

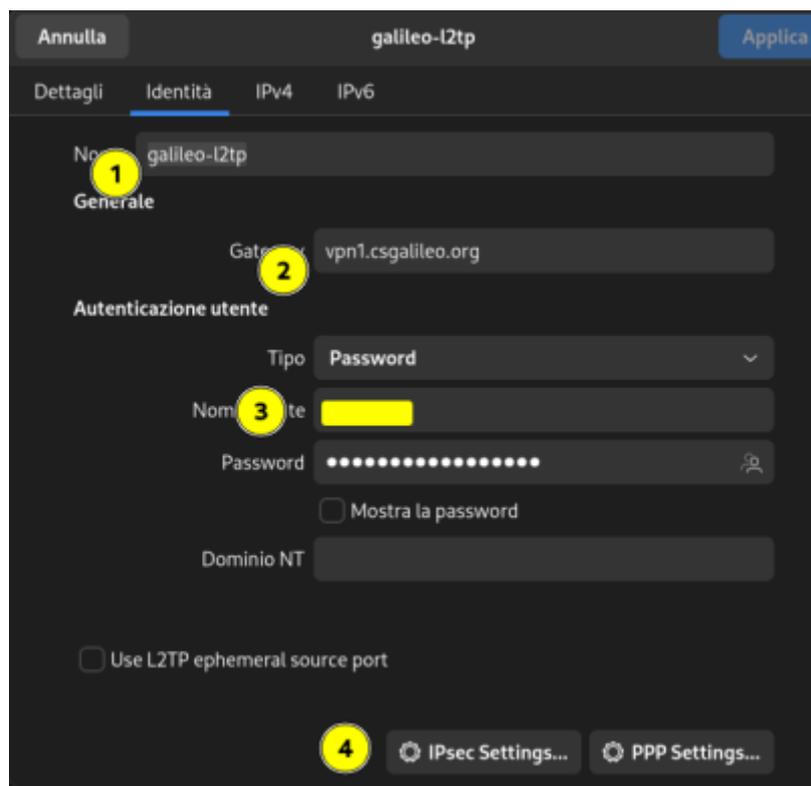
# VPN Galileo

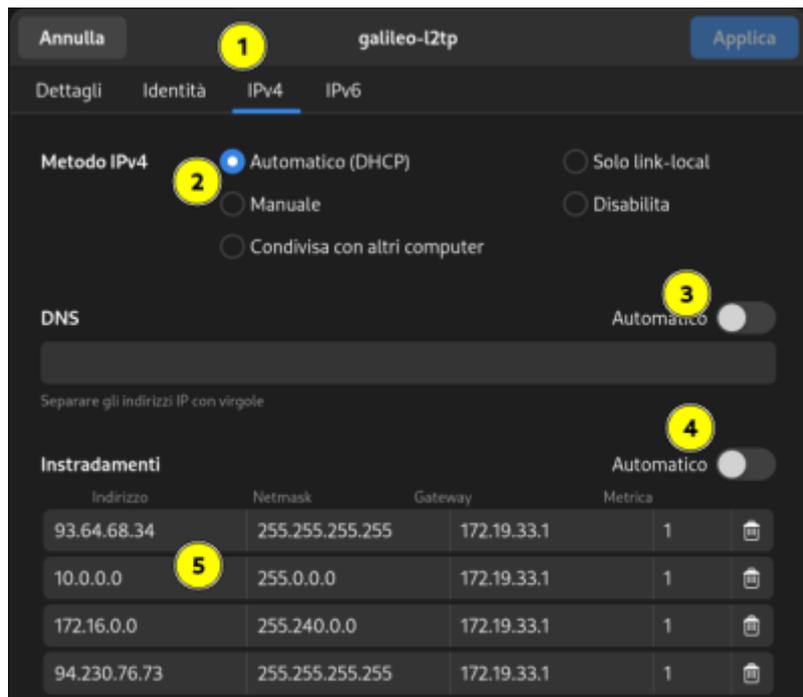
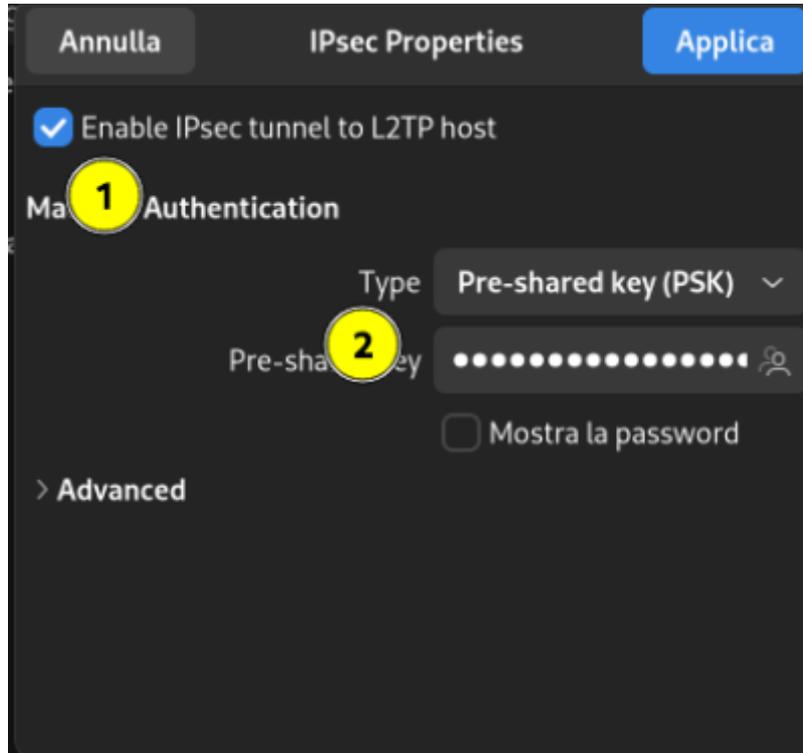
VPN PPTP/L2TP:

- 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	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	

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/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  
dev tun  
proto tcp-client  
remote vpn1.csgalileo.org  
port 1194  
nobind  
persist-key  
persist-tun  
tls-client  
remote-cert-tls server  
ca cert_export_CA-VPNCONC-MEUCCI.crt  
cert cert_export_client-VPNCONC-MEUCCI-adalcason.crt  
key cert_export_client-VPNCONC-MEUCCI-adalcason.key  
verb 1  
mute 20  
auth SHA1  
auth-user-pass login.conf  
cipher AES-256-CBC  
;cipher AES-256-GCM  
auth-retry interact  
;route-gateway 172.22.22.1  
route 10.0.0.0 255.0.0.0  
route 172.16.0.0 255.240.0.0  
route 94.230.77.0 255.255.255.0  
route 94.230.78.0 255.255.255.0  
route 94.230.79.0 255.255.255.0  
route 109.104.240.0 255.255.252.0  
route 185.91.188.0 255.255.252.0  
#log-append log.txt  
askpass chiave.config  
  
providers legacy default  
data-ciphers-fallback BF-CBC  
compat-mode 2.3.18
```

## 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
VQQGEwJJVDELMAkGA1UECBMvIExDzANBgNVBAcTBWZlcm9uYTEQMA4GA1UEChMH
R2FsaWxlbzEQMA4GA1UECXMHR2FsaWxlbzETMBEGA1UEAxMKR2FsaWxlbzBDQTEQ
MA4GA1UEKRMHRWFzeVJTQTEtMCsGCSqGSIb3DQEJARYec3RlZmFuby5zY2lwaW9u
aUBjc2dhbGlsZW8ub3JnMB4XDTE3MDMyMjE1MDQ0NFoXDTI3MDMyMDE1MDQ0NFow
gaUxCzAJBgNVBAYTAKlUMQswCQYDVQIQIEwJWUjEPMA0GA1UEBxMGVmVyB25hMRAw
DgYDVQQKEwdHYWxpbGVvMRAwDgYDVQQLLEwdHYWxpbGVvMRRMwEQYDVQQDEwpHYWxp
bGVvIENBMRAwDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZiIhvcNAQkBFh5zdGVmYW5v
LnNjaXBpb25pQGNzZ2FsaWxlbz5vcmcwggEiMA0GCSqGSIb3DQEBAQUAA4IBDwAw
ggEKAoIBAQQDgXKb1DORrR5kZhTz1oj4ronvQaU8oyBc71y5oxp70XwIEQkw+87WT
lgfeT8fwqec6KIjQr6SJ0hMmIDphYifN1gwseJ4rtLf33WZ0sWgWN0eLjxcn354g
M26pWJt3ETP3THUu4dK4Y6T7t7dFJiaIZ0jRg15EIKHs fMZDYRtcl5Sc0EBw4G32
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6kM1PE0CDJ+cqiazQu70mrXni+AwgdoGA1UdIwSB0jCBz4AU6kM1PE0CDJ+cqiaz
Qu70mrXni+ChgaukgagwgaUxCzAJBgNVBAYTAKlUMQswCQYDVQIQIEwJWUjEPMA0G
A1UEBxMGVmVyB25hMRAwDgYDVQQKEwdHYWxpbGVvMRAwDgYDVQQLLEwdHYWxpbGVv
MRRMwEQYDVQQDEwpHYWxpbGVvIENBMRAwDgYDVQQpEwdFYXN5UlNBMS0wKwYJKoZi
IhvcNAQkBFh5zdGVmYW5vLnNjaXBpb25pQGNzZ2FsaWxlbz5vcmeCCQCip4p3w6yw
KDAMBgNVHRMEBTADAQH/MA0GCSqGSIb3DQEBCwUAA4IBAQAyKf801NFJD0G5bJNn
hy4R7qStYnbELKFosI1KJ40z+ibYZxA0C0yURpacJq9NPYAS/P8SA4LHDjhe3ZIQ
```

```

kNGq1ZxCHIsGWhagHFDHru2ct4nKtyEFSAzzy7UAnQITeTBZkEjDENWncdb41+VA
fJR0M801kj3+Kn0Zpwn126pp8/at3oyC4RMXM2FEztege5J93ZfogW/MuNyL4Jlv
iCGKzo/9UtjUGiHbuxUv7SimWYB40AhrYR1t0sMLLJU7Bu012PEmxyK6G1zJuBC
3/YQ9xlWkXlbp1E030vBMCRp1AnJRsznZATBB4xnJ55ZPG6tEqCVS72j2fKMnCa2
vLW7
-----END CERTIFICATE-----
</ca>

```

# Lavagno

[lavagno.pem](https://lavagno.pem)

```

-----BEGIN CERTIFICATE-----
MIIGATCCA+mgAwIBAgIJALHdThMpwfEhMA0GCSqGSIb3DQEBCwUAMIGWMQswCQYD
VQQGEwJJVDE0MAwGA1UECAwFSXRhbHkxDzANBgNVBACMBLZlcm9uYTEXMBUGA1UE
Cgw0Q29tdW5lIEExhdmFnbm8xHjAcBgNVBAMMFwxdmFnbm8uY3NnYWxpbGVvLm9y
ZzEtMCsGCSqGSIb3DQEJARYec3RlZmFuby5zY2lwaW9uaUBjc2dhdGlsZW8ub3Jn
MB4XDTE3MDIwODEzMDUzMDUzMDUzMDUzMDUzMDUzMDUzMDUzMDUzMDUzMDUzMDUz
MQ4wDAYDVQQIDAVJdGFseTEPMA0GA1UEBwwGVmVyb25hMRcwFQYDVOQKDA5Db211
bmUgTG92Y290dW5lIEExhdmFnbm8uY3NnYWxpbGVvLm9yZzEtMCsGCSqGSIb3DQ
EBAQUAA4ICDwAwggIKAoICAQCysUSjvroVYifgpS2Yc5q97GzlfUZw9Fu04IZqrV
XE8Mz8hsCsaGql0MmeMo7Y4TFL9gb6IvAv655mCRY3l3KzRzcyg94fg4VB2Sjqj
U3DhDtzZBURBWo1v9P5oidftxVQbyUrrRJ6QUhlj4Ue1BZWUNd8ViT09xtnxUb8b
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B4o/K9/Mtt0GwRmeJIMsgxFxV/qlEXQxNrwZ0d9dpZvs83J0z+mHdd9j36IBScGN
QRHz+UcS0uek7YlgsP/bxiE0ra1D22ZdE0620fMfXoupNEV1B/4CgmhSIOTpJcRj
KfPHmfp0pbDcIgw3QEmXcrw9K/sXihk5c7vN2mbiUyWt06/Ihc8xmLut8Ilgvh1K
SQ02IN9i0bv4KAxL5dVZXmtku6H9LG6UfX/QxCg4/LH2RzwZc00A135R3zn7Fy0U
KvWrUuG/0hIiCoS4AgpTTIc9DCI5bA/Yks0n8vz1SIklZ/vkjJ4LuxFJkBgBCVl4
b8oh0XR5Ecq1Q3Ai1AR/8n4b9ho50wqhioekRSQ6WjHLLn9XYQrEdCNPXxulxnK7
eiQtYD6Zn5A8MSvmfquQ80QQsbMg05YUt0lMxSX6qbZnItF76KYWSbd72PFSDV2
4Lrg3wIDAQABo1AwTjAdBgNVHQ4EFgQUdke3u6KNfH6n+1S0wmUmWsB8h18wHwYD
VR0jBBgwFoAUDke3u6KNfH6n+1S0wmUmWsB8h18wDAYDVR0TBAUwAwEB/zANBgkq
hkiG9w0BAQsFAA0CAgEArtRfwcY2gER3s8uABZBWte0o5QMDVnbFxFWdkTE1kny0
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ttWpFBFb+U+G1ipDNhiBiAkhLJMSL7vB5JHcu/YLUgZiVXz0mD1YI812PJwECAq
p7VfbdNb9kzkpTMTAZqtWg60h1wq+zS094VknTvS0/Dy8dtukA3BMkI/bwYfLafq
78Miu6KglFmJF2VSifxW7zynNIVE0dtXGmUOR16FKJfdwNXTzpmMznPviRzYNmy
A6A0gwPolKfweFsRth0oKdQyZqy0ZeriKoHB0WXkDH26MqMBLNMAzPodORbKYrXp
cmIEOYSwJnMtW+rqfniH5mCYvq/SU+csDZr7uWgSMcY3im40f30JJ+ndYyigaBZ
VSFSow2dELbQdqolaA/JR1hUk05NExE6KAIC4JNrMzD4b4HxMPcc/yuYLKDb3Hd9
TG/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”**

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