

Shared File Between Fedora Linux and Windows

Mohammad Mohyee Bani Odeh

201920057

Teacher: [Mr. Allam Abu Moais](https://portal.aaup.edu/faces/ui/pages/student/schedule/index.xhtml?javax.faces.Token=1673860386295)

Supervisor: Sajeda Abu Alhaija

By using Samba package I can share a directory between the windows and fedora Linux , where Samba is the standard Windows interoperability suite of programs for Linux and Unix.

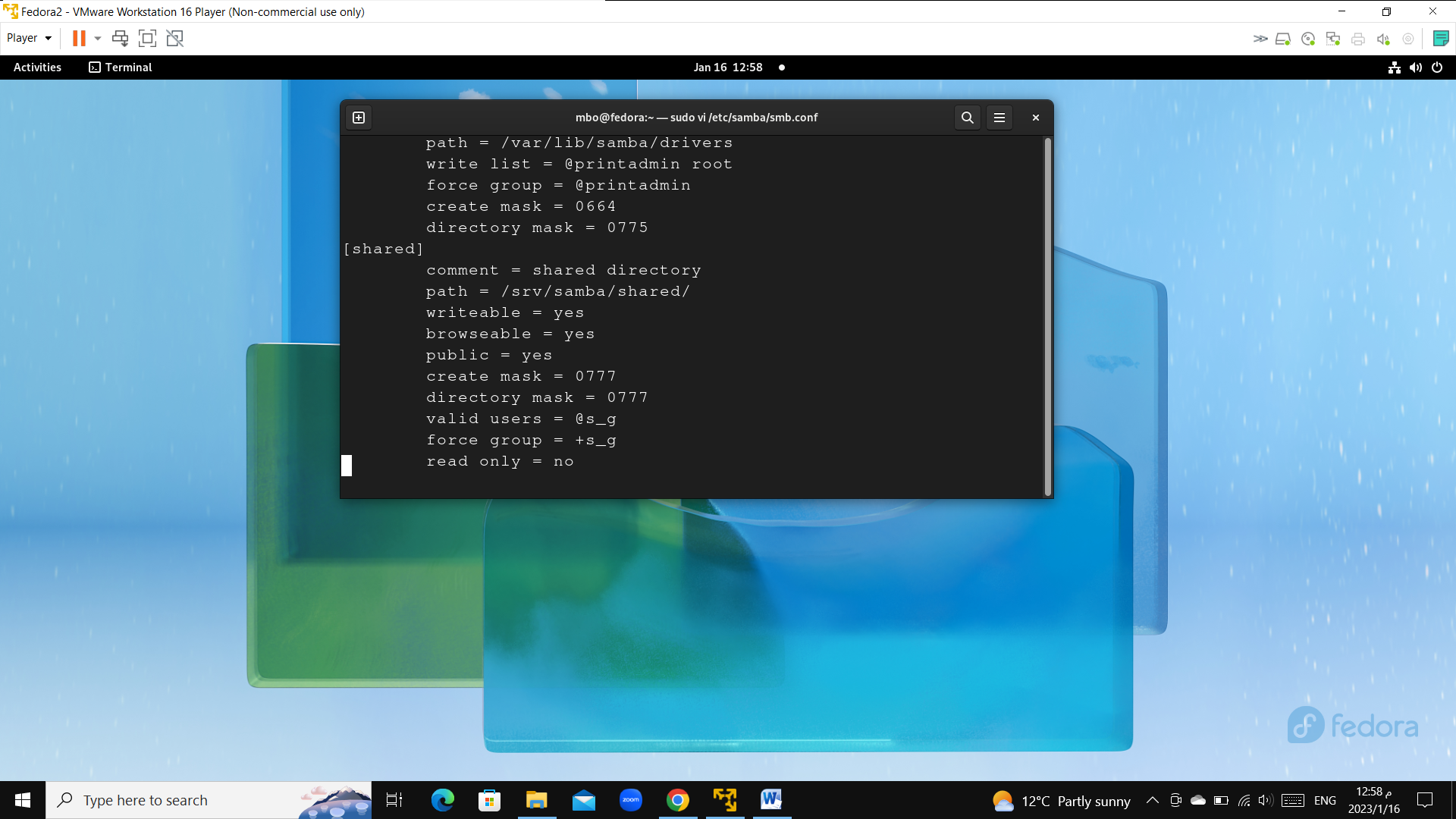
To install samba I have used **dnf** command (Dandified yum),which is an enhancement of yum command in red-hat to manage the packages from installing to removing.

Samba has two key programs smb and nmb, where smb stand for Server Message Block, is a protocol for sharing files, printers, serial ports, and communications abstractions such as named pipes and mail slots between computers. While nmb NetBIOS name server, at boot time by default.

Table od the command I have used (note I typed these as a limited user $):

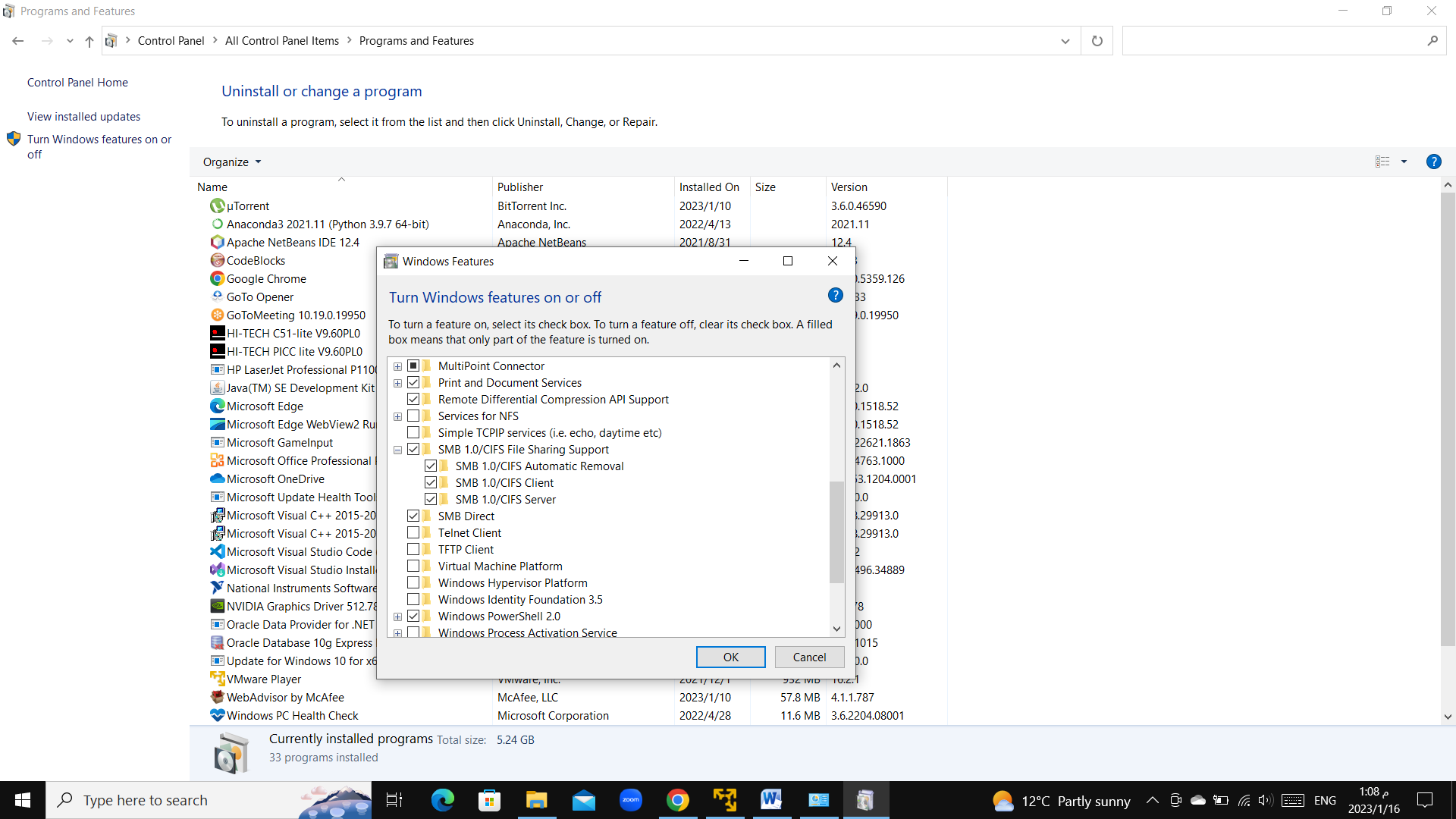
|  |  |
| --- | --- |
| Command name | What it does |
| Sudo dnf install (package name) | It install packages |
| Sudo semanage fcontext –add –type ”type” “location of the file” | used to change the SELinux context of files. When using targeted policy, changes are written to files located in the /etc/selinux/targeted/contexts/files/ directory |
| Sudo restorecon -v file-name| directory-name | Command to apply the context changes. |
| Sudo smbpasswd -a username | It add the user to the samba server. |
| Sudo firewall-cmd --get-active-zones  sudo firewall-cmd --permanent --zone=FedoraWorkstation --add-service=samba  sudo firewall-cmd --reload | Here we have configure the firewall for the samba server. |
| sudo systemctl enable smb(or nmb) --now | To enable the smb or nmb protocols. |
| sudo systemctl start smb(or nmb) --now | To start the smb server. |
| Sudo vi /etc/ samba/smb.conf | Here we open the file smb.conf to configure the shared directory. |

Configuration:



Then comes the next steps:

1. check the windows features to see if the smb is on or not:



1. to let the guest network option on

