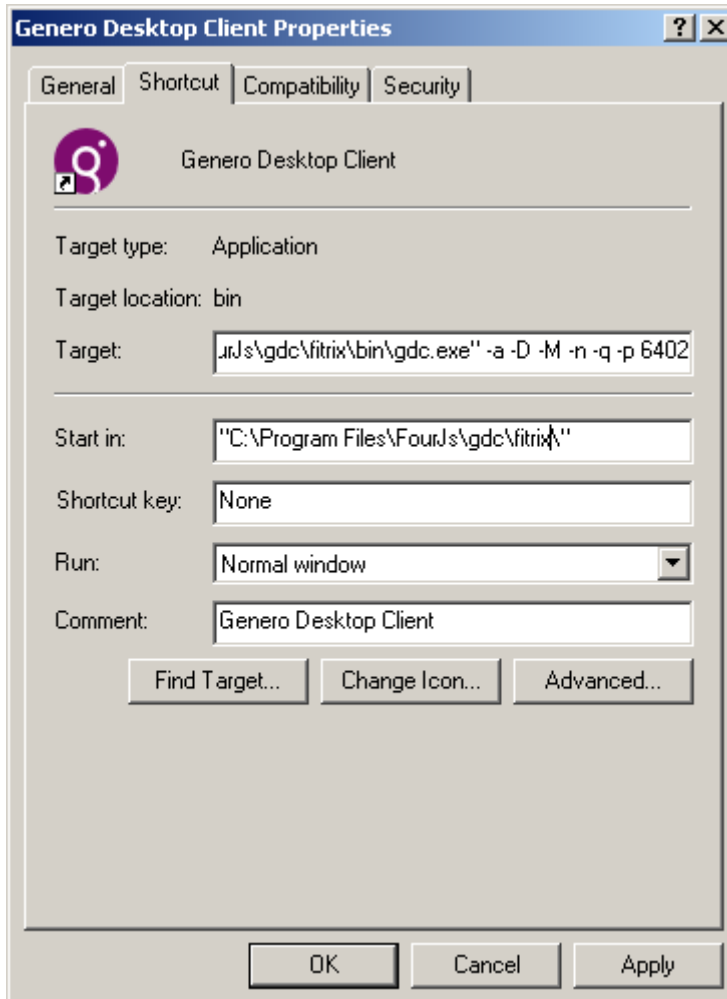# Appendix: D - GDC startup

Find and change the GDC startup

> Terminal Services Install
>
> This step is not done-- the GDC port is controlled in the **Fitrix Login Creation** step.

Start → All Programs ▶ → Fitrix Accounting 5.4 → Fitrix Administration ▶

Right-click on: Genero Desktop Client and select: Properties

You will see:

Add switches to the Target box to:

Target: "C:\Program Files\FourJs\gdc\fitrix\bin\gdc.exe"   -n -a -D -M -p 6402 -q

Where--   `-n:`   Start new instance of GDC {do not use next port available}
             `-a:`   Start GDC in 'Admin Mode'
             `-D:`   Starts GDC in 'Debug Mode'
             `-R:`   Automatically starts the built-in RCP daemon
             `-M:`   Starts GDC minimized
             `-p 6402:`   GDC will listen on the new port 6402
             `-q:`   Exit if port not available.

Click: OK

Start the GDC

Start → All Programs ▶ → 📁 Fitrix Accounting 5.4 → 📁 Fitrix Administration ▶ →
🔵 Genero Desktop Client

The GDC will launch invisibly and display as an icon on the far right of the Windows Task Bar. The GDC should always be up and will launch automatically whenever the Windows Client is booted, you should not need to manually start it in the future.

Appendix: E - Save stored settings

Right-click: in system tray (lower right). Select: Show/Hide .

Click: tab and select Advanced tab.

Unclick ☐ Disable :

Click: .

Leave the dialog box by clicking: ☒ **NOT** (which will terminate the GDC).

Fitrix back-end startup:

Customer start-up:
    PuTTY Remote command: `FJS_PORT=6402 /fitrix/bin/fg_540_dev_vm.sh`

```
/fitrix/bin/fg_540_dev_vm.sh
      db=$db . /fitrix/bin/fg_env_dev.sh
      /bin/sh /fitrix/bin/kill_orphans.sh
      ...
      exec fg.all [$fgtooldir/bin]
            exec mn.sh mainmenu [$fgtooldir/bin]
                  exec mn or exec mnl [$fgtooldir/bin]
```

Keywords: GDC VM install installation