**CS3377.0W1 Week 4 Lab 2**

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**(Documentation with Terminal Log)**

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│ • MobaXterm 20.2 • │

│ (SSH client, X-server and networking tools) │

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│ → SSH session to dtp180003@cslinux1.utdallas.edu │

│ • SSH compression : v │

│ • SSH-browser : v │

│ • X11-forwarding : v (remote display is forwarded through SSH) │

│ • DISPLAY : v (automatically set on remote server) │

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│ → For more info, ctrl+click on help or visit our website │

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1. **Use grep to display lines with ‘model’**

{cslinux1:~} grep model /proc/cpuinfo

model : 45

model name : Intel(R) Xeon(R) CPU E5-2630 0 @ 2.30GHz

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1. **Display number of lines with ‘Remote’**

{cslinux1:~} grep Remote /etc/services -c

202

1. **Display number of lines with string (and word) ‘send’**

{cslinux1:~} grep send /etc/services -c

17

{cslinux1:~} grep send /etc/services -c -w

13

1. **Display number of lines with ‘send’ ignoring case**

{cslinux1:~} grep -i send /etc/services -c

19

1. **Display number of lines without ‘send’**

{cslinux1:~} grep -i send /etc/services -v -c

11157

1. **Display lines containing ‘send’ and their corresponding line numbers**

{cslinux1:~} grep -i send /etc/services -n

37:msp 18/tcp # message send protocol (historic)

38:msp 18/udp # message send protocol (historic)

609:mpm-snd 46/tcp # MPM [default send]

610:mpm-snd 46/udp # MPM [default send]

763:send 169/tcp # SEND

764:send 169/udp # SEND

963:srssend 362/tcp # SRS Send

964:srssend 362/udp # SRS Send

1368:sift-uft 608/tcp # Sender-Initiated/Unsolicited File Transfer

1369:sift-uft 608/udp # Sender-Initiated/Unsolicited File Transfer

1567:netviewdm2 730/tcp # IBM NetView DM/6000 send/tcp

1568:netviewdm2 730/udp # IBM NetView DM/6000 send/tcp

1584:tell 754/udp # send

1657:ideafarm-door 902/udp # self documenting Door: send 0x00 for info

1659:ideafarm-panic 903/udp # self documenting Panic Door: send 0x00 for info

3558:#ipsendmsg 1992/tcp # IPsendmsg

3559:#ipsendmsg 1992/udp # IPsendmsg

9179:skip-cert-send 6456/tcp # SKIP Certificate Send

9180:skip-cert-send 6456/udp # SKIP Certificate Send

1. **Display 10 lines (head) containing word ‘27’**

{cslinux1:~} grep -r 27 /usr/share/ -w | head

Binary file /usr/share/plymouth/themes/charge/background-tile.png matches

/usr/share/gtk-doc/html/libbonobo/libbonobo-bonobo-persist-file.html:<a name="id3180905"></a><p class="title"><b>Example 27. Chaining to a <span class="type">PersistStream</span> implementation</b></p>

/usr/share/gtk-doc/html/libbonobo/libbonobo-bonobo-persist-file.html:27

/usr/share/gtk-doc/html/libbonobo/libbonobo-faq.html:<a name="id3188416"></a><a name="id3188418"></a><p><b>27.</b></p>

Binary file /usr/share/gtk-doc/html/libbonobo/running-context.png matches

/usr/share/gtk-doc/html/libbonobo/libbonobo-bonobo-persist-stream.html:27

/usr/share/gtk-doc/html/libbonobo/libbonobo-bonobo-property-bag.html:27

/usr/share/gtk-doc/html/harfbuzz/plans-and-caching.html:<meta name="generator" content="GTK-Doc V1.27.1 (XML mode)">

/usr/share/gtk-doc/html/harfbuzz/plans-and-caching.html:<hr>Generated by GTK-Doc V1.27.1</div>

/usr/share/gtk-doc/html/harfbuzz/harfbuzz-hb-uniscribe.html:<meta name="generator" content="GTK-Doc V1.27.1 (XML mode)">

1. **Display number of times word ‘27’ occurs in files at least once (all files minus files with count of 0)**

{cslinux1:~} grep -rcw 27 /usr/share/ | grep -vc 0

grep: /usr/share/polkit-1/rules.d: Permission denied

14686

{cslinux1:~}