

Global Edge® 2017 – Automated Manufacturing
The Power to Succeed in a Global Market



Server Installation Guide

Confidential

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0.00: Global Edge Server Installation Outline

The following outlines the steps to set-up the *Global Edge 2017 – Automated Manufacturing* software:

0.01: Global Edge Server Setup

- 0.01.01: Server Profile – SQL Server (refer to Page 4)
- 0.01.02: Server Profile – Red Hat Server (refer to Page 4)
- 0.01.03: User Names & Passwords (refer to Page 4)
- 0.01.04: Red Hat Login / Dell Support (refer to Page 4)
- 0.01.05: Contact Information (refer to Page 4)
- 0.01.06: Remote Login / VPN Connection (refer to Page 4)
- 0.01.07: Install Operating System (refer to Page 5)
- 0.01.08: Server Setup (refer to Page 6)
- 0.01.09: Install IBM Informix Database (refer to Page 14)

Global Edge Server Set-Up

[Red Hat 6 Server Set-Up](#)

[Server Hardware Set-Up](#)

[IPTables Security](#)

[Add Groups & Users](#)

[SAMBA Set-Up](#)

[Install Informix Database & ESQL/C](#)

[Multiple Database Instances](#)

[Install 4JS BDL Runner](#)

[Create LDC Database / Back-Up & Scripts](#)

[Troubleshooting Informix Installation](#)

[Install Global Edge Software on Server](#)

[Troubleshooting Server to Network Connection](#)

[Client PC Set-Up](#)

[Clear Database Logs](#)

[Rebuild Database Schema](#)

Setup Global Edge Client Directories

Create Global Edge Group:

Login as root:

```
groupadd globaledge
```

Add all users to globaledge group:

```
usermod -G globaledge ldc  
usermod -G globaledge loginname
```

Add following entries to [global] section of /etc/samba/smb.conf

```
follow symlinks = yes  
wide links = yes  
unix extensions = no
```

Restart samba service:

```
service smb restart
```

Add deployment directory in /ldc directory:

```
cd /ldc  
mkdir deployment  
chown ldc:globaledge deployment
```

Add links to deployment directory for ldc user:

```
su - ldc  
cd /home/ldc  
ln -s /ldc/deployment
```

From LDC Server copy contents of deployment directory to Customer Server:

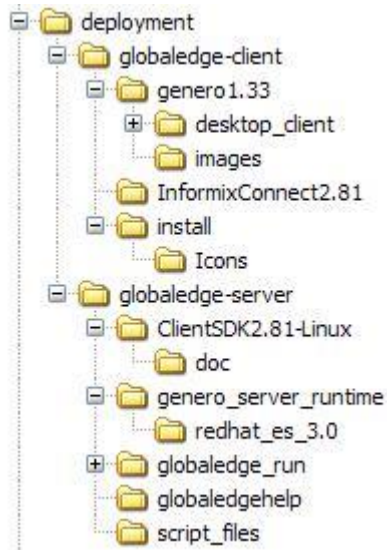
1. Map drive to home directory of ldc user on customer server
2. Copy Contents of LDC server deployment directory to deployment directory on customer Server

For each User login on server add symbolic link to deployment directories:

```
su - login  
cd /home/login  
mkdir deployment  
cd deployment  
ln -s /ldc/deployment/GlobalEdge-Client  
ln -s /ldc/deployment/GlobalEdge-Guides
```

Deployment Directory

The **Global Edge** system is a Client / Server application that is deployed on a Red Hat Linux Server with a direct Windows front end connection. Contained on the server is a "deployment" directory that contains all of the necessary files for running the **Global Edge** systems on both the Server and Client side (does not including the operating system and database engine which has been pre-installed on the server). As updates to the **Global Edge** software are deployed, these updates will first be added to the "deployment" directory either by Logic Design Corporation via a remote connection, or by a CD sent to the client company. Once **Global Edge** software updates transferred to the "deployment" directory, there are a variety of scripts that can be executed to install the software updates to the production and training database environments. The "deployment" directory is located in the "\\ldc\" directory is structured as follows and contains the following program files:



- **deployment:** This directory contains the "client" and "server" directories which store the necessary client and server software to run the **Global Edge** system not in a production environment. Software files contained in these directories is separate software that is installed to the appropriate system locations with a variety of installed scripts explained in the **Global Edge** Help File. This directory includes the following sub-directories:
 - **gloaledge-client:** This directory stores software that is to be installed on the Client PC to run the **Global Edge** system. This directory includes the following sub-directories:
 - **genero1.33:** This directory stores the program files to install the Four Js Genero software on a either a Windows or Linux client PC. This directory includes the following sub-directories:
 - **desktop_client:** This directory includes the following sub-directories:
 - **linux:** This directory contains the Four Js Genero program files to install the **Global Edge** Client software on a Linux Client PC.
 - **windows:** This directory contains the Four Js Genero program files to install the **Global Edge** Client software on a Windows Client PC.
 - **images:** This directory stores the image files such as the splash page on the Main **Global Edge** Menu.

- **InformixConnect2.81:** This directory contains the necessary software to create an ODBC connection between the Client PC and the Informix database engine.
- **install:** This directory contains the necessary **Global Edge** client software files for the Document Control Window, CAD Interfaces, ERP Interfaces, G Code conversion program, and install batch files to install them on your client PC.
- **globaledge-server:** This directory stores software that is to be installed on the Red Hat server to run the **Global Edge** system. This directory includes the following sub-directories:
 - **genero_server_runtime:** This includes the following sub-directory:
 - **redhat_es_3.0:** This directory contains the Four Js Genero run-time software that is required on the server side. Initially this software is installed by Logic Design Corporation before the Red Hat server is deployed at the customer site. When Four Js provides upgrades to their software, the software contained in this directory will need to then be installed.
 - **globaledge_run:** This directory contains the compiled **Global Edge** server software files.
 - **globaledgehelp:** This directory contains a compiled local version of the **Global Edge** Help File.
 - **script_files:** This directory stores a number of scripts used throughout the **Global Edge** system for purposes such as: backing up the database, clearing logs, starting and stopping the database engine, etc.

0.01: Global Edge Server Setup

0.01.01: Server Profile (SQL Server)

- Dell PowerEdge R710
- Reg Model: E02S
- Reg Type: E02S001
- Dell LBL P/N: J296P A02 JSD2
- Disk Drives: (6 Drives) SAS 146GB 15K RPM
- Processor: Intel Xeon
- Root Password: xxxxxxx
- System Name: XXXXXXXX
- Domain Name: XXXXXXXX _____ .com
- IP Address:

0.01.02: Server Profile (Red Hat Server)

- Dell PowerEdge R710 → Intel Xeon
- Reg Model: E02S
- Reg Type: E02S001
- Dell LBL P/N: J296P A02 JSD2
- Disk Drives: (4 Drives) SAS 300GB 15K RPM
- Processor: Intel Xeon
- Root Password: xxxxxxx
- System Name: Global-Edge
- Domain Name: XXXXXXXX _____ .com
- IP Address: 192.168.##.##

0.01.03: User Names & Passwords (Red Hat Server)

- root ***root
- ldc ***ldc
- informix ***informix
- _____ _____ ##### XXX Xxxxxx Xxxxxx
- _____ _____ ##### XXX Xxxxxx Xxxxxx
- _____ _____ ##### XXX Xxxxxx Xxxxxx

0.01.04: Red Hat Login / Dell Support

- Username: XXXXXX Password: #####
- Dell Support: 866-362-5350

0.01.05: Contact Information

- Phone Number: ###-###-####
- Fax Number: ###-###-####
- Web Site:
- Xxxxxx Xxxxxx:
- Xxxxxx Xxxxxx:

0.01.06: Remote Login / VPN Connection

0.01.07: Install Operating System

1. Turn on server – insert “Dell Systems Management Tools and Documentation” DVD into system drive
2. Select “English” as Language
3. System Deployment Options – Select “Configure” for Server OS Installation
4. Set the Date and Time
5. Select Operating System – Select “Red Hat Enterprise Linux 6.2 x86_64”
6. Select RAID Configuration:
 - a. Virtual Disk: 0
 - b. Type: SAS
 - c. Device: PERC H310 Adapter
 - d. Level: RAID-1
 - e. Size: 558.38 GB
 - f. Physical Disk ID(s): 0:0:0, 0:0:1
7. Select an Option – Select “Retain existing configuration on the system”
8. Select Partition Size in Megabytes:
 - a. (root)/ 200,000 MB (Vault & Database)
 - b. /boot 200 MB
 - c. Swap 8,192 MB
 - d. /usr 100,000 MB
 - e. /home 234,621 MB (Individual Users)
 - f. /tmp 20,480 MB
 - g. /var 8,192 MB
9. Network Adapter(s) Configuration – Broadcom Corporation NetXtreme BCM5720 Gigabit Ethernet PCIe – Onboard – Link A
10. Specify an IP Address: 192.168.1.80
11. Subnet Mask: 255.255.255.0 Class C Network
12. Second Network Adapter – Select “Disable this Network Adapter”
13. Enter Configuration Information for: Red Hat Enterprise Linux 6.2 x86_64:
 - a. System Name: XXXXXXXX (globaledge)
 - b. Firewall: Disabled
 - c. Root Password: ***** (crnroot)
 - d. Domain Name: (carronnet.com)
 - e. Language: English
 - f. DNS Server: 192.168.1.254
 - g. Default Gateway: 192.168.1.100
 - h. [X] – Install Server Administrator
14. Operating System Installation Summary
 - a. System: PowerEdge T320
 - b. Operating System: Red Hat Enterprise Linux 6.2 x86_64
 - c. File System/Boot Environment: ext3
 - d. Installation Disk: Hard Drive on PERC H310 Adapter
 - e. Save Installation Summary at /root/summary.htm
 - f. Save Unattended Installation Script at /root/install-ks.cfg
15. Select “Apply Now”
16. Insert “Red Hat Installation DVD” when prompted
17. Select “Next” when Red Hat splash screen appears
18. Select “English” for language
19. Select “U.S. English” for keyboard
20. Select “Basic Storage Devices” for installation – select customize to add most programs (IMPORTANT STEP)
21. Please name this computer. The hostname identifies the computer on a network
 - a. Hostname: globaledge

22. Please select the nearest city in your time zone: America/Chicago
23. Root Password: crnroot
24. Which type of installation would you like?: Replace Existing Linux System(s)
25. The default installation of Red Hat Enterprise Linux is a basic server install. You can optionally select a different set of software now. Select "Basic Server"
26. Reboot System when done installing operating system
27. Create User:
 - a. Username: ldc
 - b. Full Name: LDC User
 - c. Password: *****

0.01.08: Server Setup

1. Turn On Red Hat Services
 - NetworkManager
 - ACPID
 - cpconfig
 - crond
 - cups
 - Apache Server HTTPD
 - iptables
 - iptables
 - kdump
 - libvirt-guests
 - mdmonitor
 - messagebus
 - network
 - nmb
 - ntpd
 - openct
 - pcsd
 - portreserve
 - postfix
 - qpidd
 - rhnsd
 - rpcbind
 - rsync
 - rsyslog
 - smartd
 - smb
 - snmpd
 - sshd
 - virt-who
 - vsftpd
2. Turn Off Secure Linux
 - a. cd /etc/selinux
 - b. vi config
 - i. Change Line to Following: SELINUX=disabled
 - c. Reboot Server

3. Firewall Settings

- a. Go to Desktop and select “System”
- b. Then select “Administration”
- c. Then select “Firewall”
 - i. Trusted Services – select the following to mark as trusted:
 1. FTP
 2. Multicast DNS (mDNS)
 3. Samba
 4. Samba Client
 5. SSH
 6. TFTP
 7. TFTP Client
 - ii. Go to “Trusted Interfaces” – select the following to mark as trusted:
 1. eth+
 2. wlan+
 3. em1
 4. em2
- d. When done making changes select “Apply”

4. Add System Users

- a. Go to Linux Desktop
- b. Select “System” Option
- c. Select “Administration” Option
- d. Select “Users and Groups” Option
- e. Select “Add User” Option
- f. Add User Information:
 - i. User Name
 - ii. Full Name
 - iii. Password
- g. Select “OK”
- h. Create the Following Users:
 - i. informix
 - ii. individual system users
- i. Add Directories for Each User
 - i. Open Terminal Session
 - ii. cd /home/loginname
 - iii. mkdir data report document
 - iv. chown loginname:loginname data report document

5. Add Following Directories to Server

- /ldc
- /ldc/backup
- /ldc/db
- /home/ldc/deployment
- /ldc/export
- /ldc/logs
- /ldc/vault
- /opt/4j2.41
- /opt/4jrun2.41
- /opt/informix
- /opt/fourjs
- /data
- /data/Images
- Set Ownership on Directories Above:
 - i. chown informix:informix /ldc/db /ldc/export /ldc/logs
 - ii. chown ldc:ldc /ldc/vault
 - iii. chown informix:informix /opt/informix
 - iv. chown ldc:ldc /opt/fourjs
 - v. chmod 777 /data /data/Images
- Copy images to "Image" directory
 - i. cd /data/Images
 - ii. cp /home/ldc/deployment/GlobalEdge-Server/Images/* .

6. Add Script Files to LDC Directory

a. tape.sh

```
rm -f /ldc/tape
touch /ldc/tape
chown informix:informix /ldc/tape
chmod 660 /ldc/tape
```

b. in_tape.key

```
<return>
y
<return>
<return>
```

c. backup.sh

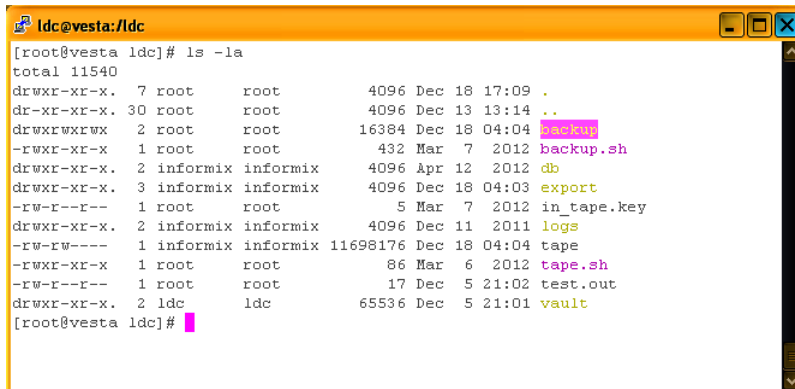
```
cd /ldc
FGDT=`date +%m-%d-%y`
export FGDT

cd /ldc/export
rm dbexport.out
rm -r ldc.exp
./opt/informix/env/environment.ldc

/opt/informix/LE/DBengine.sh stop
/opt/informix/LE/DBengine.sh start
sleep 45
dbexport ldc
env > env.file
cd /ldc
tar -cvf export.tar export/*
rm export.tar.gz
gzip export.tar
cp export.tar.gz /ldc/backup/export.tar.gz-$FGDT

cd /ldc
/ldc/tape.sh
cat in_tape.key | ontape -a
cp tape /ldc/backup/log-$FGDT
```

7. Permissions on /ldc directory:



```
ldc@vesta:/ldc
[root@vesta ldc]# ls -la
total 11540
drwxr-xr-x. 7 root root 4096 Dec 18 17:09 .
dr-xr-xr-x. 30 root root 4096 Dec 13 13:14 ..
drwxrwxrwx 2 root root 16384 Dec 18 04:04 backup
-rwxr-xr-x 1 root root 432 Mar 7 2012 backup.sh
drwxr-xr-x. 2 informix informix 4096 Apr 12 2012 db
drwxr-xr-x. 3 informix informix 4096 Dec 18 04:03 export
-rw-r--r-- 1 root root 5 Mar 7 2012 in_tape.key
drwxr-xr-x. 2 informix informix 4096 Dec 11 2011 logs
-rw-rw---- 1 informix informix 11698176 Dec 18 04:04 tape
-rwxr-xr-x 1 root root 86 Mar 6 2012 tape.sh
-rw-r--r-- 1 root root 17 Dec 5 21:02 test.out
drwxr-xr-x. 2 ldc ldc 65536 Dec 5 21:01 vault
[root@vesta ldc]#
```

8. Permissions on /opt directory:

```
drwxr-xr-x. 6 root root 4096 Dec 18 10:40 .
dr-xr-xr-x. 27 root root 4096 Dec 18 09:35 ..
drwxr-xr-x. 2 root root 4096 Dec 18 10:39 4j2.41
drwxr-xr-x. 2 root root 4096 Dec 18 10:39 4jrun2.41
drwxr-xr-x. 2 ldc ldc 4096 Dec 18 10:40 fourjs
drwxr-xr-x. 2 informix informix 4096 Dec 18 10:39 informix
```

9. Setup Informix / Genero Environment Files

- a. cd /opt/informix
- b. mkdir env LE
- c. chown informix:informix env LE
- d. cd env
- e. cp /home/ldc/deployment/GlobalEdge-Server/GlobalEdge-Server-Files/Configuration-Files/env* .

10. Set-Up SAMBA Shares

- a. cd /etc/samba
 - b. vi smb.conf
- ```
[homes]
comment = Home Directories
inherit acls = No
browseable = yes
writable = yes
read only = No

[data]
comment = Data Directories
path = /ldc
browseable = yes
writable = yes
valid users = ldc
guest ok = no

[opt]
comment = Program Directories
path = /opt
browseable = yes
writable = yes
valid users = ldc
guest ok = no
```

```
[epicor]
comment = Epicor Data Transfer Directories
path = /home/ldc/transfer/epicor
browseable = yes
writable = yes
valid users = ldc
guest ok = no

[salvagnini]
comment = Salvagnini Data Transfer Directories
path = /home/ldc/transfer/salvagnini
browseable = yes
writable = yes
valid users = ldc
guest ok = no

[printers]
comment = All Printers
path = /var/spool/samba
browseable = no
guest ok = no
writable = no
printable = yes
```

11. Edit User `.bash_profile` Files for Each User including root user

a. Change Directory each User Home Directory

- i. `cd /home/ldc`
- ii. `vi .bash_profile`
- iii. Add following lines to end of file:

```
./opt/informix/env/environment.ldc
./opt/informix/env/envcomp2.41
```

b. Relogin as “root” so variables set

### 0.01.09: Install IBM-Informix Database

1. Create Database File and Soft Link
  - a. Login as "root"
  - b. `cd /ldc/db`
  - c. `touch on_live.db`
  - d. `ln -s on_live.db on_db`
  - e. `chown informix *db`
  - f. `chgrp informix *db`
  - g. `chmod 660 on*`
  
2. Create automatic shutdown and startup file
  - a. `cd /home/ldc/deployment/GlobalEdge-Server/GlobalEdge-Server-Files/Configuration-Files`
  - b. `cp DBEngine.sh /opt/informix/LE`
  - c. `cd /opt/informix/LE`
  - d. `chmod 755 DBEngine.sh`
  - e. Setup soft links to run state directories
    - i. `cd /etc/rc.d/rc2.d`
    - ii. `ln -s $INFORMIXDIR/DBEngine.sh S96DBEngine`
    - iii. `chmod 755 S96DBEngine`
  
    - i. `cd /etc/rc.d/rc3.d`
    - ii. `ln -s $INFORMIXDIR/DBEngine.sh S96DBEngine`
    - iii. `chmod 755 S96DBEngine`
  
    - i. `cd /etc/rc.d/rc4.d`
    - ii. `ln -s $INFORMIXDIR/DBEngine.sh S96DBEngine`
    - iii. `chmod 755 S96DBEngine`
  
    - i. `cd /etc/rc.d/rc5.d`
    - ii. `ln -s $INFORMIXDIR/DBEngine.sh S96DBEngine`
    - iii. `chmod 755 S96DBEngine`
  
3. Install Informix Database Engine
  - a. `cd /home/ldc/deployment/GlobalEdge-Server/Informix11.70DVD`
  - b. `./ids_install`
  - c. When Prompted – select <ENTER> to continue installation
  - d. Enter "1" to accept license agreement
  - e. Enter "1" to install products and features
  - f. Select <ENTER> to accept default installation directory (/opt/informix/LE)
  - g. Enter "1" to accept "Typical" installation
  - h. Enter "2" – "No – do not create an instance"
  - i. Enter "1" to accept international license agreement
  - j. Enter "1" to "Automatically secure the path (recommended)"
  - k. Enter to continue installing all products
  - l. Select <ENTER> to Install (/opt/informix/LE)
  - m. PRESS <ENTER> TO EXIT INSTALLER

4. Configure Informix Database Engine

a. Edit \$INFORMIXDIR/etc/sqlhosts File Server Specific Entries (copy from sqlhosts.std)

```
#demo_on onipcshm on_hostname on_servername
#demo_se seipcpip se_hostname sqlexec
globaledgeserver onsoctcp 192.168.1.80 odbcglobaledge
```

b. Add Line to /etc/services File Server Specific Entry to match sqlhosts file:

```
odbcglobaledge 6002/tcp # Informix engine connection
```

c. Edit Following lines of \$INFORMIXDIR/etc/\$ONCONFIG

```
ROOTPATH /ldc/db/on_db # Path for device containing root dbspace
ROOTSIZE 2000000 # Size of root dbspace (Kbytes)
PHYSFILE 50000 # Physical log file size (Kbytes)
LOGFILES 20 # Number of logical log files
LOGSIZE 10000 # Logical log size (Kbytes)
MSGPATH /ldc/logs/online.log # System message log file path
ALARMPROGRAM /opt/informix/LE/etc/alarmprogram.sh # Alarm program path
TAPEDEV /ldc/tape # Tape device path
TAPESIZE 163920 # Maximum Amount of Data to Put On Tape
LTAPEDEV /ldc/tape # Log tape device path
LTAPESIZE 0 # Maximum Amount of Data to Put On Log Tape
DBSERVERNAME globaledgeserver # Name of default database server
MULTIPROCESSOR 1 # 0 for single-processor, 1 for multi-processor
LOCKS 250000 # Maximum number of locks
SHMVIRTSIZE 65536 # initial virtual shared memory segment size
SHMADD 65536 # size of new shared memory segments (Kbytes)
```

Initialize the database space and startup the DB engine (do as informix)

May take a while to run

```
su – informix
password: ldcinformix
oninit –ivy
```

Check that database engine is online

onstat -

Shutdown and restart system to see that engine automatically restarts

onstat -

### Multiple Database Instances

Setting up multiple database instances requires unique values in the \$ONCONFIG files for each instance of the following variables:

**DBSERVERNAME**  
**SERVENUM**  
**ROOTPATH**  
**MSGPATH**  
**MIRRORPAT**

In the **\$INFORMIXDIR/etc/sqlhosts** file there needs a line for each instance. Example:

```
greendale onsoctcp application odbccapplication
training onsoctcp application odbctrain
```

In the **/etc/services** file there needs to be entries for each instance. Example:

```
odbccapplication 1526/tcp # first instance
odbctrain 1536/tcp # second instance with unique port number
```

### Install 4JS BDL Runner

#### INSTALLING 4JS TOOLS OR RUNNER, THEN:

```
cd/opt
/opt
ls - Informix listed as only directory; must add 4J Directory
TO MAKE 4J DIRECTORY: mkdir 4j3.53 (enter)
cd /opt/4j3.53
chown root:root 4j3.53
mkdir fgl2c
chown Informix:Informix fgl2c

mkdir /opt/fgl_3.53_install
copy fjs-f4gl-3.53.1a-lnxl21.sh into /opt/fgl_3.53_install
cd /opt/fgl_3.53_install
```

At the [root@globaledge 4j]# /bin/sh ./fjs-f4gl-3.10.li-lnxlc21.sh-i (enter)

```
-more- type Q to quit
Options: [Y] (enter)
Default: [N] enter
```

```
Directory Path: /opt/4j3.53/fgl2c (enter)
Select product type: "2" - for runtime environment
```

```
Create Informix Runner? Y (enter)
Use Four J Compiler Enhancement? N
Look for esql not found????
```

- Install Informix Dynamic 4GL – Run-Time

**Check that fgldr is created in \$FGLDIR. If not:**

```
cd $FGLDIR
esql -V {return esql version to make sure installed correctly.
```

```
fglmkrun -I esql {should build fgldr file}
fgldr -V {return version of built runner}
- Install Informix Dynamic 4GL – Development
```



## Create LDC Database / Back-Up & Scripts

Create LDC database

```
cd /opt/4jrun3.53
fglrun ldc_crea
```

Create Global Edge Text Execution Script

Edit Following lines of /usr/bin/ldc

```
./opt/Informix/env/environment.ldc
./opt/Informix/env/envcomp3.53
cd /opt/4jrun3.53
FGLGUI=0;export FGLGUI
fglrun ldc_menu
```

Create Global Edge GUI Execution Script

Edit Following lines of /usr/bin/ldc

```
./opt/Informix/env/environment.ldc
./opt/Informix/env/envcomp3.53
cd /opt/4jrun3.53
FGLGUI=1;export FGLGUI
fglrun ldc_menu
```

Create Script to Delete & recreate tape output file:

Enter the contents of /ldc/tape.sh

```
rm -f /ldc/tape
touch /ldc/tape
chgrp Informix:Informix /ldc/tape
chmod 660 /ldc/tape
```

Turn on db Logging:

Add Entry to run backup script automatically at 4:00 AM daily

```
cron -e root
```

Add Following:

```
02 4 * * * /ldc/cronbackup.sh
```

Setup Doc vaulting script:

```
cp doc_vault.sh /usr/bin
chmod 755 /usr/bin/doc_vault.sh
```

Add Entry to /etc/inittab:

```
net:5:respawn:/opt/4jrun3.54/net_msg.sh
```

Note run level 5 if X11 front end running on server; otherwise run level 3

## Troubleshooting Server to Network Connection

### Client PC Set-Up

A - Check out Connection to Server

1 - Install/Configure Network Card

Check if Setup with Static IP or DHCP

Server needs static IP

2 - Ping Server/Clients

Make sure can Ping Server IP address

If Can Move on to Next Step "B"

B – [Install Global Edge Client Components](#)

### Clear Database Logs

This process is to clear database log files that are created when transactions are recorded in the database. These log files can get filled to capacity when a large amount of transactions are recorded by the system. The procedure to clear these log files are as follows:

1. Telnet into the Database server with two separate Telnet Sessions.

2. Switch Users to "root" on both Telnet Sessions by:

a. TYPE: su – root

b. Enter root password

3. On one session change directory to /ldc by typing "cd /ldc"

4. On that login – TYPE: "./tape.sh"

5. On the other Telnet Session – TYPE: "ontape -a"

6. When prompted to mount tape – press Return to continue ...

7. If the log file is larger than defined tape size, you will be prompted to mount a second tape on /ldc/tape. If this happens, switch to the other telnet session and re-enter the command: "./tape.sh". Then switch back to other Telnet Session and press Return. Repeat this procedure until you get the Prompt to back-up the current logical log. Enter "y" to continue.

8. You should be done and can logout.

Check Logs

TERM=vt100; export TERM

ontape -a

onmonitor (check logs)

cd /ldc

./tape.sh