

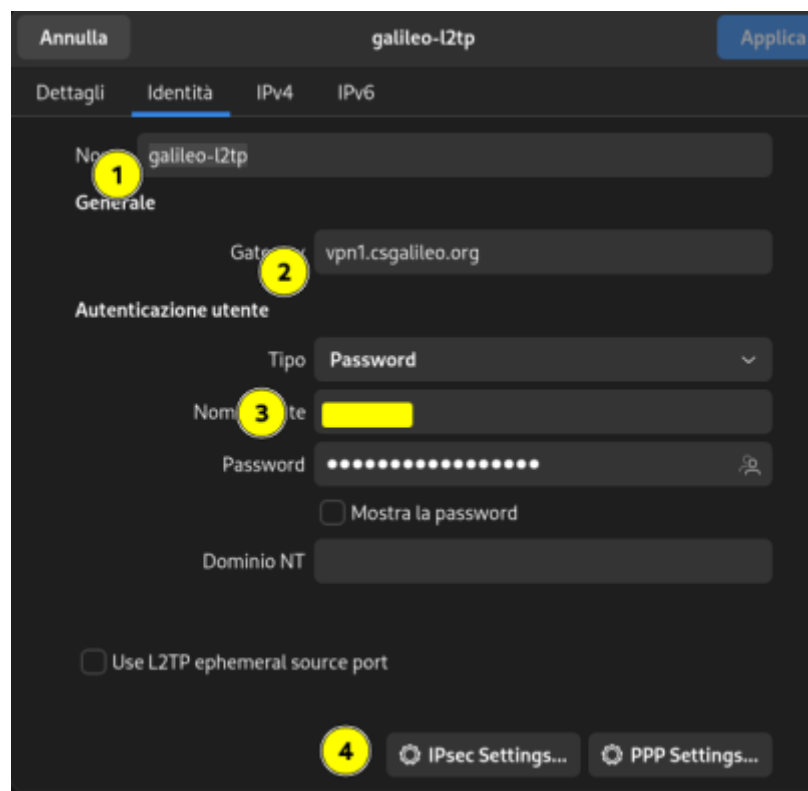
VPN Galileo

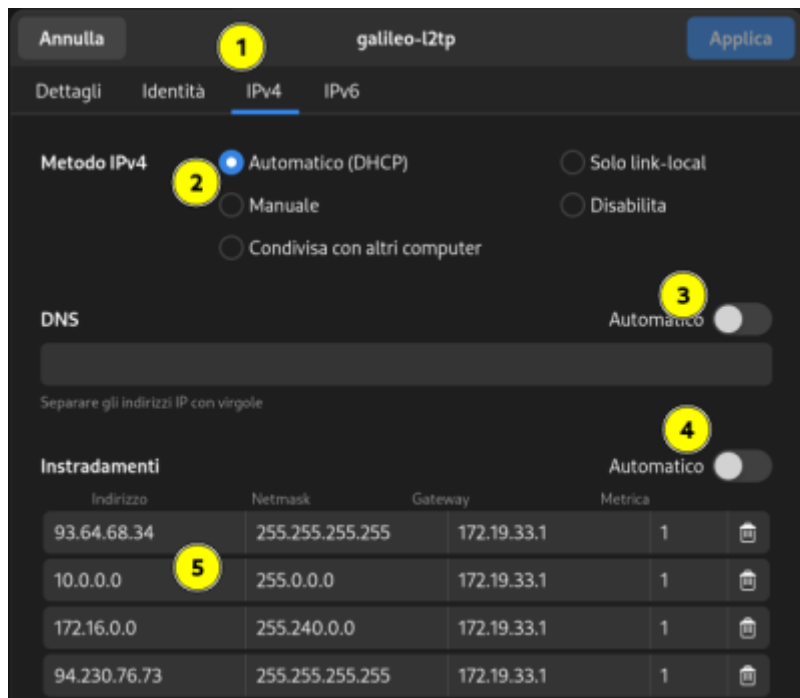
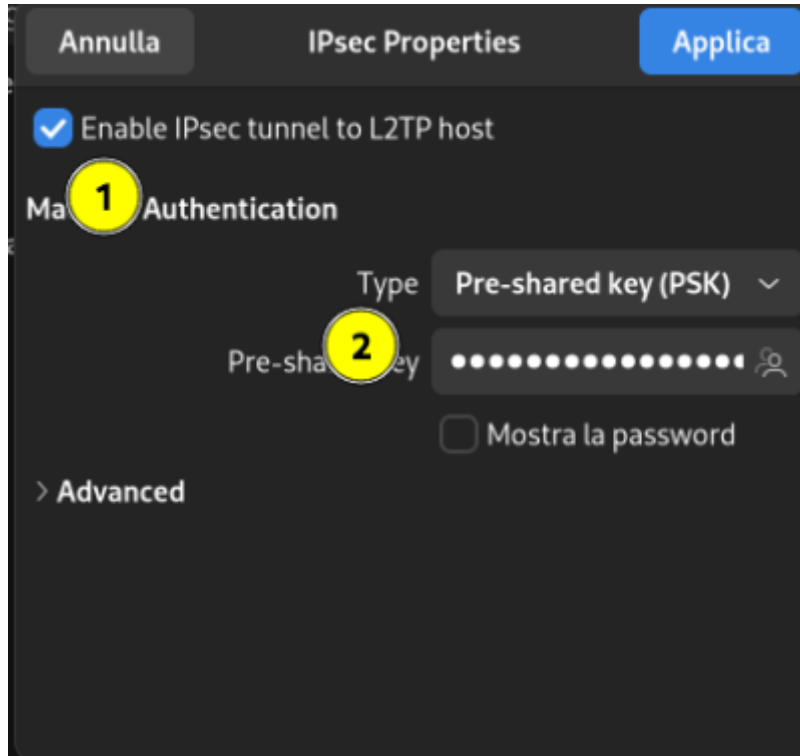
VPN PPTP/L2TP:

- indirizzo server concentratore: vpn1.csgalileo.org
- username e password

```
yay -S networkmanager-l2tp networkmanager-strongswan
```

aggiungere vpn L2TP





pptp manual

</etc/NetworkManager/system-connections/galileo.nmconnection>

```
[connection]
id=galileo
uuid=97852b85-b57b-4b38-9687-d919f2820e57
type=vpn
autoconnect=false
```

```
permissions=user:scipio;;
timestamp=1623922800

[vpn]
gateway=94.230.76.2
mru=1400
mtu=1400
password-flags=0
user=xxx
user-auth-type=password
service-type=org.freedesktop.NetworkManager.l2tp

[vpn-secrets]
password=xxx

[ipv4]
dns-search=
ignore-auto-dns=true
method=auto

[ipv6]
addr-gen-mode=stable-privacy
dns-search=
method=disabled

[proxy]
```

```
chmod 600 /etc/NetworkManager/system-connections/galileo.nmconnection
```

change:

- permissions=user:scipio;; (this is local linux user)
- user=xxx
- password=xxx

pptp GUI

Installare il package networkmanager-pptp

Aggiungere una VPN pptp

VPN galileo

Annulla Applica

Dettagli Identità IPv4 IPv6

Nome

Generale

Gateway

Autenticazione utente

Tipo Password

Nome utente

Password

Mostra la password

Dominio NT

[IPsec Settings...](#) [PPP Settings...](#)

galileo pptp

Annulla Applica

Dettagli Identità IPv4 IPv6

DNS Automatico

Separare gli indirizzi IP con virgole

Instradamenti Automatico

Indirizzo	Netmask	Gateway	Metrica	
93.64.68.34	255.255.255.255	172.19.33.1	1	
10.0.0.0	255.0.0.0	172.19.33.1	1	
172.16.0.0	255.240.0.0	172.19.33.1	1	

Usare questa connessione solo per risorse nella sua rete

galileo openvpn

Server certificate

ca.crt

```
-----BEGIN CERTIFICATE-----
MIIDVDCCAjygAwIBAgIiK+uSMAP/qZcwDQYJKoZIhvcNAQELBQAwHDEaMBGGA1UE
AwwRQ0E+VlB0Q090Qy1NRVVDQ0kwHhcNMjEwNzE1MTAxOTQwWhcNMjEwNzE1MTAx
OTQwWjAcMR0wGAYDVQQDDDBFDQS1WUE5DT05DLU1FVUNDSTCCASIdQYJKoZIhvcN
AQEBBQADggEPADCCAQoCggEBAMpvDbQaXdZ670pKiI/b5WuQa3iXxr7A9Z37Yk82
5ezrDlDpG2fzX1L7VHFwP9ICxWl5f4D54k9tf4BjSdkSprCNGZy7m6jjub/6KAQu
Oggys//Ngd8izPAWVT7DT34z5rH8uuSbM/ZpZa+w0AQEQQi3NkVL7il1dN6vBZYZ
KDynF9xoWgrFN0jnzBB+/dJE/sz6Xz+HGhfMf8sQPg2Bp0hjJNaQ+V3giRlGMQEA
r6hUwr0IYe0/fcP148eFl8pReAMwcv+Ngv3IV53iZq/DrJAWKwWwdwR4gevskVvz
UeFulcgrXN0W+lGM1JWwSwMlCR5E8Q8u/Y2l35rxl4UE7NECAwEAAoBmTCBljAP
BgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBBjAdBgNVHQ4EFgQUUGP2aPxrh
8UwB40CsmTunMwXwdjYwLgYDVR0fBCcwJTAjoCGgH4YdaHR0cDovLzk0LjIzMC43
Ni4yL2Nybc8xNC5jcmwwJAYJYIZIAYb4QgENBBcWFudlhmVyYXRlZCBieSBSb3V0
ZXJPUzANBgkqhkiG9w0BAQsFAA0CAQEAJ/9cl1glKLuvHHDXmnz17+bH5ZAWOR7g
KMjY1P2b9eK08mAAq4+Gp8/N/suiMBN6hA+WHTzbPYurXZgm1tAlI2kZE0XdLtig
o2rJ3Z24E/MuxxPGhNqe+l1Qx4v9Cp5Q98NIZh9Hl5KEV4ZvInvXbVxlz0Ssz+KN3
R9fWzZrV9KW0wfLXvPF4n/nLyVL702VDgpPaMmrShI0T0fbh90GcJ/IYDo5FN0C0
v00dg/IddWkJ0LDQLB78MXP6gXrXRhhSCosnASJyoFbX7C+2ouXDMzjDUH/bZbPI
ilkuUqzSXarAg4LqxShPRxfSnX2kUP6IXsDeonX/UwmzrzrRd+QZ2w==
-----END CERTIFICATE-----
```

GUI

ubuntu

```
sudo apt install network-manager-openvpn-gnome
sudo service network-manager restart
```

arch: pacman -S networkmanager-openvpn

add VPN connection with network manager GUI:

- type: openvpn
- gateway: **vpn1.csgalileo.org**
- user: <user>
- pass: <pass>
- CA certificate: <ca.crt>
- in advanced settings check **“Use TCP connection”**
- in route add 10.0.0.0/8 and 185.91.188.0/25

Console

```
sudo apt install openvpn
```

auth.cfg

```
<user>  
<pass>
```

openvpn.conf

```
client  
remote vpn.csgalileo.org 1194  
auth-user-pass auth.cfg  
ca ca.crt  
  
route 10.0.0.0/8 vpn_gateway 3  
route 185.91.188.32 255.255.255.224 vpn_gateway 3  
route 185.91.188.64 255.255.255.224 vpn_gateway 3  
dev tun  
proto tcp-client  
remote-cert-tls server  
persist-tun  
persist-key  
auth-nocache
```

go

```
sudo openvpn --config openvpn.conf
```

Connect with

```
./go
```

Winzozz

[c:\Program Files\OpenVPN\config\auth_galileo.cfg](#)

```
username  
password
```

[c:\Program Files\OpenVPN\config\galileo.ovpn](#)

```
client  
dev tun  
proto tcp-client  
remote-cert-tls server  
  
remote vpn.csgalileo.org 1194  
route 10.0.0.0 255.0.0.0 vpn_gateway 3  
route 185.91.188.0 255.255.255.0 vpn_gateway 3
```

```

resolv-retry infinite
nobind
persist-key
persist-tun
verb 3
auth-user-pass auth_galileo.cfg
script-security 3
<ca>
-----BEGIN CERTIFICATE-----
MIIEE3zCCA8egAwIBAgIJAKI/infDrLAoMA0GCSqGSIb3DQEBCwUAMIGlMQswCQYD
VQQGEwJJVDELMaKGA1UECBMVLiXzDzANBgNVBACTBZlcm9uYTEQMA4GA1UEChMH
R2FsaWxlbzEQMA4GA1UECXMHR2FsaWxlbzETMBEGA1UEAxMKR2FsaWxlbzBDQTEQ
MA4GA1UEKRMHRWFzeVJTQTEtMCsGCSqGSIb3DQEJARYec3RlZmFuby5zY2lwaW9u
aUBjc2dhdGlsZW8ub3JnMB4XDTE3MDMyMjE1MDQ0NFoXDTI3MDMyMDE1MDQ0NFow
gaUxCzAJBgNVBAYTAklUMQswCQYDVQIQIEwJWUjEPMA0GA1UEBxMGVmVyb25hMRAw
DgYDVQQKEwdHYWxpbGVvMRAwDgYDVQQLEwdHYWxpbGVvMRAwEQYDVQQDEwpHYWxpb
bGVvIENBMRAwDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZIhvcNAQkBFh5zdGVmYW5v
LnNjaXBpb25pQGZzZ2FsaWxlbz5vcmcwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw
ggEKAoIBAQDgXkb1DORrR5kZhTz1oj4ronvQaU8oyBc71y5oxp70XwIEQkw+87WT
lgfeT8fwqec6KIjQr6SJOHmMIDphYifN1gwseJ4rtLf33WZ0sWgWN0eLjxcn354g
M26pWJt3ETP3THUu4dK4Y6T7t7dFJiaIZ0jRg15EIKHsfMZDYRtcl5Sc0EBw4G32
TndnWsy+vJRocM0zknIUdNnI1GJh3M0LK+/nsk0AJ022+vmYJcE3fMsjho2zJgB
qUteWn5pBZm91Q2KQa5W50QYVNP4wBopQHXhhEXGDDwm+iQsqjBQVK39TQDwBGS
foMxbPZwr17pJGbhHGvNm8DP+XnTltFagMBAAGjggEOMIIBCjAdBgNVHQ4EFgQU
6kM1PE0CDJ+cqiazQu70mrXni+AwgdoGA1UdIwSB0jCBz4AU6kM1PE0CDJ+cqiaz
Qu70mrXni+ChgaukgagwgaUxCzAJBgNVBAYTAklUMQswCQYDVQIQIEwJWUjEPMA0G
A1UEBxMGVmVyb25hMRAwDgYDVQQKEwdHYWxpbGVvMRAwDgYDVQQLEwdHYWxpbGVv
MRAwEQYDVQQDEwpHYWxpbGVvIENBMRAwDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZI
hvcNAQkBFh5zdGVmYW5vLnNjaXBpb25pQGZzZ2FsaWxlbz5vcmeCCQCiP4p3w6yw
KDAMBgNVHRMERTADAQH/MA0GCSqGSIb3DQEBCwUAA4IBAQAyKf801NFJD0G5bJNn
hy4R7qStYnbELKFosI1KJ40z+ibYZxA0C0yURpacJq9NPYAS/P8SA4LHDjhe3ZIQ
kNGq1ZxCHISGWhagHFDHru2ct4nKtyEFSAzzy7UANQITeTBZKejDENWncdb41+VA
fJR0m801kj3+Kn0Zpwn126pp8/at3oyC4RMXM2FEztege5J93ZfogW/MuNyL4Jlv
iCGKzo/9UtjUGiHbuxUv75SimWYB40AhrYR1t0sMLLJU7Bu012PEmxyK6G1zJuBC
3/YQ9xlWkXlbp1E030vBMCRp1AnJRsznZATBB4xnJ55ZPG6tEqCVS72j2fKMnCa2
vLW7
-----END CERTIFICATE-----
</ca>

```

Lavagno

[lavagno.pem](#)

```

-----BEGIN CERTIFICATE-----
MIIGATCCA+mgAwIBAgIJALHdThMpwfEhMA0GCSqGSIb3DQEBCwUAMIGWMQswCQYD
VQQGEwJJVDE0MAwGA1UECAwFSXRhbHkxZDzANBgNVBACMBZlcm9uYTEXEMBUGA1UE
Cgw0Q29tdW5lIEExhdmFnbm8xHjAcBgNVBAMMFw5hdmFnbm8uY3NnYWxpbGVvLm9y

```

```
ZzEtMCsGCSqGSiB3DQEJARYec3RlZmFuby5zY2lwaW9uaUBjc2dhdGlsZW8ub3Jn
MB4XDTE3MDIwODEzMDIwNjEzMDEzN1owgZYxCzAJBgNVBAYTAKlU
MQ4wDAYDVQQIDAVJdGFseTEPMA0GA1UEBwwGVmVyb25hMRcwFQYDVQQKDA5Db211
bmUgTGF2YWdubzEeMBwGA1UEAwwVbGF2YWdubzEjY2dhdGlsZW8ub3JnMS0wKwYJ
KoZiHvcNAQKBFBh5zdGVmYW5vLnNjYXBpb25pQGNzZ2FsaWxlb3VvcmcwGgiMA0G
CSqGSiB3DQEBAAQAA4ICDwAwggIKAoICAQCysUSjvroVYifgpS2Yc5q97GzLFUzW
9Fu04IZqrVXE8Mz8hsCsaGql0MmeMo7Y4TFL9gb6IvAv655mCRY3l3KzRzcyg94f
g4VB2SqjU3DhDtzZBUrBWo1v9P5oidftxVQbyUrrRJ6QUhlj4Ue1BZWUNd8ViT09
xtnxUb8bz9XPxsf+GUajpA4w2cRGMX3N537dSYujcwSEsRTYndJubPDKcVJ6/3db
oLH6Y3pB4o/K9/Mtt0GwRmeJIMsgxFxV/qlhEXQxNrwZ0d9dpZvs83J0z+mHdd9j
36IBScGNQRHz+UcS0uek7YlgsP/bxiE0ra1D22ZdE0620fMfXoupNEV1B/4CgmhS
IOTpJcRjKfPHmfp0pbDcIgw3QEmXcrW9K/sXihk5c7vN2mbiUyWt06/Ihc8xmLut
8Ilgvh1KSQ02IN9i0bv4KAxL5dVZXmtku6H9LG6UfX/QxCg4/LH2RzwZc00A135R
3zn7Fy0UKnvWrUuG/0hIiCoS4AgpTTiC9DCI5bA/Yks0n8vz1SIklZ/vkjJ4LuxF
JkBgBCVl4b8oh0XR5Ecq1Q3Ai1AR/8n4b9ho50wqhioekRSQ6WjHLLn9XYQrEdCN
PXxulxnK7eiQtYD6Zn5A8MSvmfqUQ80Q0sbMg05YUt0lMxSX6qbZnItF76KYWSbD
72PFSDV24Lrg3wIDAQBo1AwTjAdBgNVHQ4EFgQUdke3u6KNfH6n+1S0wmUmWsB8
h18wHwYDVR0jBBgwFoAUDke3u6KNfH6n+1S0wmUmWsB8h18wDAYDVR0TBAAUwAwEB
/zANBgkqhkiG9w0BAQsFAA0CAgEArtRfwcY2gER3s8uABZBWte0o5QMDVnbFwWdk
TE1kny0mhUj4tLv0s+sEjP4DHQRnKPpL86tccn3Z4ydS5mKNbbq1mNaslzvl66Zr
fdhExA3uahUexo8wJ8BXL3b7YdQ/AP6kIh2eZ0slptj+BKzqQKqFKy9mqdv9jXM/
cseT6+zdt258u8dSSGDrBj/87f1HTUYt1wcjcN0g8l5v0x0YrcsjyBw/i6hkVZWy
bkByUTzuQSEJNZZwv7SHIDLZlXmL0Sw1EoucrmxZAB2EsRLQfivbl536a711mgr8
DNof7+ttWpFBFB+U+G1ipDNhiBiAkhLJMSL7vB5JHcu/YLUgZiVXz0mD1YI812PJ
wECAq7VfbdNb9kzkpTMTAZqtWg60h1wq+zS094VkNTvS0/Dy8dtukA3BMkI/bwY
fLAfq78Miu6KglFmJF2VSifxW7zynNIVE0DtXGmUOR16FKJfdwNXTzpmMznPviRz
YNmyA6A0gwPolKfweFsRth0oKdQyZqy0ZeriKoHB0WxkDH26MqMBLNMAzPodORbK
YrXpcmIEOYSwJnMtW+rqfniH5mCYvq/SU+csDZr7uWgSMcY3im40f30JJ+ndYyig
aBZVSFSow2dELbQdqo1aA/JR1hUk05NExE6KAic4JNrMzD4b4HxMPcc/yuYLKDb3
Hd9TG/E=
-----END CERTIFICATE-----
```

add VPN connection with network manager GUI:

- type: openvpn
- gateway: **lavagno.csgalileo.org**
- user: galileo
- pass: <pass>
- CA certificate: <lavagno.pem>
- in advanced settings check **“Use TCP connection”**

From: <https://wiki.csgalileo.org/> - Galileo Labs

Permanent link: <https://wiki.csgalileo.org/tips/vpn/galileo?rev=1680687425>

Last update: **2023/04/05 11:37**

