

ApplicGate Remote Service Platform (RSP) Installation Checklist

1 Introduction

This document lists all steps to install and configure an ApplicGate RSP installation.

2 Network Schema

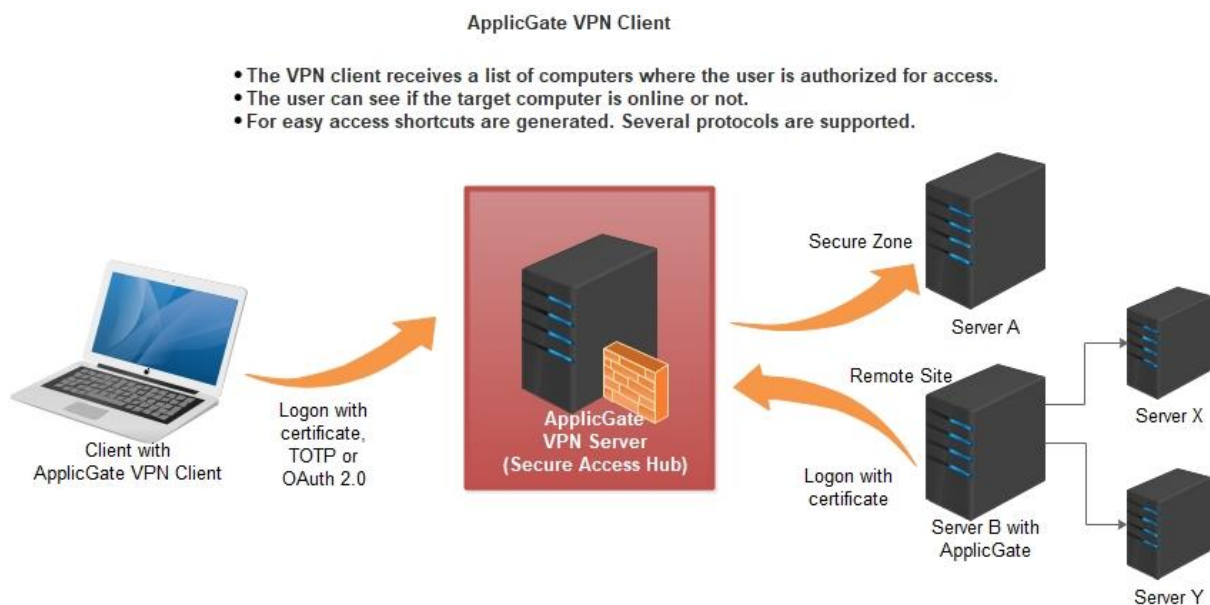


Figure 1

The ApplicGate VPN server acts as a Secure Access hub.

Only authenticated users are allowed to access the Secure Access Hub.

Remark:

The “ApplicGate VPN Server” role can be installed at any server usually located in a DMZ.

3 Checklist

3.1 Certificates

Select a Certificate Authority (CA) or use self-signed certificates, see also

<https://help.applicgate.com/helpmeCE.htm>

Ensure that the certificates are trusted.

3.1.1 Server Certificate

We need a server certificate for the ApplicGate VPN Server to encrypt the communication.

3.1.2 Client Certificate

We need client certificates to for the remote servers and optionally for the clients to logon to the ApplicGate VPN Server.

Define a naming convention for the email name in the certificate of remote servers,

e. g. Snnn.rsp@testcomp.com

see also <https://download.applicgate.com/download/ApplicGate-RSP-Wizard.pdf>

3.2 Select a VPN Client Authentication Option

There are following options:

- Client certificates
- Time based One-Time Password (TOTP)
- OAuth2
- FIDO2

3.3 Install ApplicGate at the VPN Server

We need a computer with a public IP address:

- Windows with .NET 4.8, see <https://help.applicgate.com/helpmeST.htm> :
ApplicGate.exe /install:RSPvpnServer!GatewayIP!Port1!Port2!certificate
- Linux with .NET 8.0, see <https://help.applicgate.com/helpmeSX.htm> :
dotnet ApplicGate.dll /install:RSPvpnServer!GatewayIP!Port1!Port2!certificate
- Use <http://127.0.0.1:98> to manage the server (e.g. to define the license)
- Option: Define Central Policies for VPN Clients (only for installations via ClickOnce), see <https://help.applicgate.com/helpmeCP>

3.4 Configuration of ApplicGate VPN Server

Use the RSP-Wizard to simplify the configuration: See

<https://help.applicgate.com/helpmeRW.htm> and

<https://download.applicgate.com/download/ApplicGate-RSP-Wizard.pdf> .

3.5 Install ApplicGate at the remote Site

The VPN server must be reachable via the selected port (usually 441).

- Windows with .NET 4.8, see <https://help.applicgate.com/helpmeST.htm> :
ApplicGate.exe /install:RSPremote!DestinationIP!DestinationPort!certificate
- Linux with .NET 8.0, see <https://help.applicgate.com/helpmeSX.htm> :
dotnet ApplicGate.dll /install:RSPremote!DestinationIP!DestinationPort!certificate
- Use <http://127.0.0.1:98> to manage the server (e.g. to define the license)

3.6 Configuration and Rollout of the ApplicGate VPN Client

Supported for Windows, e.g. Windows 10 and 11.

If access to network shares via CIFS (TCP port 445) will be configured:
The Server service must be disabled at the VPN client. Don't forget to reboot after the service has been disabled.

3.6.1 Configure the selected Authentication Option

- Rollout and install user certificate and/or smartcards
- Configure the authenticator for TOTP
- Register FIDO2 tokens

3.6.2 Installation of the ApplicGate VPN Client

For the following two installation options there are no client licenses necessary.

3.6.2.1 Local Installation

See <https://help.applicgate.com/helpmeC2.htm>

- Create a new directory and store ApplicGate.exe into this directory.
- Create the file ApplicGateClient.bat as defined in the link above.
- Create the file ApplicGateClient.ini with following content, e.g.:
server=vpn.testcomp.com:442&sslcc=Prompt:*@testcomp.com&title=VPNclient&cifs
- For definition of parameters see <https://help.applicgate.com/helpmeCO.htm>
- Start the client using ApplicGateClient.bat

3.6.2.2 Network Installation via ClickOnce

See <https://help.applicgate.com/helpmeCO.htm>

The advantage of this option is the easy installation and update of ApplicGate.

4 Table of Contents

1	Introduction	1
2	Network Schema.....	1
3	Checklist.....	1
3.1	Certificates.....	1
3.1.1	Server Certificate.....	2
3.1.2	Client Certificate.....	2
3.2	Select a VPN Client Authentication Option	2
3.3	Install ApplicGate at the VPN Server	2
3.4	Configuration of ApplicGate VPN Server	2
3.5	Install ApplicGate at the remote Site	2
3.6	Configuration and Rollout of the ApplicGate VPN Client	2
3.6.1	Configure the selected Authentication Option	3
3.6.2	Installation of the ApplicGate VPN Client	3
3.6.2.1	Local Installation.....	3
3.6.2.2	Network Installation via ClickOnce.....	3
4	Table of Contents.....	4