

[Skip to main content](#)

r/ ccna

Search in r/ccna

[Log In](#) r/ccna • 8 yr. ago  
jvrang

## What are the benefits of buying more than one public IP address from your ISP?

Currently reviewing the Dynamic NAT and PAT for the ICND1. So I do know that PAT uses ports to translate its private addresses to a single public IP via overloading. While dynamic NAT uses pool of public addresses to translate private addresses.

Do dynamic NAT which has more than one public address translates faster? What are the benefits of having more public addresses?



1



8



Share



OpenAI • Official • Promoted



ICYMI, ChatGPT can help you learn something new, offering detailed insights, simple explanations, or fresh perspectives. Try it out today.

[Sign Up](#)[chatgpt.com](#)**ChatGPT**[+ Add a comment](#)Sort by: **Best** ▾

jupeepamintuan • 8y ago

I Think they use it more inside your own private network.



1



Reply



EVPN • 8y ago

You can make use of proxy arp and destination and 1to1 NAT to expose internal services to the Internet. You could also route the additional addresses internally and assign public ips directly to other devices.



1



Reply



\_chrisjhart • 8y ago

[Skip to main content](#)

r/

[Log In](#)

The largest benefit of having more public addresses is that you can expose internal services to the public internet. For example, let's say I'm the network administrator of a small shipping company. At our headquarters, I need to provide internet access for 200 hosts, as well as host a web server that allows our customers to order online. The easiest way to do that is order two public IP addresses from my ISP, use one of them to provide access for all of my hosts via PAT, and translate the private IP address of the web server to the second public IP address via Dynamic NAT.

Could I do that with a single public IP address with PAT? Sure! I can port-forward ports 80 and 443 to the web server, and have my hosts use the rest of the ports available. However, that doesn't scale very well - what if I have two web servers that I need to expose to the internet, both of which are listening on port 80? I would need to set up a reverse proxy server, then forward traffic on port 80 from my WAN router to the reverse proxy server, then configure the reverse proxy server to forward and receive requests on behalf of the web servers depending on which website the user is accessing. Purchasing public IP addresses for each of my internal services that need to be exposed to the internet is much easier in the long run, albeit arguably more expensive.

 1   Reply ... 4 more replies**SnailOnPsychotropics** • 8y ago

I remember the days when that was the ISPs only answer to "I want to use more than one computer". They didn't officially support (nor lease) routers. And public IPv4 addresses could be had for like \$5-10/mo (at least for residential). Ahhhh, back before the internet was so toxic. You got me reminiscing.

 1   Reply ...

## New to Reddit?

Create your account and connect with a world of communities.

[Continue with Google](#)[Continue with Email](#)[Continue With Phone Number](#)

By continuing, you agree to our [User Agreement](#) and acknowledge that you understand the [Privacy Policy](#).

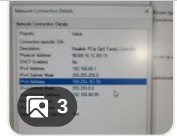


r/networking • 12 yr. ago

**Why do I need more than one public IP for one company?**

[Skip to main content](#)

r/

[Log In](#)

## Two IPV4 addresses making BootP impossible.

18 upvotes · 41 comments



r/IndianGaming • 3 yr. ago

## Can ISP allocate same IP address to multiple customers at the same time?

38 upvotes · 25 comments



r/networking • 3 yr. ago

## Organization is using all public IPs instead of private?

129 upvotes · 241 comments



r/Premiumize • 5 mo. ago

## Why do people say you can use this service on multiple ip addresses at the same time?

1 upvote · 45 comments



r/thundr • 7 mo. ago

## Info about IP address

8 upvotes · 16 comments



r/networking • 4 yr. ago

## How many IP addresses do I need in my NAT pool?

13 comments



r/networking • 3 yr. ago

## Using multiple IPs from the same modem

7 upvotes · 39 comments



r/computerscience • 3 yr. ago

## Is IP address unique for a user?

109 upvotes · 30 comments



r/ccna • 9 mo. ago

## Advice on becoming a network engineer

26 upvotes · 17 comments

[Skip to main content](#)[Log In](#)

7 upvotes · 16 comments



r/networking · 3 mo. ago

### How to find the IP address of a non PC device

46 comments



r/networking · 7 yr. ago

### multiple ip's on a server?

11 upvotes · 63 comments



r/HomeNetworking · 4 days ago

### Is 100 mbps enough for one person?

130 upvotes · 272 comments



r/ccna · 5 mo. ago

### Best way to learn computer networking?

17 upvotes · 18 comments



r/TheMonkeysPaw · 4 mo. ago

### I wish I had 18TB/s Internet, for free, on any device, wherever I happen to be, for the rest of my living days, and beyond as my next of kin inherit it.

102 upvotes · 36 comments



r/AlgorandOfficial · 1 mo. ago

### Those who are running a node, what internet speed do you have?

24 upvotes · 29 comments



r/ccna · 8 yr. ago

### Isn't NAT overloading and dynamic NAT the same?

3 upvotes · 12 comments



r/networking · 4 mo. ago

### Massive subnet for a small network?

26 upvotes · 77 comments

[Skip to main content](#)[Log In](#)

67 upvotes · 18 comments



r/networking • 8 days ago

### Non-American networking vendors?

48 upvotes · 195 comments



r/NepalSocial • 2 mo. ago

### how fast is your internet speed?

33 upvotes · 71 comments



r/bittensor\_ • 2 mo. ago

### Need general advice on choosing a subnet

6 upvotes · 10 comments



r/networking • 26 days ago

### What to do with old networking gear which is 100% functional?

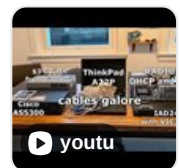
66 upvotes · 64 comments



r/retrobattlestations • 4 mo. ago

### Let's build a Dial-Up ISP: Part 1

45 upvotes · 8 comments



#### TOP POSTS



Reddit

#### reReddit: Top posts of August 13, 2017



Reddit

#### reReddit: Top posts of August 2017



Reddit



Log In