# 1. What is samba

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| **Samba** is an [open source](https://www.computerhope.com/jargon/o/opensour.htm) program that allows end-users utilizing [SMB](https://www.computerhope.com/jargon/s/smb.htm)/[CIFS](https://www.computerhope.com/jargon/c/cifs.htm) clients to access files, [printers](https://www.computerhope.com/jargon/p/printer.htm) and other commonly shared network resources. Samba is commonly used on Linux computers, allowing the network shares to be accessed by other computers, such as those running [Microsoft](https://www.computerhope.com/comp/msoft.htm) Windows.  **Server Message Block, SMB** is a common network communications method used on [Microsoft](https://www.computerhope.com/comp/msoft.htm) [operating systems](https://www.computerhope.com/jargon/o/os.htm) allowing those computers to communicate with other SMB computers  **Common Internet File System**, **CIFS** is a [protocol](https://www.computerhope.com/jargon/p/protocol.htm) developed by [Microsoft](https://www.computerhope.com/comp/msoft.htm) that runs over [TCP/IP](https://www.computerhope.com/jargon/t/tcpip.htm) and allows multiple platforms to share files with millions of other users at a time |

## 1.2.Install

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| https://rbgeek.wordpress.com/2012/05/25/how-to-install-samba-server-on-centos-6/ |

# 2.Samba config

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| #======================= Global Settings =====================================    [global]  workgroup = WORKGROUP  server string = Samba Server Version %v  unix charset = UTF-8  ; netbios name = MYSERVER    ; interfaces = lo eth0 192.168.12.2/24 192.168.13.2/24  ; hosts allow = 127. 192.168.12. 192.168.13.  hosts allow = 172.23.242.  ……  # ----------------------- Standalone Server Options ------------------------  security = user  passdb backend = tdbsam  map to guest = bad user  …..  #----------------------------- Name Resolution -------------------------------  wins support = yes  ….  #============================ Share Definitions ==============================    ………..  [encoding]  path = /NAS\_INGEST01/cms/encoding/  writable = yes  guest ok = yes  create mode = 0777  directory mode = 0777  browsable =yes  read only = no  # any name you like  [repository]  comment = Anonymous File Server Share  path = /NAS\_INGEST01/cms/repository/asset/  writable = yes  guest ok = yes  create mode = 0777  directory mode = 0777  browsable =yes  read only = no |

# 3. Test Samba

## 3.1. Test config:

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| # testparm  Load smb config files from /etc/samba/smb.conf  rlimit\_max: increasing rlimit\_max (1024) to minimum Windows limit (16384)  Processing section "[homes]"  Processing section "[printers]"  Processing section "[encoding]"  Processing section "[repository]"  Loaded services file OK.  Server role: ROLE\_STANDALONE  Press enter to see a dump of your service definitions  ….. |

## 3.1. Share folder from linux to windows:

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| Navigate from windows to: 10.60.70.200:  \\10.60.70.200 |

# Test command in Linux server

/usr/bin/smbclient -L host