

VPN Galileo

VPN PPTP:

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

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
```

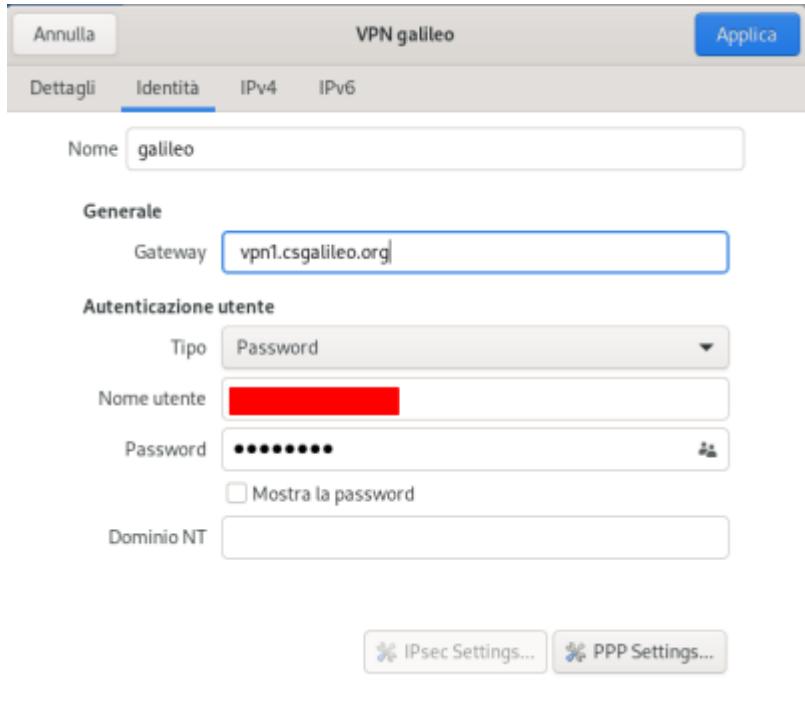
change:

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

pptp GUI

Installare il package networkmanager-pptp

Aggiungere una VPN pptp



Annnulla **galileo pptp** **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	<input type="button" value="..."/>
10.0.0.0	255.0.0.0	172.19.33.1	1	<input type="button" value="..."/>
172.16.0.0	255.240.0.0	172.19.33.1	1	<input type="button" value="..."/>
				<input type="button" value="..."/>

Usare questa connessione solo per risorse nella sua rete

galileo openvpn

Server certificate

[ca.crt](#)

```
-----BEGIN CERTIFICATE-----
MIIDVDCCAjygAwIBAgIICK+uSMAP/qZcwDQYJKoZIhvcNAQELBQAwHDEaMBgGA1UE
AwwRQ0EtVlBOQ090Qy1NRVVDQ0kwHhcNMjEwNzE1MTAxOTQwWhcNMjIwNzE1MTAx
OTQwWjAcMRowGAYDVQQDBFDQS1WUE5DT05DLU1FVUNDSTCCASIwDQYJKoZIhvcN
AQEBBQADggEPADCCAQoCggEBAMpvDbQaXdZ670pKiI/b5WuQa3iXxr7A9Z37Yk82
5ezrDlDpG2fzX1L7VHFwP9ICxWl5f4D54k9tf4BjSdksprCNGZy7m6jjub/6KAQu
0gqys//Ngd8izPAWVT7DT34z5rH8uuSbM/ZpZa+W0AQEQQi3NkVL7il1dN6vBZYz
KDynF9xoWgrFN0jnzBB+/dJE/sz6Xz+HGhfMf8sQPg2Bp0hjJNaQ+V3giRlGMQEAr
6hUwrO1Ye0/fcP148eFl8pReAMwcw+Nvg3IV53iZq/DrJAWKwWwdwR4gevskVvz
UefulgcrXN0W+lGM1JWwSwM1CR5E8Q8u/Y2l35rxl4UE7NECAwEAAaOBmTCBljAP
BgNVHRMBAf8EBTADAQH/MA4GA1UdDwEB/wQEAwIBBjAdBgNVHQ4EFgQUGP2aPxrh
8UwB40CsmtunMwXwdjYwLgYDVR0fBCcwJTAjoCGggH4YdaHR0cDovLzk0LjIzMC43
Ni4yL2Nybc8xNC5jcmwwJAYJYIZIAyB4QgENBBCwFUdlbmVyYXRlZCBieSBsB3V0
ZXJPUzANBgkqhkiG9w0BAQsFAAOCAQE AJ/9cl1glKLuvHHDxmznz1+bH5ZAW0R7g
KMjY1P2b9eK08mAQ4+Gp8/N/suiMBN6hA+WhtzbPYurXZgm1tAlI2kZE0XdLti
o2rJ3Z24E/MuxxPGhNQe+l1Qx4v9Cp5Q98NIZh9Hl5KEV4ZvInvXbVxlzOSz+KN3
R9fWzZrV9KW0WfLXvPF4n/nLyVL702VDgpPaMmrShI0T0fbh90GcJ/IYDo5FN0C0
```

```
v00dg/IddWkJ0LDQLB78MXP6gXrXRhhSCosnASJyoFbX7C+2ouXDMzjDUH/bZbPI  
ilkuUqzSXarAg4LqxShPRxfSnX2kUP6IXsDeonX/UwmzrztRd+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-----  
MIIE3zCCA8egAwIBAgIJAKI/infDrLAoMA0GCSqGSIb3DQEBCwUAMIGlMQswCQYD  
VQQGEwJJVDELMkGA1UECBMCVlIxDzANBgNVBAcTB1Zlcmt9uYTEQMA4GA1UEChMH  
R2FsaWxlbzEQMA4GA1UECxMHR2FsaWxlbzETMBEGA1UEAxMKR2FsaWxlbyBDQTEQ  
MA4GA1UEKRMHRWFzeVJTQTEtMCsGCSqGSIb3DQEJARYec3RlZmFuby5zY2lwaW9u  
aUBjc2dhbGlsZW8ub3JnMB4XDTE3MDMyMjE1MDQ0NFoXDTI3MDMyMDE1MDQ0NFow  
gaUxCzAJBgNVBAYTAKlUMQswCQYDVQQIEwJWUjEPMA0GA1UEBxMGVmVyb25hMRAw  
DgYDVQQKEwdHYWxpbgVvMRAwDgYDVQQLEwdHYWxpbgVvMRMwEQYDVQQDEwpHYWxp  
bGVvIENBMRAwDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZIhvNAQkBh5zdGVmYW5v
```

```

LnNjaXBpb25pQGNzZ2FsaWx1by5vcmcwggEiMA0GCSqGSIB3DQEBAQUAA4IBDwAw
ggEKAoIBAQDgxKb1D0RrR5kZhTz1oj4ronvQaU8oyBc71y5oxp70XwIEQkW+87WT
lgfeT8fwqec6KIjQr6SJ0hMmIDphYifN1gwseJ4rtLf33WZOsWgWN0eLjxcn354g
M26pWJt3ETP3THUu4dK4Y6T7t7dFJiaIZ0jRg15EIKHsfMZDYRtc15Sc0EBw4G32
TndnWsy+vJRocM0zkniuDnNnI1GJh3M0LK+/nsk0AJ022+vmYJcE3fMsjh02zJgB
qUteWn5pBZm91Q2KQa5W50QYVNPA4wbopQHxhhEXGDDwm+iQsqjBQVK39TQDwBGS
foMxbPZwr17pJGhhhHGVNm8DP+XnTltFAgMBAAGjggEOMIIBCjAdBgNVHQ4EFgQU
6kM1PE0CDJ+cqiazQu70mrXni+AwgdoGA1UdIwSB0jCBz4AU6kM1PE0CDJ+cqiaz
Qu70mrXni+ChgaukgagwgaUxCzAJBgNVBAYTAKlUMQswCQYDVQQIEwJWUjEPMA0G
A1UEBxMGVmVyb25hMRAwDgYDVQQKEwdHYWxpbgVvMRAwDgYDVQQLEwdHYWxpbgVv
MRMwEQYDVQQDEwpHYWxpbgVvIENBMRawDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZI
hvcNAQkBFh5zdGVmYW5vLnNjaXBpb25pQGNzZ2FsaWx1by5vcmeCCQCiP4p3w6yw
KDAMBgNVHRMEBTADAQH/MA0GCSqGSIB3DQEBCwUA4IBAQAYKF801NFJD0G5bJNn
hy4R7qStYnbELKFosI1KJ40z+ibYZxAOC0yURpacJq9NPYAS/P8SA4lHDjhe3ZIq
kNGq1ZxCHIsGWhagHFDHru2ct4nKtyEFSAzzy7UAnQITeTBZkEjDENWncdb41+VA
fJRoM801kj3+Kn0Zpwn126pp8/at3oyC4RMXM2FEztege5J93ZfogW/MuNyL4Jlv
iCGKzo/9UtjUGiHbuxUv7SimWYB40AhrYR1t0sMLLJU7Bu012PEmxeyK6G1zJuBC
3/YQ9xlWkXlbp1E030vBMCRp1AnJRsznZATBB4xnJ55ZPG6tEqCVS72j2fKMnCa2
vlW7
-----END CERTIFICATE-----
</ca>

```

Lavagno

[lavagno.pem](#)

```

-----BEGIN CERTIFICATE-----
MIIGATCCA+mgAwIBAgIJALHdThMpwfEhMA0GCSqGSIB3DQEBCwUAMIGWMQswCQYD
VQQGEwJJVDE0MAwGA1UECAwFSXRhbHkxDzANBgNVBAcMB1Zlcm9uYTEXMBUGA1UE
Cgw0Q29tdW5lIEExhdFnbm8xHjAcBgNVBAMMFwxdhmFnbm8uY3NnYWxpbgVvLm9y
ZzEtMCsGCSqGSIB3DQEJARYec3RlZmFuby5zY2lwaW9uaUBjc2dhbGlsZW8ub3Jn
MB4XDTE3MDIwODEzMDEzN1oXDTI3MDIwNjEZMDEzN1owgZYxCzAJBgNVBAYTAKlU
MQ4wDAYDVQQIDAVJdGFseTEPMA0GA1UEBwwGVmVyb25hMRcwFQYDVQQKDA5Db211
bmUgTGF2YWhubzEeMBwGA1UEAwvBbGF2YWhuby5jc2dhbGlsZW8ub3JnMS0wKwYJ
KoZIhvcNAQkBFh5zdGVmYW5vLnNjaXBpb25pQGNzZ2FsaWx1by5vcmcwggIIiMA0G
CSqGSIB3DQEBAQUAA4ICDwAwggIKAoICAQCysUSjvrvYifgpS2Yc5q97Gz1FUZw
9Fu04IZqrVXE8Mz8hsCsaaGql0MmeMo7Y4TFL9gb6IvAv655mCRY3l3KzRzcyyg94f
g4VB2SqjU3DhDtzbZUrBW01v9P5oidftxVQbyUrrRJ6QUhlj4Ue1BZWUND8ViT09
xtnxUb8bz9XPxs+fGUajpA4w2cRGMX3N537dSYujcwSEsRTYndJubPDKcVJ6/3db
olH6Y3pB4o/K9/Mtt0GwRmeJIMsgxFxV/qhLEXQxNrwZ0d9dpZvs83J0z+mHdd9j
36IBScGNQRHz+UcS0uek7YlgsP/bxiE0ra1D22ZdE0620fMfxoupNEV1B/4CgmhS
I0TpJcRjKfPHmf0pbDcIgw3QEmXcrW9K/sXihk5c7vN2mbiUyWt06/Ihc8xmlUt
8Ilgvh1KSQ02IN9i0bv4KAxL5dVZXmtku6H9LG6Ufx/QxCg4/LH2RzwZc00A135R
3zn7Fy0UKnvWrUuG/0hIiCoS4AgpTTIc9DCI5bA/Yks0n8vz1SIk1Z/vkjJ4LuxF
JkBgBCV14b8oh0XR5Ecq1Q3Ai1AR/8n4b9ho50wqhioekRSQ6WjHLLn9XYQrEdCN
PXxulxnK7eiQtYD6Zn5A8MSvmfqUQ80QQsbMg05YUt0lMxSX6qbZnItF76KYWSbD
72PFSDV24Lrg3wIDAQABo1AwTjAdBgNVHQ4EFgQUdke3u6KNfH6n+1S0wmUmWsB8
h18wHwYDVR0jBBgwFoAUDke3u6KNfH6n+1S0wmUmWsB8h18wDAYDVR0TBAUwAwEB

```

```
/zANBqkqhkiG9w0BAQsFAAOCAgEArtRfwcY2gER3s8uABZBwte0o5QMDVnbFxWdk  
TE1kny0mhUj4tLv0s+sEjP4DHQRnKPpL86tccn3Z4ydS5mKNbbq1mNaslzv166Zr  
fdhExA3uahUexo8wJ8BXL3b7YdQ/AP6kIh2eZ0slptj+BKzqQKgFKy9mqdv9jXM/  
cseT6+zdt258u8dSSGDrBj/87f1HTUYt1wcjcN0g8l5v0x0YrcsjyBw/i6hkVZW  
bkByUTzuQSEJNZwv7SHID1ZlXml0Sw1EoucrmxZAB2EsRLQfivbl536a711mgr8  
DNof7+ttWpFBFb+U+G1ipDNhiBiAkhLJMSL7vB5JHcu/YLUGZiVXz0mD1YI812PJ  
wECaqp7VfbdB9kzkpTMTAZqtWg60h1wq+zS094VkNTvS0/Dy8dtukA3BMkI/bwY  
fLAfq78Mi6KglFmJF2VSifxW7zynNIVe0DtXGmu0R16FKJfdwNxTZpmMznPviRz  
YNmyA6A0gwPolKfwEFsRth0oKdQyZqy0ZeriKoHB0WXkDH26MqMBLNMAzPod0RbK  
YrXpcmIE0YSwJnMtW+rqnih5mCYvq/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=1654076432>

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