

**Jainish Sakhidas**

**TE3 – 65**

**Batch D**

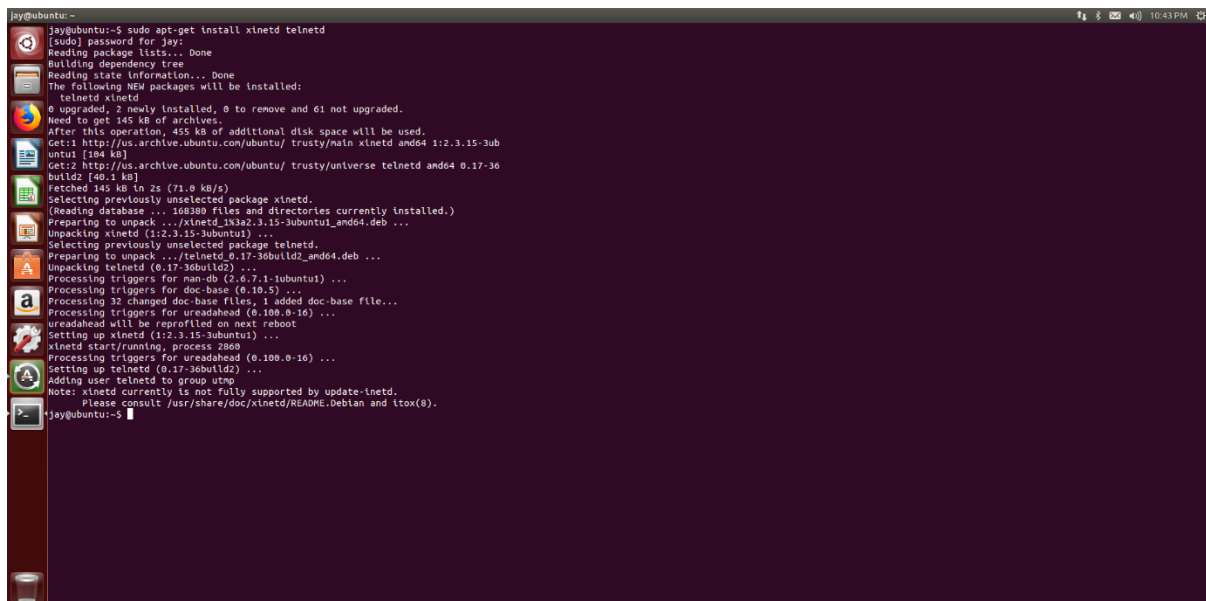
**Subject: CN**

## **Experiment 10**

**Aim:** Perform Remote login using Telnet server.

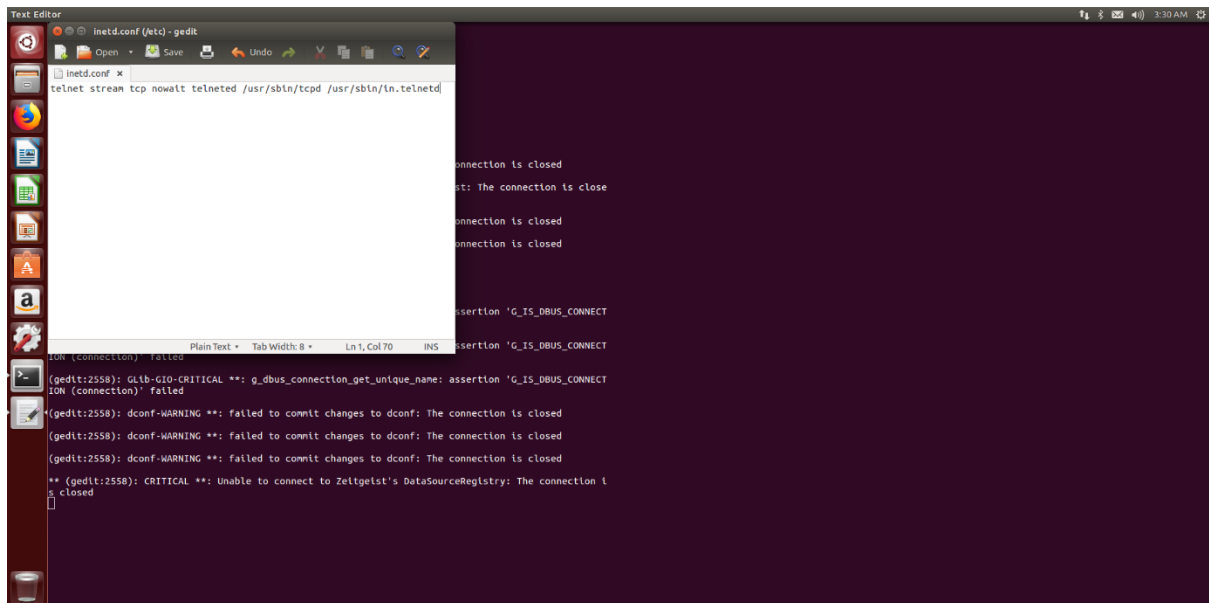
### **IMPLEMENTATION:**

#### **1. Installing the package xinetd and telnetd**



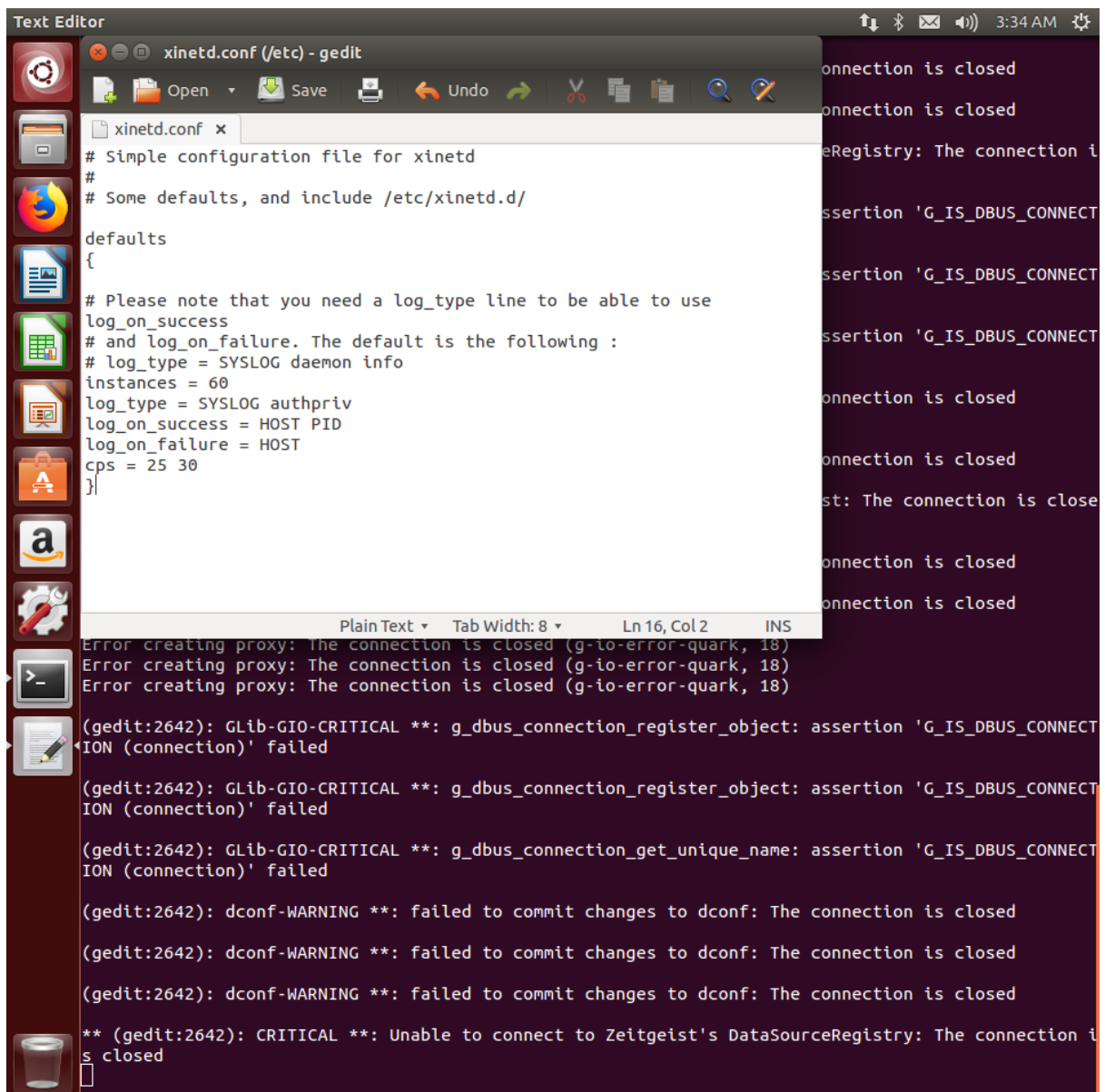
```
jay@ubuntu:~$ sudo apt-get install xinetd telnetd
[sudo] password for jay:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  telnetd xinetd
0 upgraded, 2 newly installed, 0 to remove and 61 not upgraded.
Need to get 145 kB of archives.
After this operation, 455 kB of additional disk space will be used.
Get:1 http://us.archive.ubuntu.com/ubuntu/ trusty/main xinetd amd64 1:2.3.15-3ub
untu1 [104 kB]
Get:2 http://us.archive.ubuntu.com/ubuntu/ trusty/universe telnetd amd64 0.17-36
build2 [40.1 kB]
Fetched 145 kB in 2s (71.0 kB/s)
Selecting previously unselected package xinetd.
(Reading database ... 168380 files and directories currently installed.)
Preparing to unpack .../xinetd_1:2.3.15-3ubuntu1_amd64.deb ...
Unpacking xinetd (1:2.3.15-3ubuntu1) ...
Selecting previously unselected package telnetd.
Preparing to unpack .../telnetd_0.17-36build2_amd64.deb ...
Unpacking telnetd (0.17-36build2) ...
Processing triggers for man-db (2.6.7.1-1ubuntu1) ...
Processing triggers for doc-base (0.10.5) ...
Processing 32 changed doc-base files, 1 added doc-base file...
Processing triggers for ureadahead (0.100.0-16) ...
ureadahead will be reprofiled on next reboot
Setting up xinetd (1:2.3.15-3ubuntu1) ...
xinetd starts/running, process 2868
Processing triggers for ureadahead (0.100.0-16) ...
Setting up telnetd (0.17-36build2) ...
Adding user telnetd to group utmp
Note: xinetd currently is not fully supported by update-inetd.
Please consult /usr/share/doc/xinetd/README.Debian and itox(8).
jay@ubuntu:~$
```

## 2. Editing inetd.conf file using gedit



```
root@ubuntu: /home/jay 3:32 AM
ION (connection)' failed
(gedit:2631): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
root@ubuntu:/home/jay# gedit /etc/xinetd.conf
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
** (gedit:2637): CRITICAL **: log.vala:104: Unable to connect to Zeitgeist: The connection is closed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
Error creating proxy: The connection is closed (g-io-error-quark, 18)
Error creating proxy: The connection is closed (g-io-error-quark, 18)
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Error creating proxy: The connection is closed (g-io-error-quark, 18)
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_get_unique_name: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
** (gedit:2637): CRITICAL **: Unable to connect to Zeitgeist's DataSourceRegistry: The connection is closed
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): GLib-GIO-CRITICAL **: g_dbus_connection_get_unique_name: assertion 'G_IS_DBUS_CONNECTION (connection)' failed
(gedit:2637): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
root@ubuntu:/home/jay# gedit /etc/xinetd.conf
(gedit:2642): dconf-WARNING **: failed to commit changes to dconf: The connection is closed
** (gedit:2642): CRITICAL **: log.vala:104: Unable to connect to Zeitgeist: The connection is closed
```

### 3. Editing xinetd.conf file



The screenshot shows a Linux desktop environment. In the foreground, a text editor window titled 'xinetd.conf (/etc) - gedit' is open, displaying the configuration file. The file content is as follows:

```
# Simple configuration file for xinetd
#
# Some defaults, and include /etc/xinetd.d/

defaults
{
    # Please note that you need a log_type line to be able to use
    log_on_success
    # and log_on_failure. The default is the following :
    # log_type = SYSLOG daemon info
    instances = 60
    log_type = SYSLOG authpriv
    log_on_success = HOST PID
    log_on_failure = HOST
    cps = 25 30
}
```

Below the text editor, a terminal window shows several error messages:

```
Error creating proxy: The connection is closed (g-io-error-quark, 18)
Error creating proxy: The connection is closed (g-io-error-quark, 18)
Error creating proxy: The connection is closed (g-io-error-quark, 18)

(gedit:2642): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed

(gedit:2642): GLib-GIO-CRITICAL **: g_dbus_connection_register_object: assertion 'G_IS_DBUS_CONNECTION (connection)' failed

(gedit:2642): GLib-GIO-CRITICAL **: g_dbus_connection_get_unique_name: assertion 'G_IS_DBUS_CONNECTION (connection)' failed

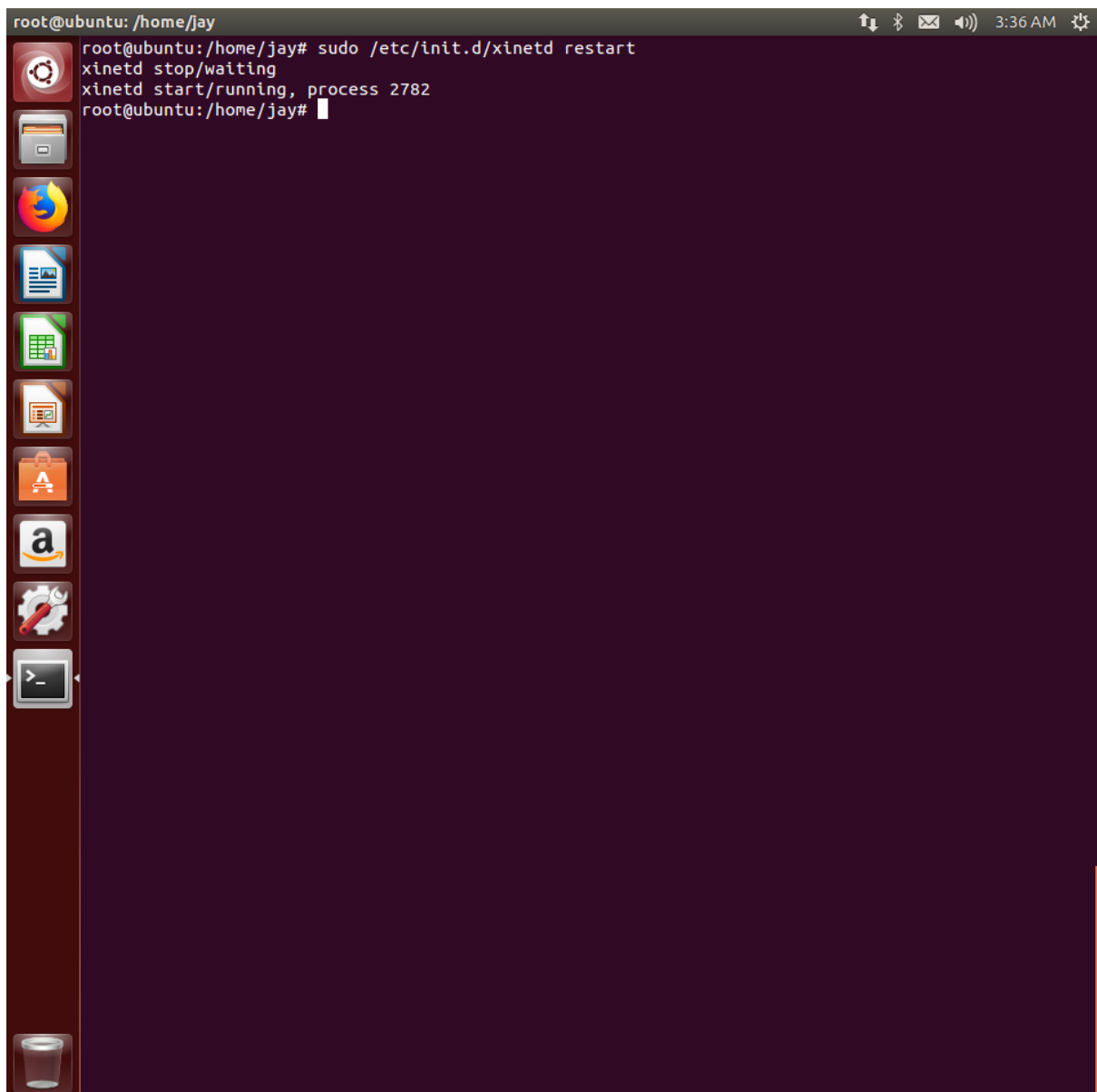
(gedit:2642): dconf-WARNING **: failed to commit changes to dconf: The connection is closed

(gedit:2642): dconf-WARNING **: failed to commit changes to dconf: The connection is closed

(gedit:2642): dconf-WARNING **: failed to commit changes to dconf: The connection is closed

** (gedit:2642): CRITICAL **: Unable to connect to Zeitgeist's DataSourceRegistry: The connection is closed
```

## 4. Restarting the server



A terminal window titled 'root@ubuntu: /home/jay' with a dark purple background. The window shows the execution of the command 'sudo /etc/init.d/xinetd restart'. The output indicates that xinetd was successfully restarted, showing 'xinetd stop/waiting' followed by 'xinetd start/running, process 2782'. The prompt returns to 'root@ubuntu: /home/jay#'. On the left side of the terminal, there is a vertical dock with various application icons including a gear, a folder, Firefox, LibreOffice Writer, LibreOffice Calc, LibreOffice Impress, a shopping bag, Amazon, a wrench and gear, a terminal icon, and a trash can. The top right of the window shows system status icons (network, Bluetooth, mail, volume) and the time '3:36 AM'.

```
root@ubuntu: /home/jay# sudo /etc/init.d/xinetd restart
xinetd stop/waiting
xinetd start/running, process 2782
root@ubuntu: /home/jay#
```

The image displays two screenshots of a virtual machine environment, specifically Ubuntu 64-bit (2) running on VMware Workstation 16 Player. The top screenshot shows the terminal output of the 'ifconfig' command for the 'eth0' interface, indicating it is up and running with an IP address of 192.168.1.100. The bottom screenshot shows the terminal output of the 'ifconfig' command for the 'eth0' interface, indicating it is up and running with an IP address of 192.168.1.100. The terminal also shows the output of the 'ip netns exec' command, which is used to execute commands within a specific network namespace. The output of this command shows the 'eth0' interface is up and running with an IP address of 192.168.1.100. The terminal also shows the output of the 'ip netns exec' command, which is used to execute commands within a specific network namespace. The output of this command shows the 'eth0' interface is up and running with an IP address of 192.168.1.100.