

# ESET Tech Center

Knowledgebase > ESET PROTECT On-prem > Advanced scenarios for ESET Bridge with ESET PROTECT (10.x and later)

---

## Advanced scenarios for ESET Bridge with ESET PROTECT (10.x and later)

Mitch | ESET Nederland - 2023-02-09 - Comments (0) - ESET PROTECT On-prem

### Issue

#### Apache HTTP Proxy users

ESET Bridge replaces Apache HTTP Proxy in ESET PROTECT version 10. All ESET product versions compatible with Apache HTTP Proxy are in Limited Support status. If you currently use Apache HTTP Proxy, we recommend that you [migrate to ESET Bridge](#).

### Details

---

[Click to expand](#)

- [Download ESET Bridge for Windows](#)
- [Download ESET Bridge for Linux](#)

These installers have the correct configuration necessary for the following:

- Forwarding ESET Management Agents' replication (communication with ESET PROTECT server)
- Caching ESET detection engine updates and installer files
- Caching ESET LiveGuard Advanced analysis results

See the instructions for [ESET Bridge installation on Windows](#) or [ESET Bridge installation on Linux](#).

---

### Solution

#### About ESET Bridge

#### HTTPS traffic caching is not supported

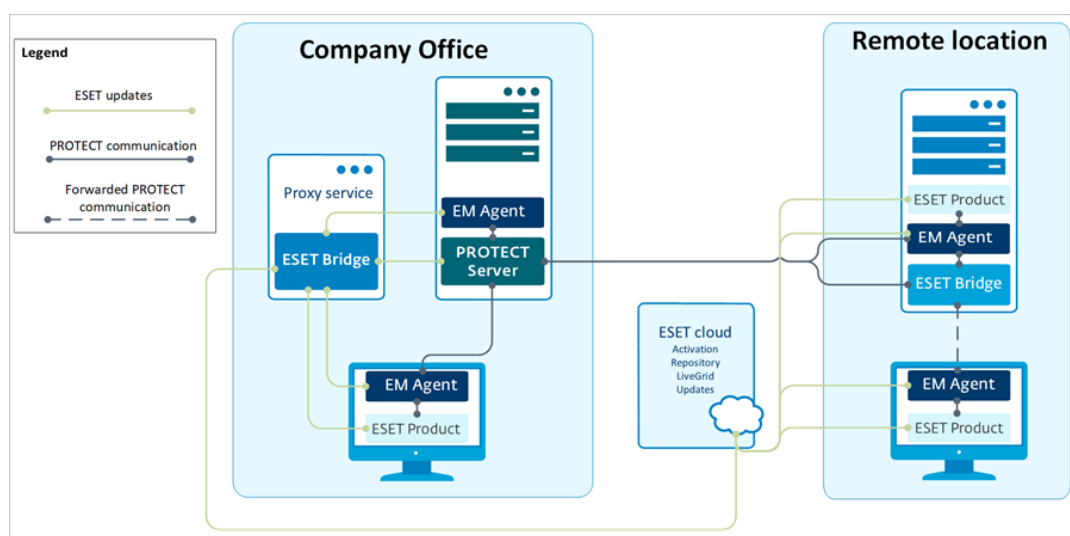
ESET Bridge does not support HTTPS traffic caching for Windows

## Server/Linux/macOS security products.

ESET Bridge is a new ESET software based on the open-source nginx software adjusted for the needs of ESET security solutions. ESET distributes ESET Bridge with ESET PROTECT 10.0 (and later) as a Proxy component replacing the former Apache HTTP Proxy.

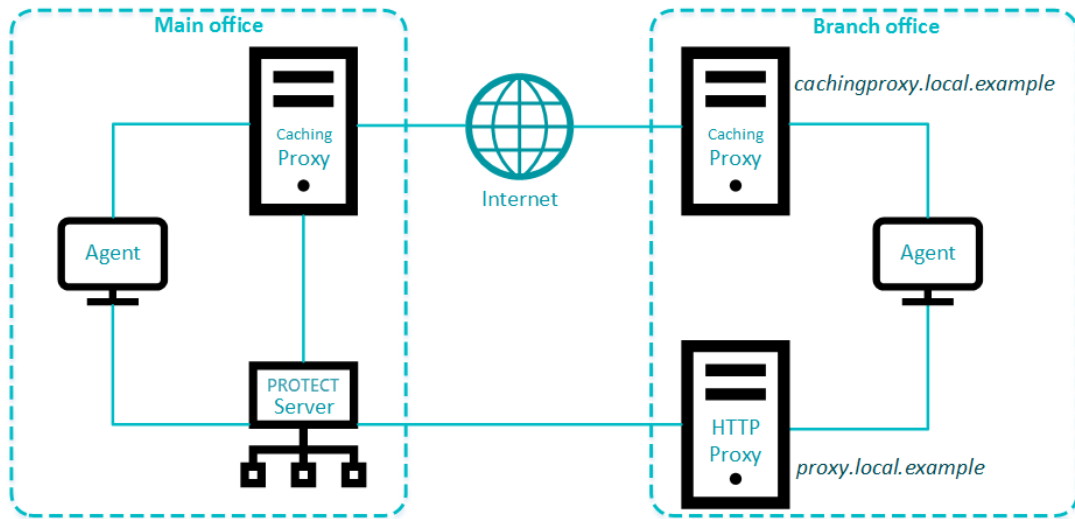
See the [comparison of ESET Bridge and Apache HTTP Proxy](#). You can use ESET Bridge also with ESET PROTECT Cloud. You can connect up to 10,000 computers to ESET PROTECT using ESET Bridge.

Read more about [ESET Bridge on ESET Online Help](#).



## Use different proxy solutions for caching and replication

Users in some environments may need to use separate proxy solutions for caching and replication. In the example below, one branch office uses a separate proxy for caching and another for replication to the ESET PROTECT Server in the main office.



## Configure an Agent to use different proxies

The proxy settings are located in the Agent policy. To configure them, create

te a  
new  
Age  
nt  
poli  
cy  
or  
mod  
ify  
an  
exis  
ting  
one.  
You  
can  
also  
crea  
te  
mul  
tiple  
Age  
nt  
poli  
cies  
with  
diffe  
rent  
pro  
xy  
setu  
ps  
and  
assi  
gn

the  
m  
to  
com  
put  
ers  
usin  
g  
dyn  
ami  
c  
gro  
ups.  
Wh  
en a  
clie  
nt  
mac  
hine  
is  
mov  
ed  
to a  
diffe  
rent  
dyn  
ami  
c  
gro  
up,  
it  
will  
aut  
oma

tical  
ly  
use  
the  
app  
ropr  
iate  
pro  
xy  
setu  
p.

To  
set  
up  
diffe  
rent  
pro  
xies  
follo  
w  
thes  
e  
step  
s:

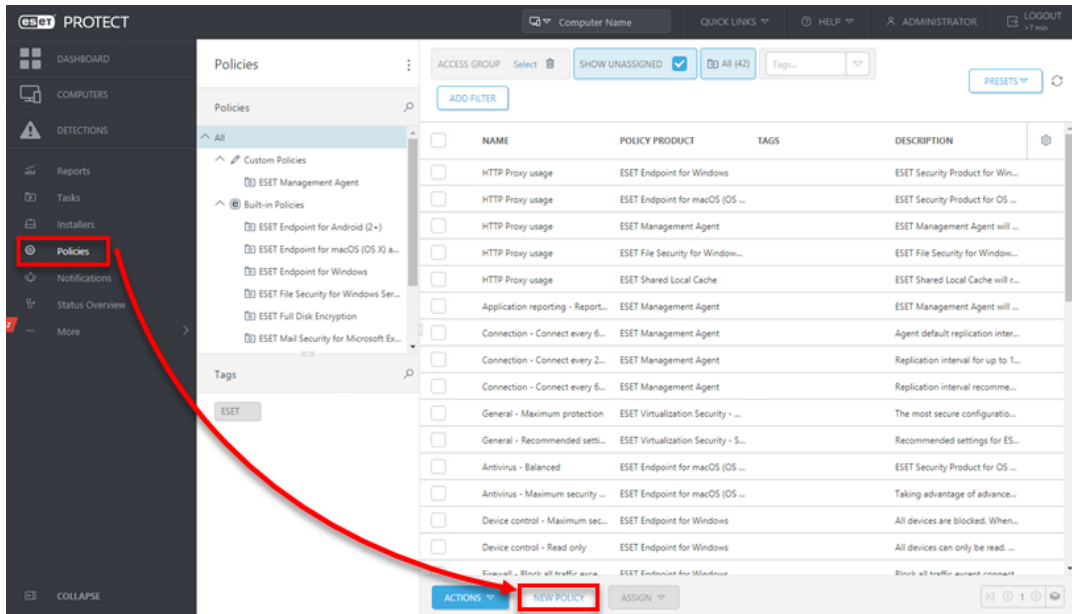
1.

O  
p  
e  
n  
t  
h  
e  
E  
S  
E

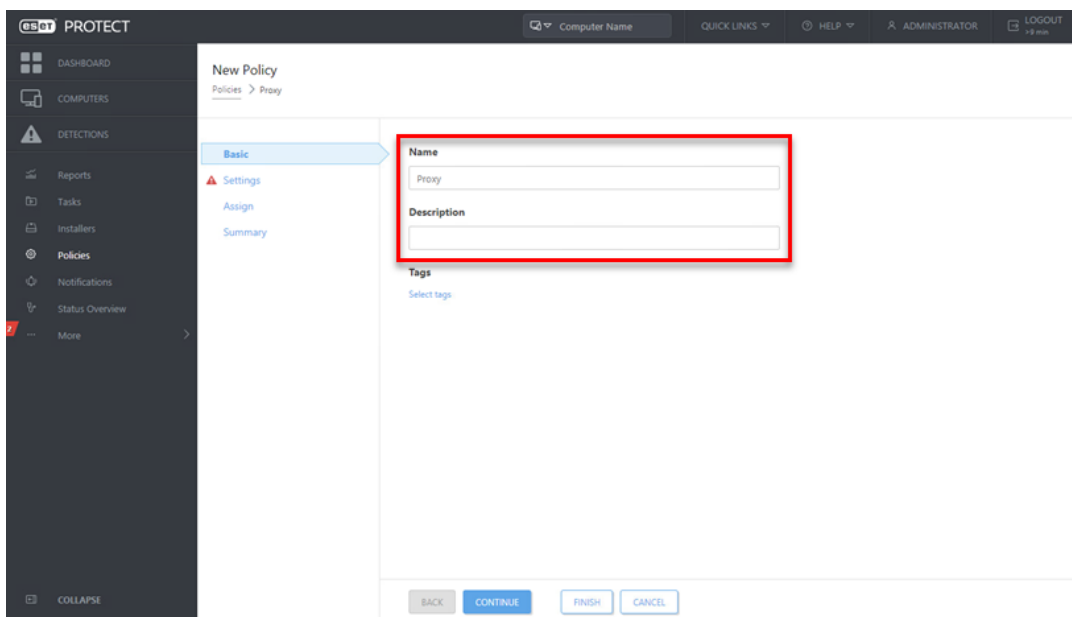
T  
P  
R  
O  
T  
E  
C  
T  
W  
e  
b  
C  
o  
n  
s  
o  
l  
e  
i  
n  
y  
o  
u  
r  
w  
e  
b  
b  
r  
o  
w  
s  
e  
r  
a  
n  
d  
l  
o  
g

i  
n  
.  
2.  
C  
l  
i  
c  
k  
  
P  
o  
l  
i  
c  
i  
e  
s  
  
→  
  
N  
e  
w  
P  
o  
l  
i  
c  
y  
.

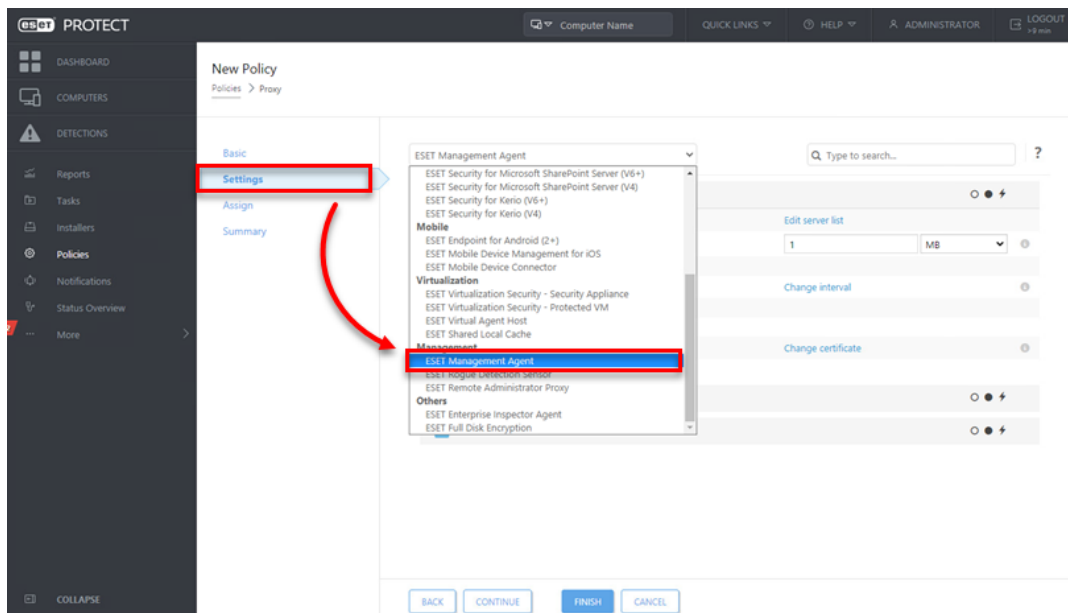




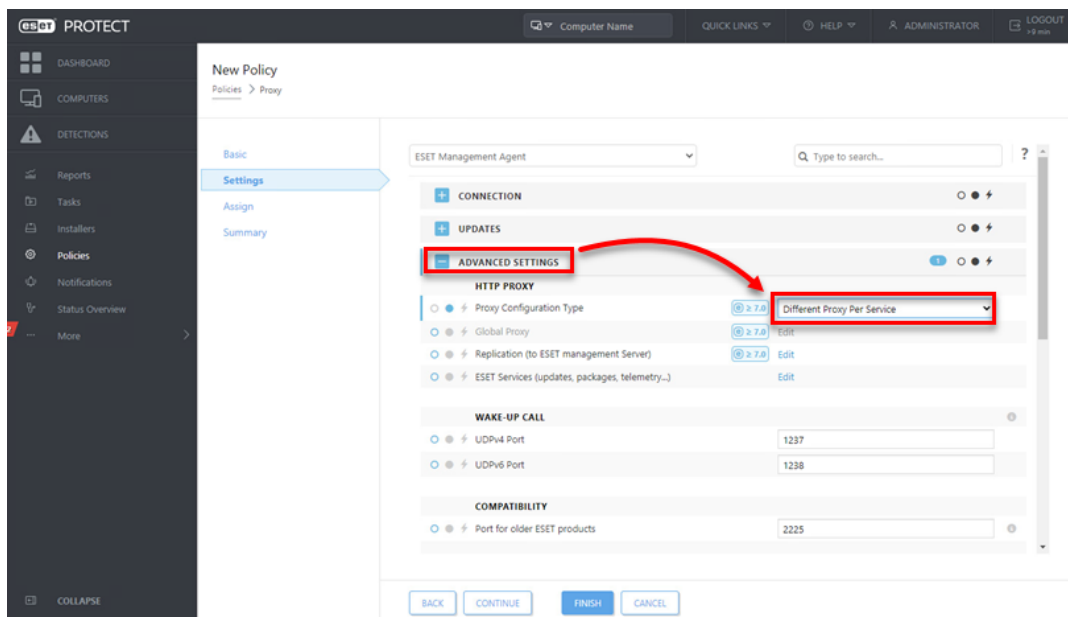
1. In the **Basic** section, type a **Name** and **Description** (the **Description** field is optional).



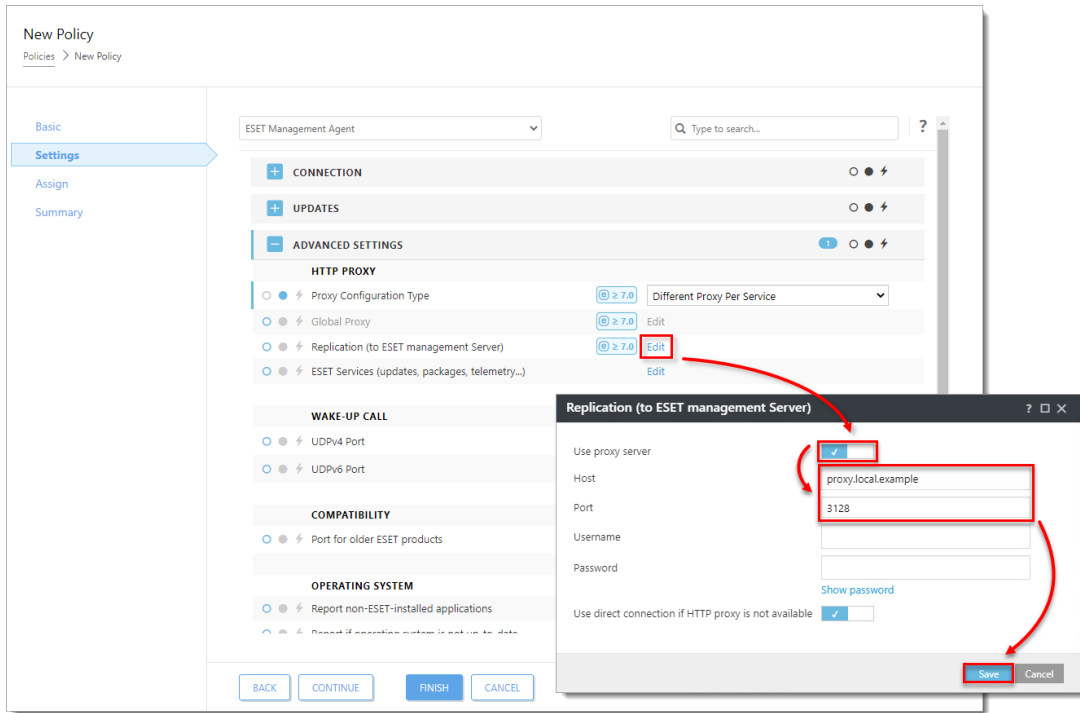
1. Click **Settings** and select **ESET Management Agent** from the drop-down menu.



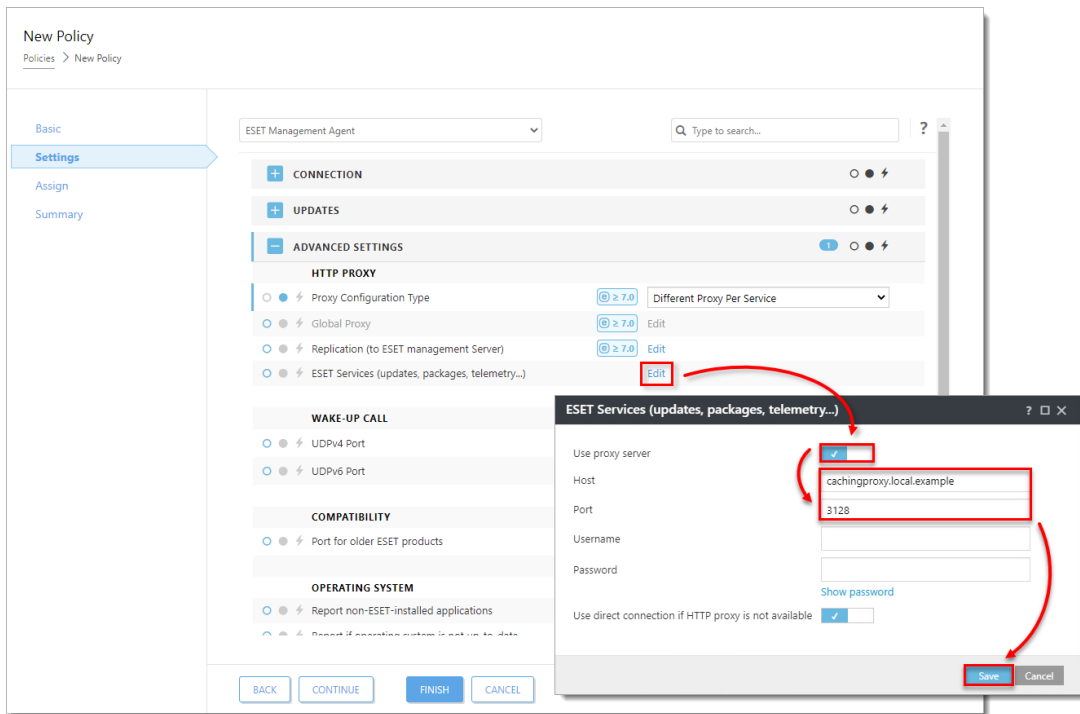
1. Expand **Advanced Settings**. In the **HTTP Proxy** section, change the **Proxy Configuration Type** to **Different Proxy Per Service**.



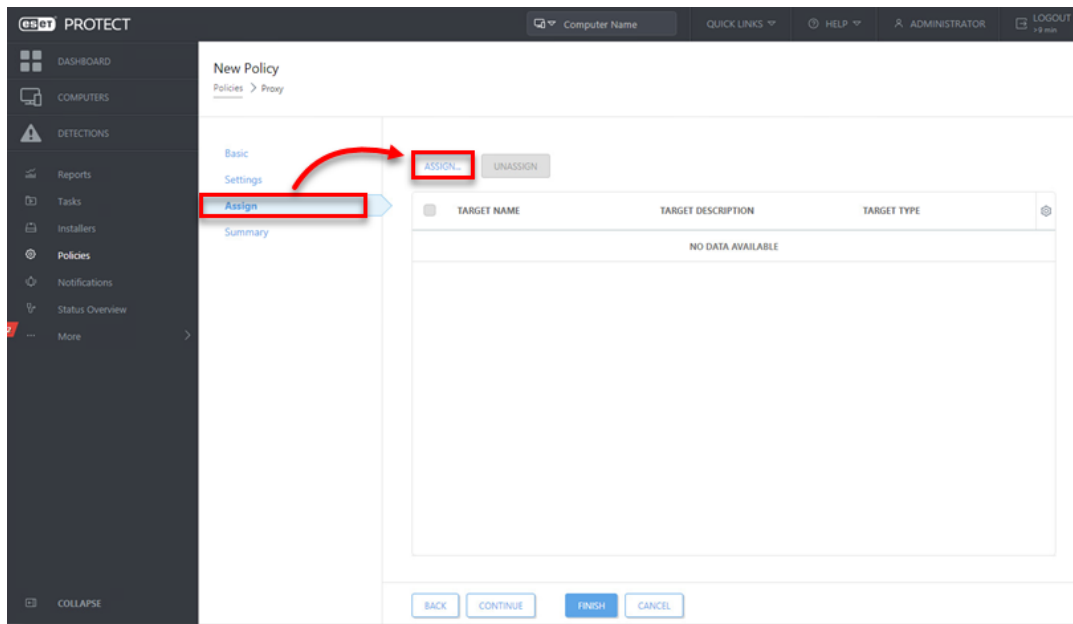
1. Click **Edit** next to **Replication (to ESET Management Server)**. Click the toggle next to **Use proxy server** to enable it and type the **Host** value. **Port** is set to 3128 by default. **Host** is the hostname or IP address of the machine where the proxy is running. Do not type a **Username** or **Password**. Click **Save**.



1. Click **Edit** next to **ESET Services (updates, packages, telemetry...)**. Click the toggle next to **Use proxy server** to enable it and type the **Host** value. **Port** is set to 3128 by default. **Host** is the hostname or IP address of the machine where the proxy is running. Click **Save**.



1. Click **Assign** → **Assign**. Select a group or multiple machines that will use the new proxy setting.



1. Click **Finish** to apply the policy.

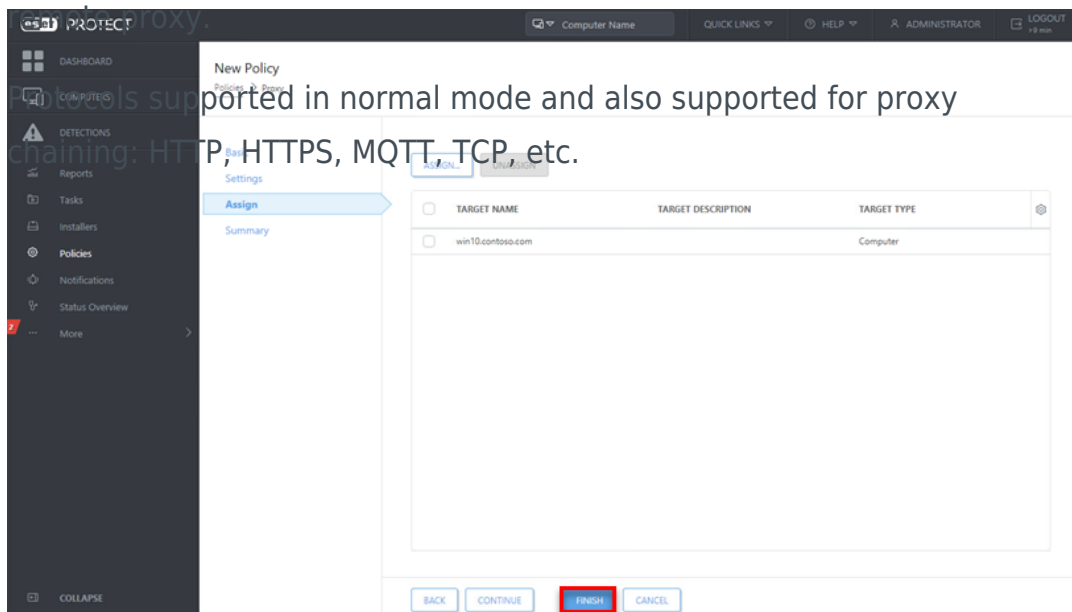
## Set up a proxy chain

Caching is not supported in proxy chaining mode

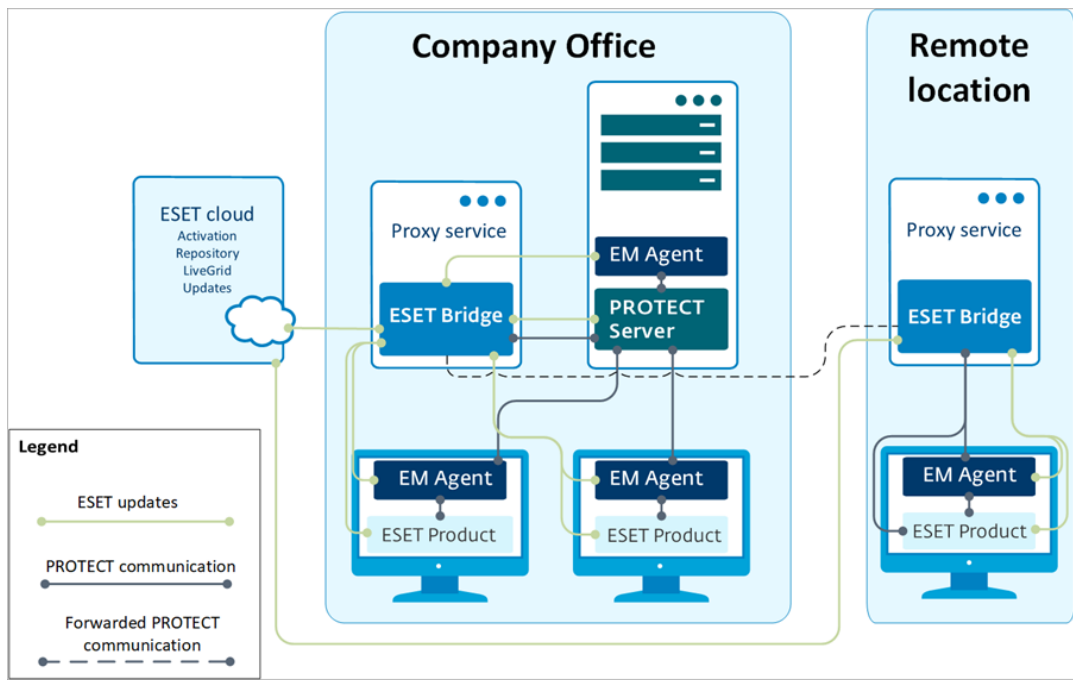
The proxy chaining mode does not support caching.

This limitation will be removed in the next ESET Bridge release.

ESET Bridge supports proxy chaining—it can forward the traffic to a



computer supported in normal mode and also supported for proxy chaining: HTTP, HTTPS, MQTT, TCP, etc.



See the instructions for [setting ESET Bridge in the proxy chaining mode](#).

#### **ESET Bridge in an environment with DMZ**

In a more complex infrastructure, with a subnet that separates an internal LAN from untrusted networks (DMZ), it is recommended to deploy the ESET PROTECT server out of the DMZ. Figure 5-1 illustrates one deployment scenario.

When setting up an environment such as this, we recommend adhering to the following guidelines:

- Use hostnames instead of IP addresses in ESET PROTECT component settings.
- If client machines can leave the intranet (roaming clients): use dynamic groups and policies to make sure roaming clients use the server hostname resolvable from the internet only when they are outside of the intranet. Clients that cannot leave the intranet should use a hostname that is resolvable only inside the intranet, to be sure their connection is not routed via the internet.
- ESET Bridge (when used for replication) does not aggregate connections from Agents and does not save bandwidth. Use ESET Bridge for replication only if necessary.
- Using ESET Bridge for caching updates and installers is recommended. Roaming agents should not use caching proxy when outside of the intranet. This can be achieved by using a hostname for

caching proxy which is not resolvable outside of the intranet and allowing a direct connection.

- Firewall: open only necessary ports ([see the list of used ports](#)) for selected hostnames.

