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Adding a Gateway

AppGateSDP

Access, evolved.

You will learn

- How you configure a multi-Site/multi-tunnel in AppGate
- How to create a Site and Appliance on the Controller
- How to seed an additional Gateway to be added to the Collective
- Create proper Policy to verify the connection to the resources behind the Gateway

Scenario: Provisioning access to Application Backend

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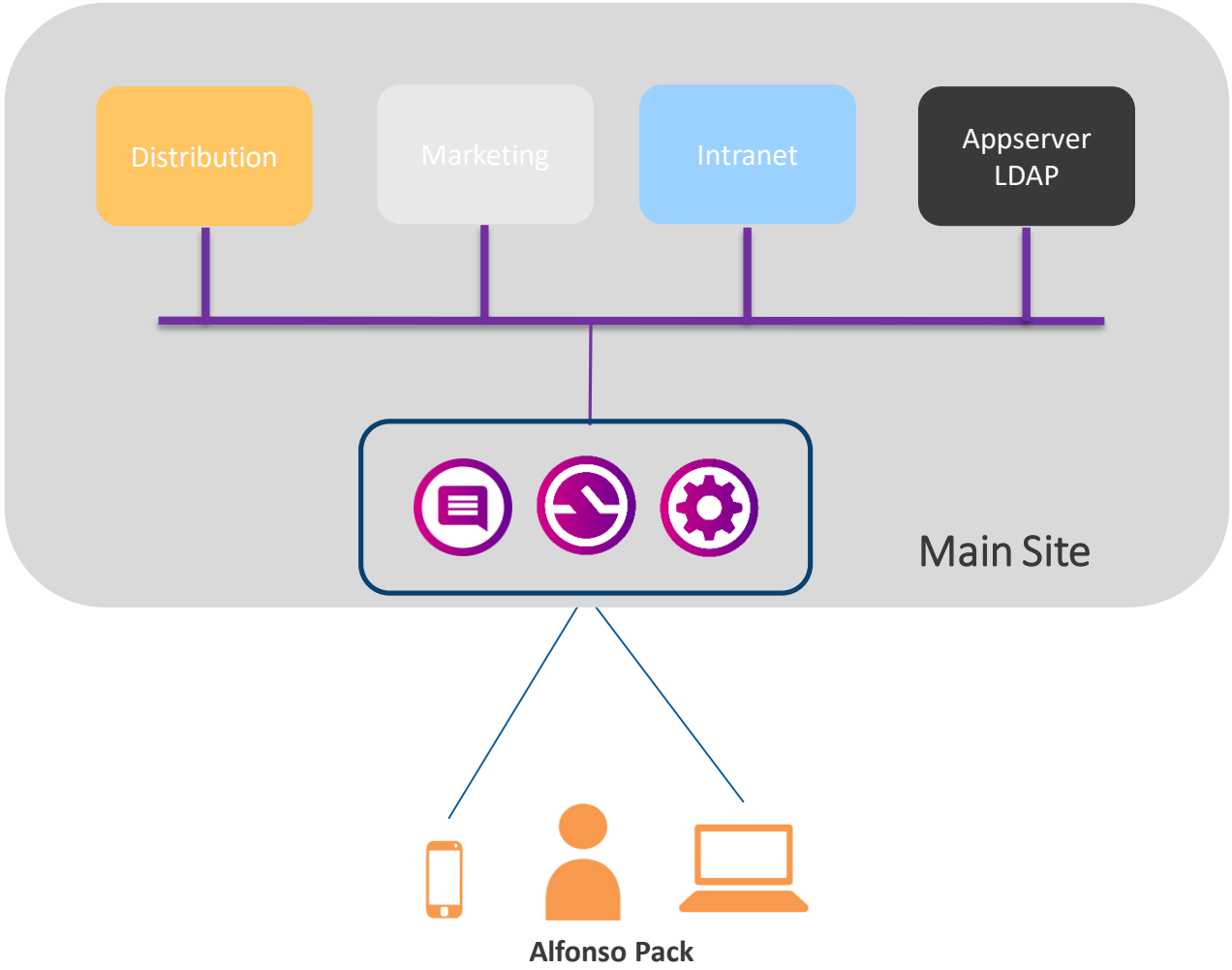
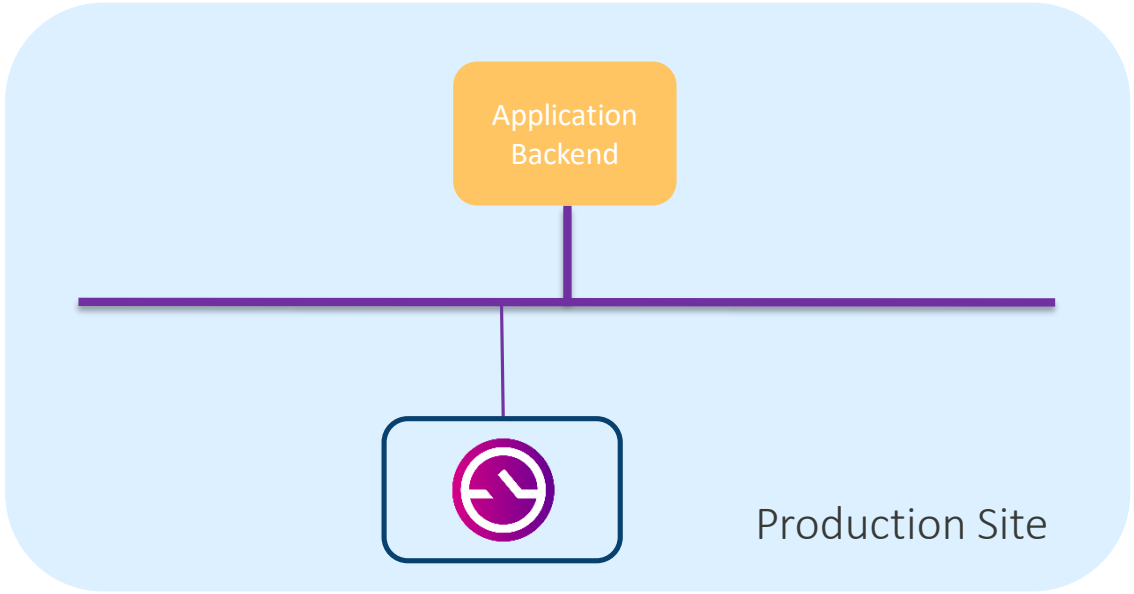
Current setup

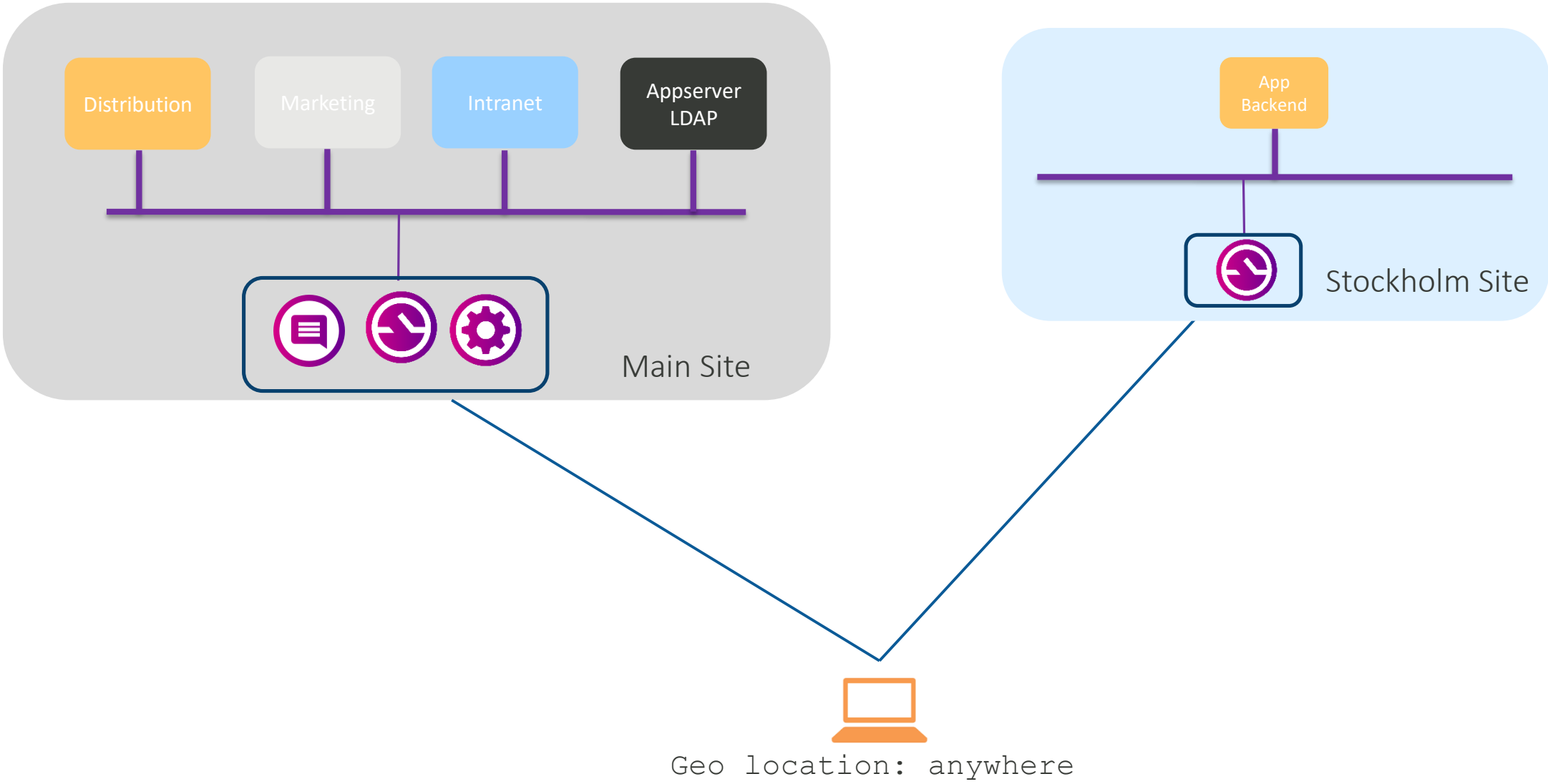


Application Site located in Stockholm



- The Site is an existing production site, hosting the web application backend.
- The appliance to be seeded (to become a Gateway) is up and running.

Desired outcome



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Step by step

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Overall process

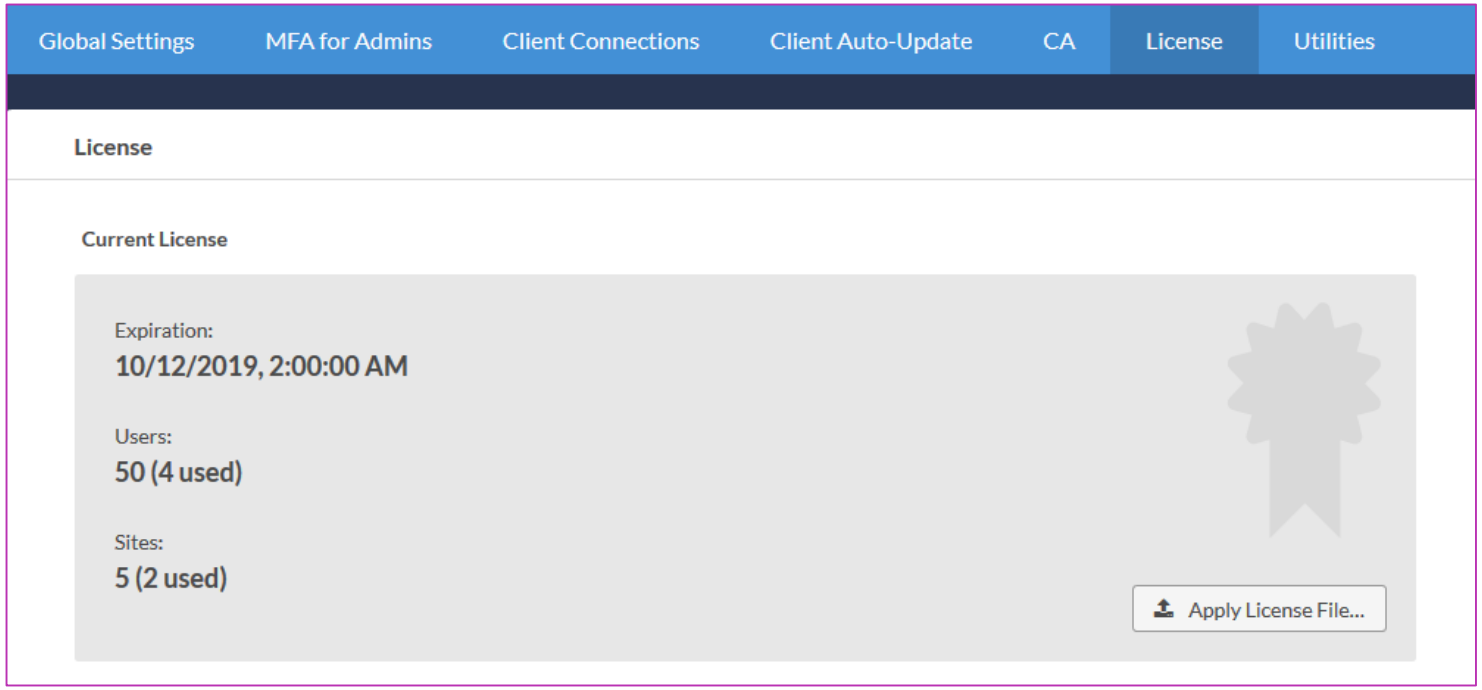
1. Assure you have licenses for additional sites
2. Create a new Site called “Stockholm” in the Controller
3. Create a new appliance in the Controller
   - Download and save the seed file
4. Seed the appliances
   - We copy the seed file (JSON) to the already existing appliance
5. Verify in Controller new Gateway works properly
6. Test the scenario works as expected

Step-by-Step walkthrough

- Have a read under trent-documentation, you find all the information:
  - Site information
  - IP addresses
  - Appliance settings
  - Etc.

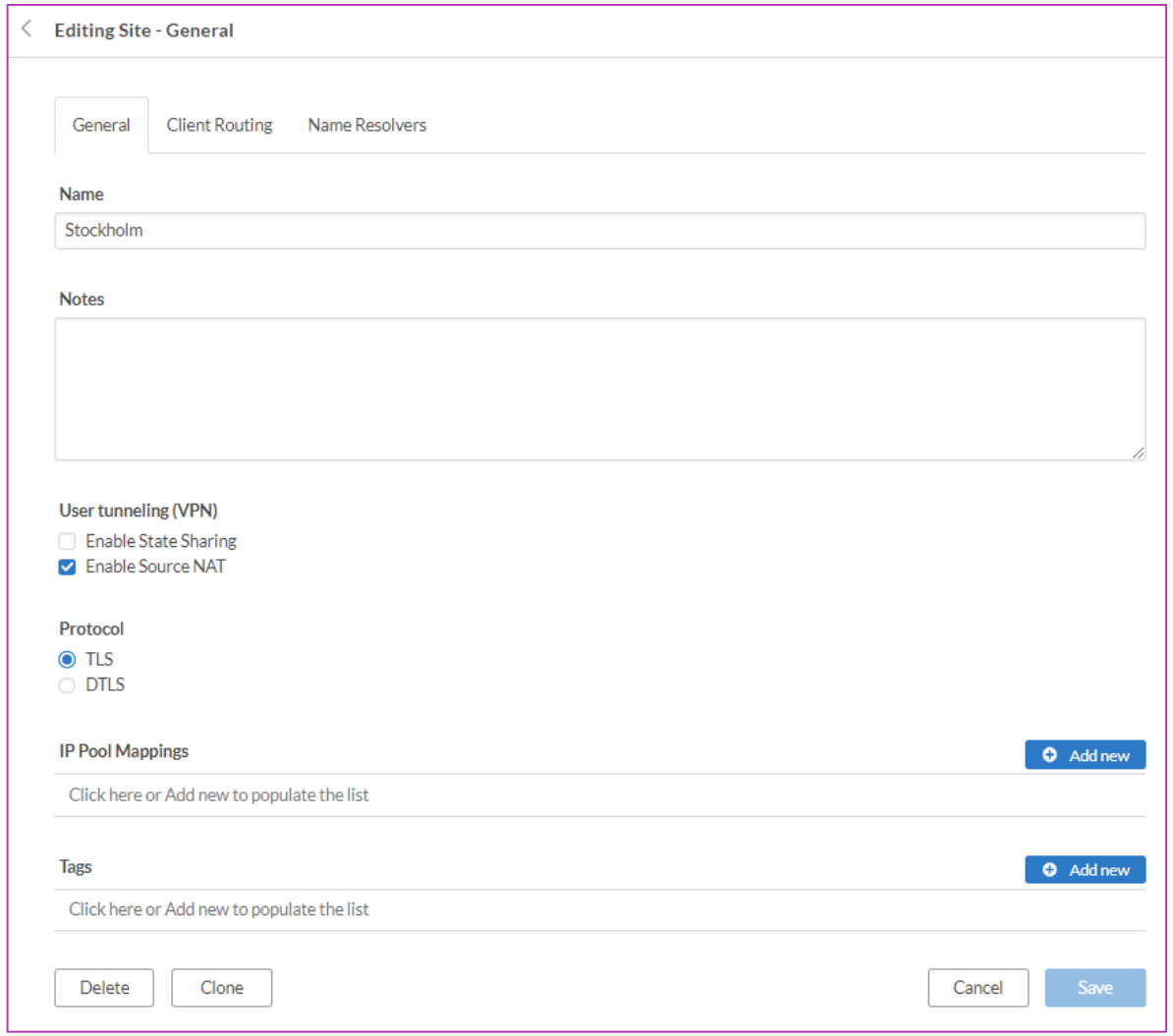
Step 1: Check license

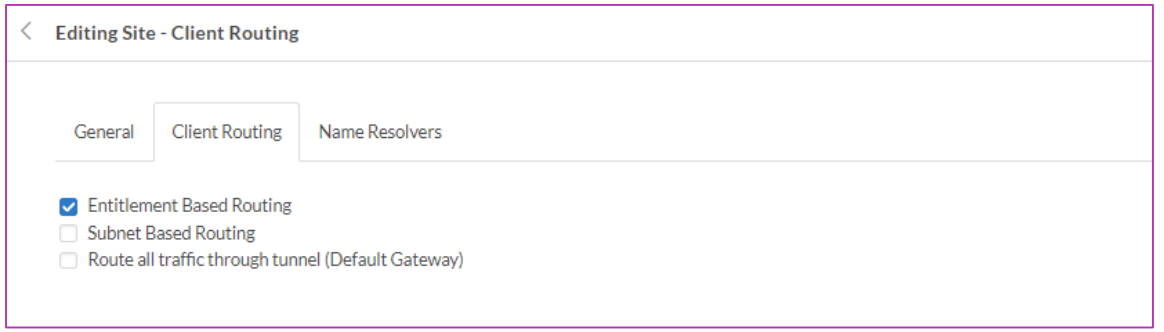
- Additional Sites require additional licensing
- Check on the Controller's Dashboard for your license

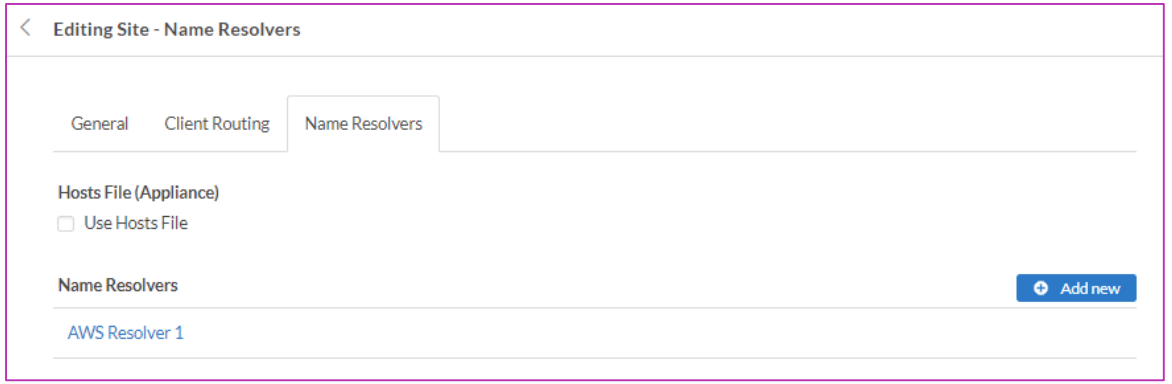


- You need to request a new license if sites-count < 2

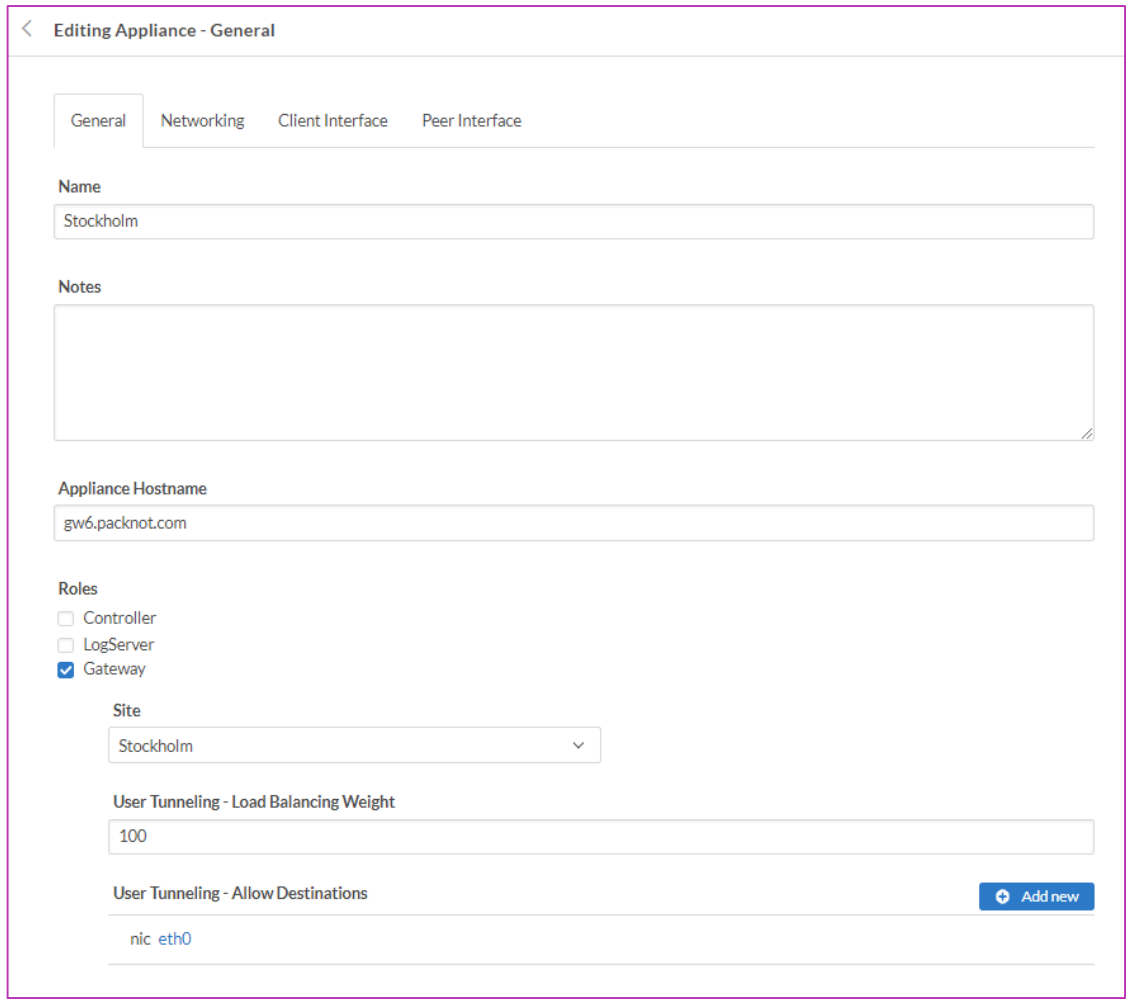
Step 2: Create new Site

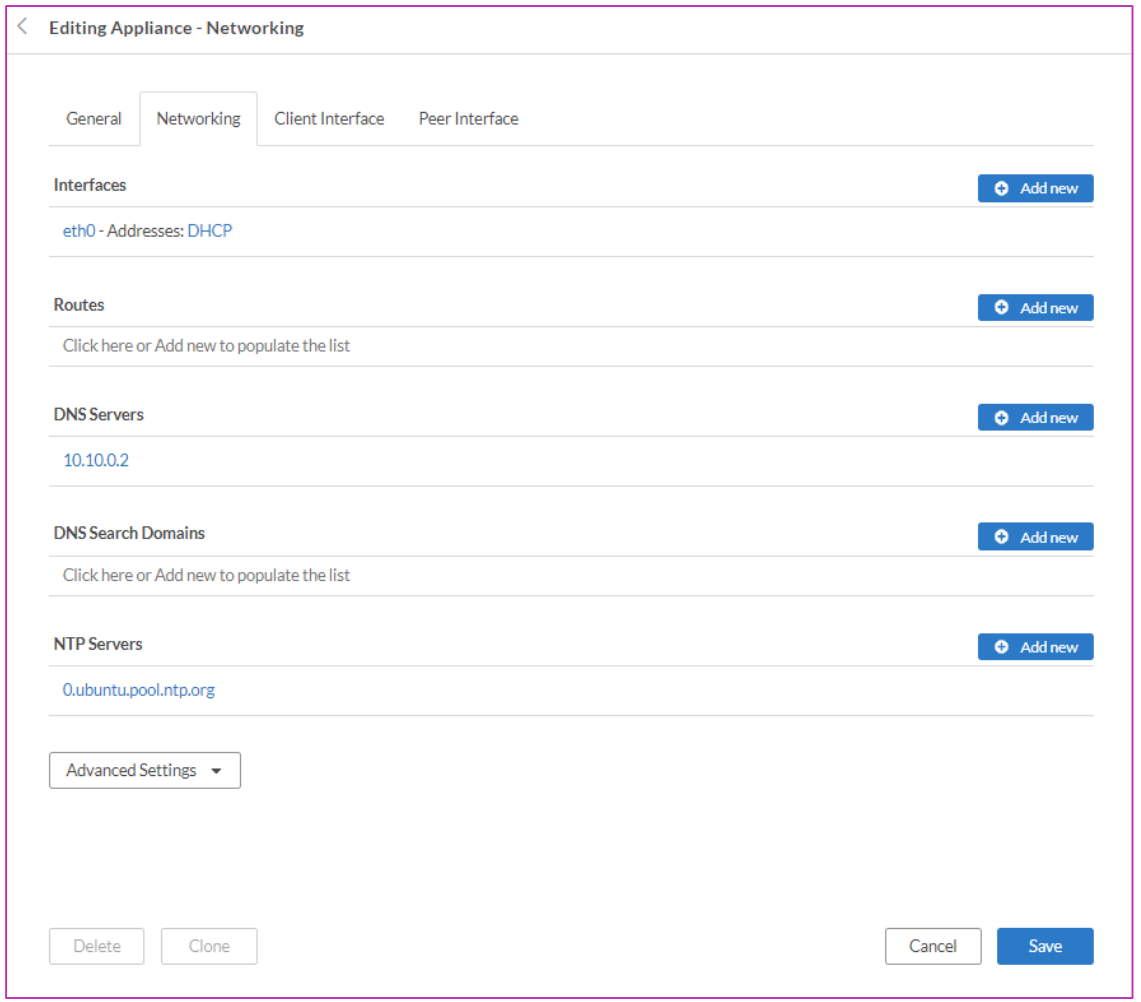




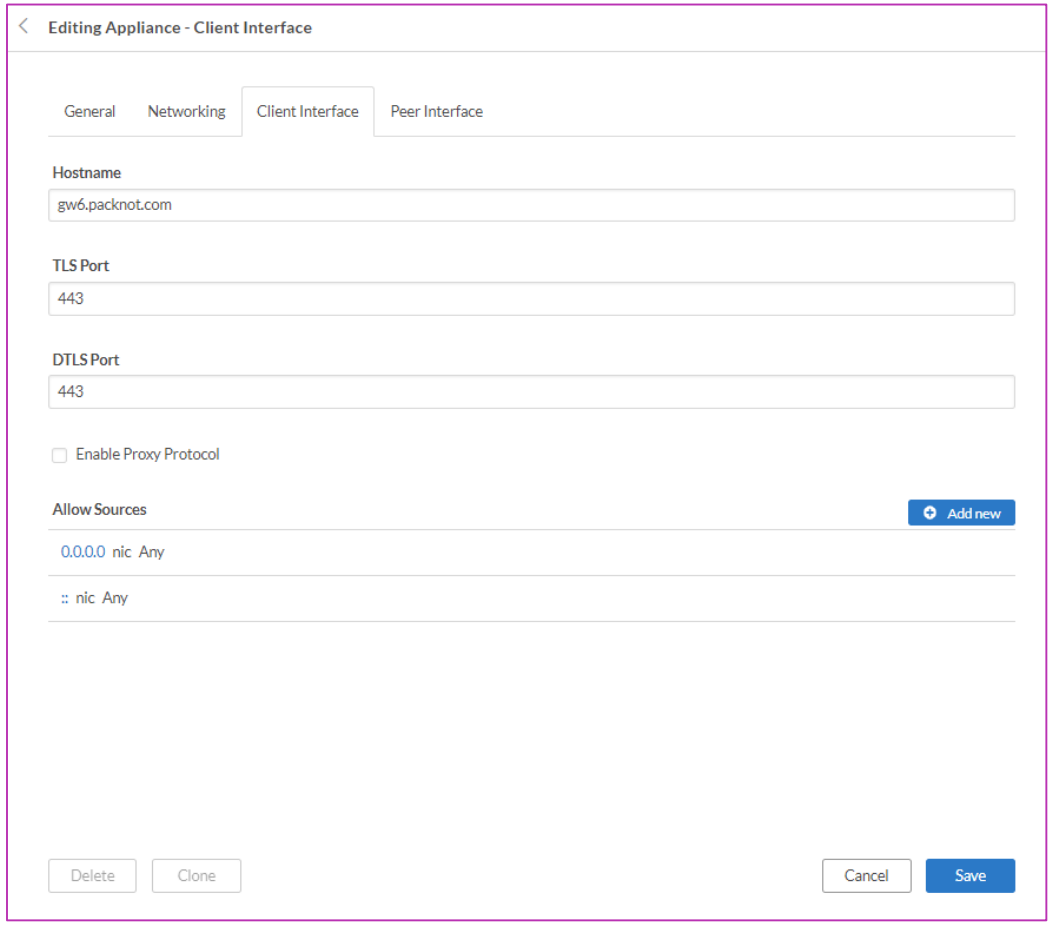


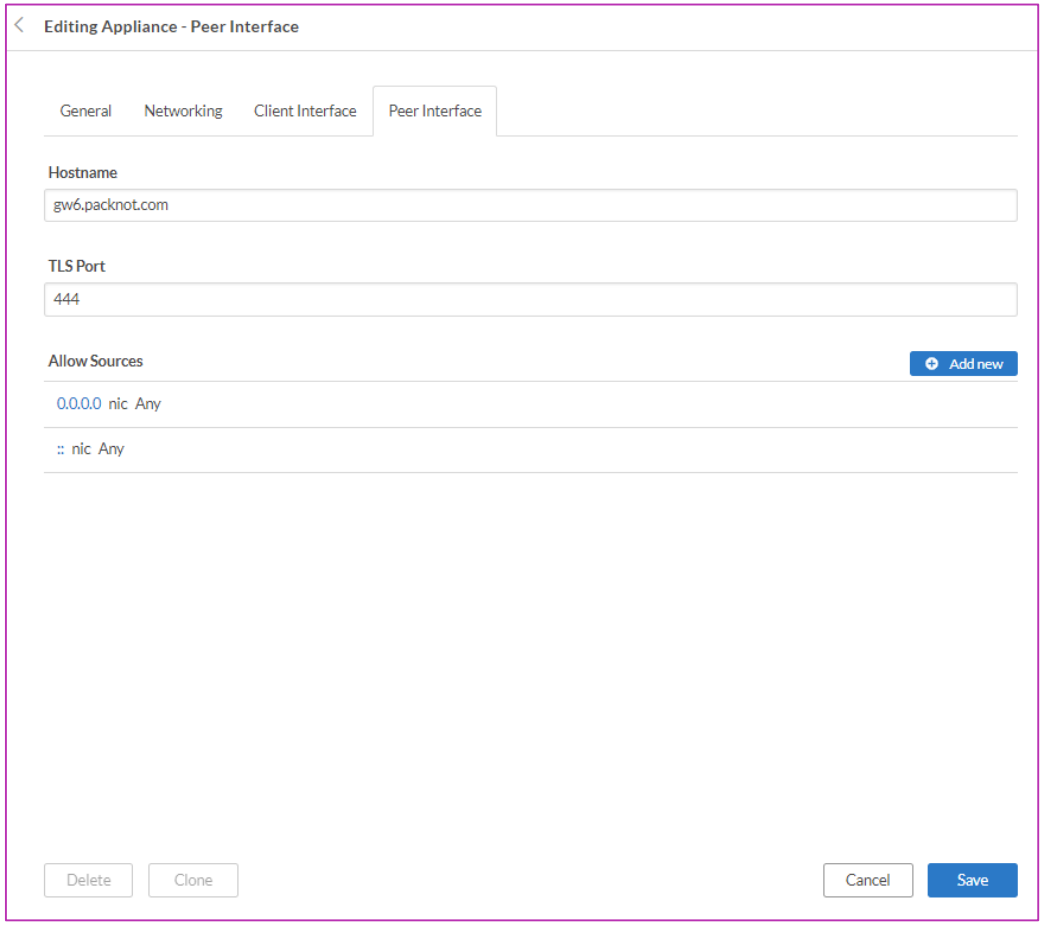
Step 3: Create new Appliance (1)



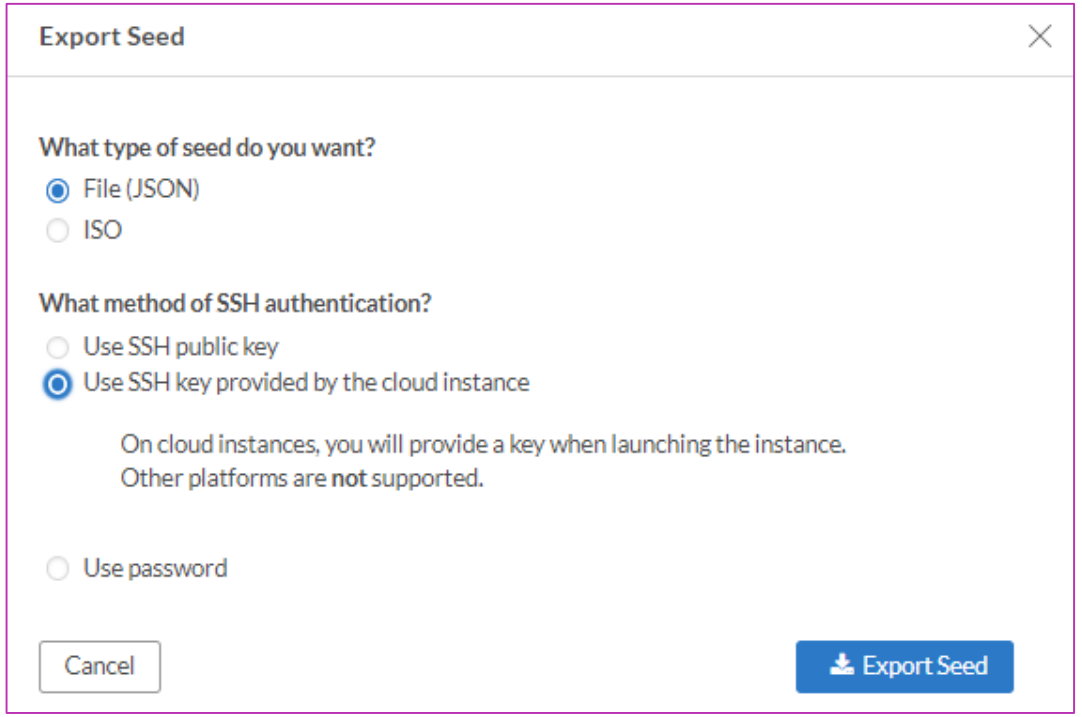


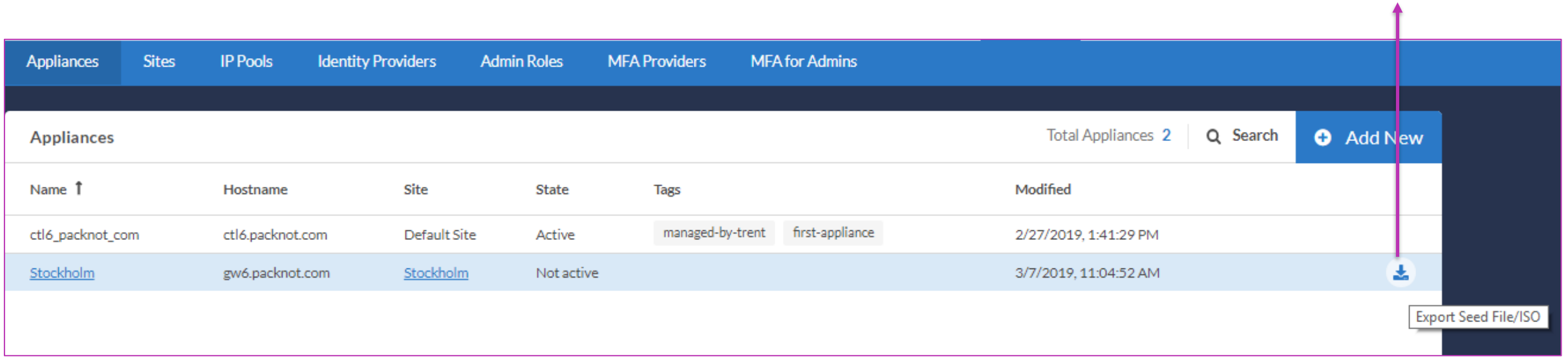
Step 3: Create new Appliance (2)





Step 4: Seed the Appliance





Step 4: Seed the appliance

- Copy the seed file to the Appliance:

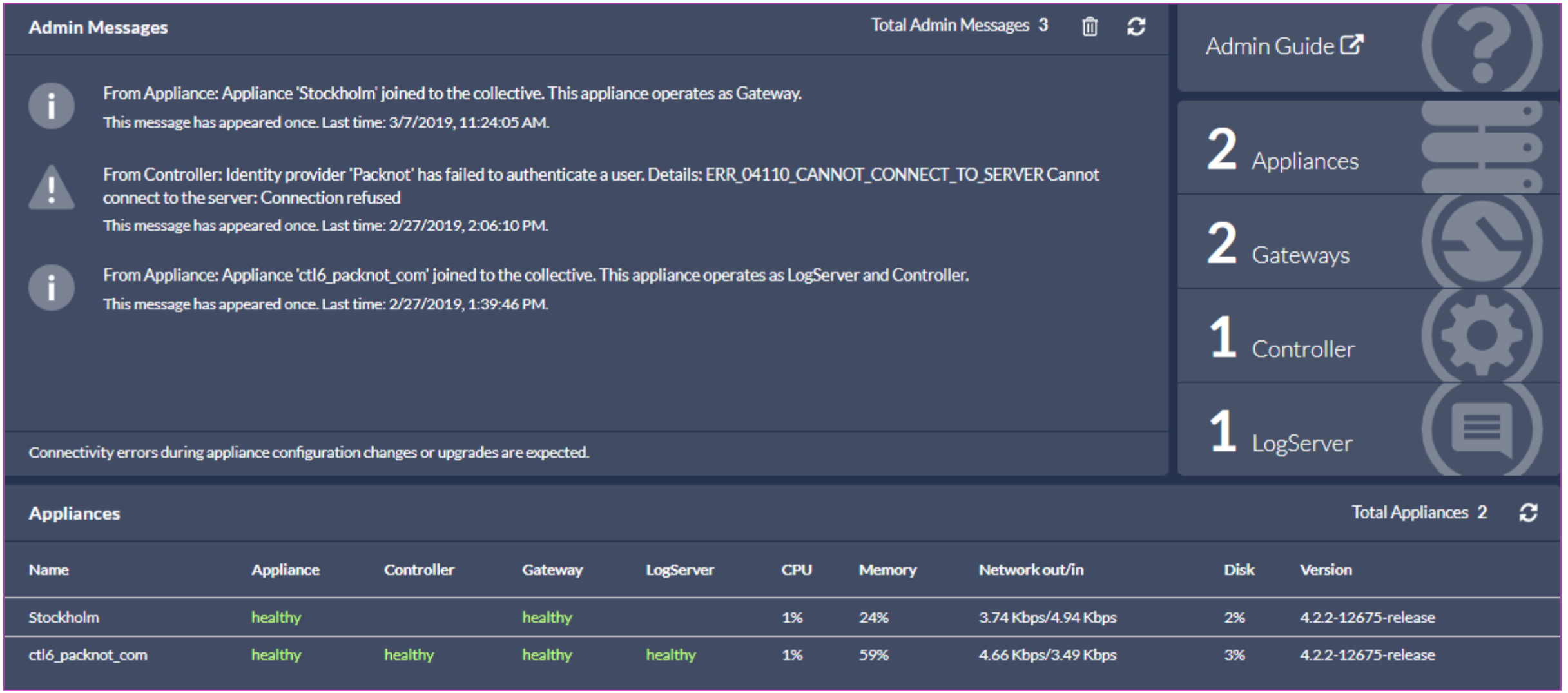
```
scp -i ~/keys/mykey ~/Desktop/newgateway_seed.json cz@newgateway.wherever.com:/home/cz
```

```
C:\Users\lefteris.chairetakis>scp -i C:\Users\lefteris.chairetakis\Downloads\ing.pem C:\Users\lefteris.chairetakis\Downl
oads\stockholm-seed.json cz@gw6.packnot.com:/home/cz
The authenticity of host 'gw6.packnot.com (13.53.35.74)' can't be established.
RSA key fingerprint is SHA256:/55e1cKy4gyX3I584gNwqfG7SCS4etaCPB7ba7mK/Qo.
Are you sure you want to continue connecting (yes/no)?
Warning: Permanently added 'gw6.packnot.com,13.53.35.74' (RSA) to the list of known hosts.
Authorized uses only. All activity may be monitored and reported.
stockholm-seed.json                                           100%   11KB 736.5KB/s   00:00
```

```
Authorized uses only. All activity may be monitored and reported.
Last login: Thu Mar  7 10:18:48 2019 from 212.16.176.132
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.15.0-43-generic x86_64)
AppGate 4.2.2-12675-release (image1)
Hint: run 'sudo cz-setup' for appliance management.
cz@ec2-13-53-35-74:~$
Appliance seed configuration file picked up at /home/cz/stockholm-seed.json
```

- Wait until the Appliance appears on the Dashboard

Step 5: Verify in Controller the new Gateway

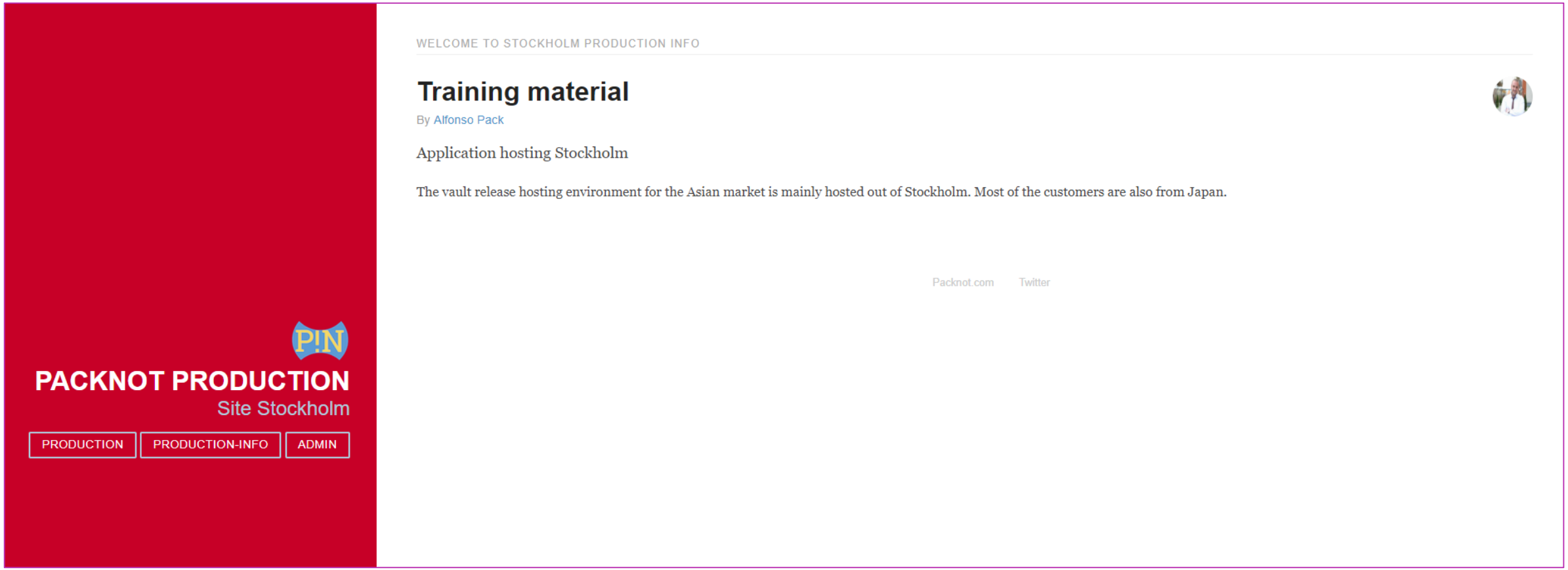


Step 6: Test the scenario works as expected

1. Create Entitlement to give access to the production services described in http://intranet.packnot.lab/doc
2. Add the Entitlement to the distribution policy
3. Login with a user belonging to the distribution group and verify access to the services
4. Can you access all services and links on the production site?

Result

http://192.168.10.200/



Route print on user machine

```
IPv4 Route Table
===========================================================================
Active Routes:
Network Destination        Netmask          Gateway       Interface  Metric
          0.0.0.0          0.0.0.0     192.168.10.1   192.168.10.176     40
         10.10.0.0      255.255.0.0         On-link     192.168.100.1      1
   10.10.255.255  255.255.255.255         On-link     192.168.100.1    257
    13.231.89.80  255.255.255.255     192.168.10.1   192.168.10.176     40
    35.158.84.20  255.255.255.255     192.168.10.1   192.168.10.176     40
       127.0.0.0        255.0.0.0         On-link         127.0.0.1    331
       127.0.0.1  255.255.255.255         On-link         127.0.0.1    331
  127.255.255.255  255.255.255.255         On-link         127.0.0.1    331
    192.168.10.0    255.255.255.0         On-link   192.168.10.176    296
    192.168.10.1  255.255.255.255         On-link   192.168.10.176     40
  192.168.10.176  255.255.255.255         On-link   192.168.10.176    296
  192.168.10.200  255.255.255.255         On-link     192.168.100.1      1
  192.168.10.255  255.255.255.255         On-link   192.168.10.176    296
   192.168.100.1  255.255.255.255         On-link     192.168.100.1    257
        224.0.0.0        240.0.0.0         On-link         127.0.0.1    331
        224.0.0.0        240.0.0.0         On-link     192.168.100.1    257
        224.0.0.0        240.0.0.0         On-link   192.168.10.176    296
  255.255.255.255  255.255.255.255         On-link         127.0.0.1    331
  255.255.255.255  255.255.255.255         On-link     192.168.100.1    257
  255.255.255.255  255.255.255.255         On-link   192.168.10.176    296
===========================================================================
```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The end
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