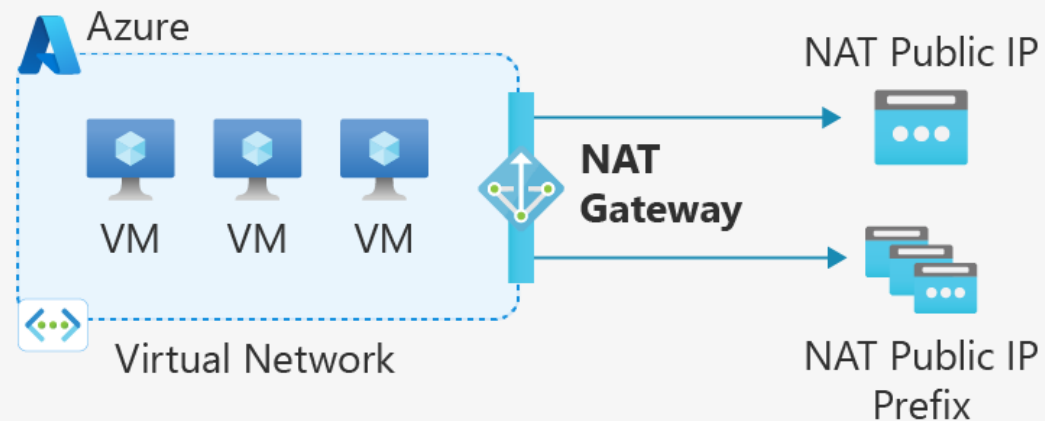
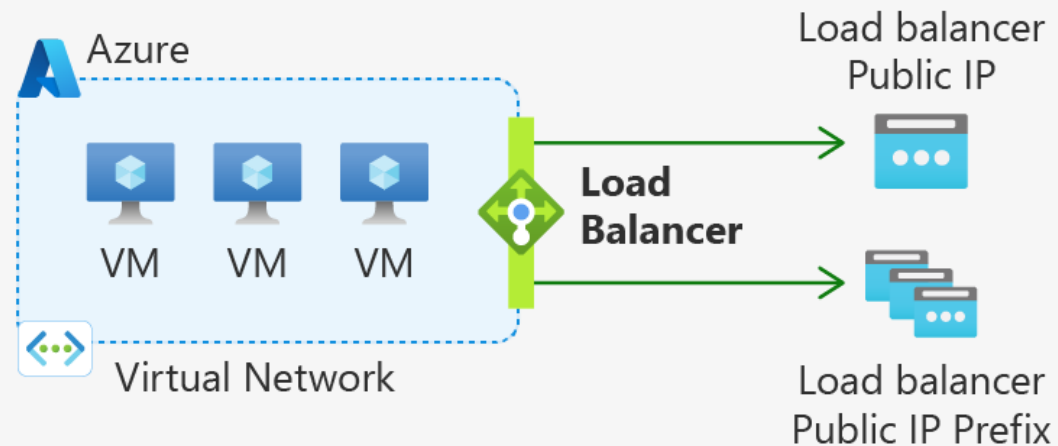
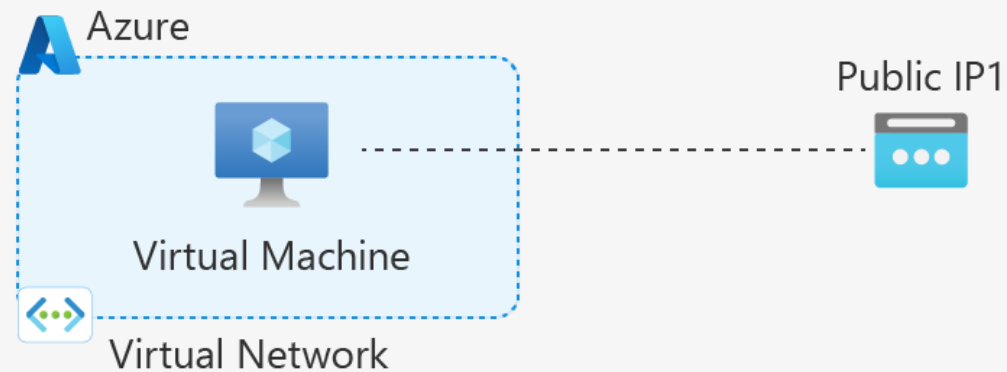
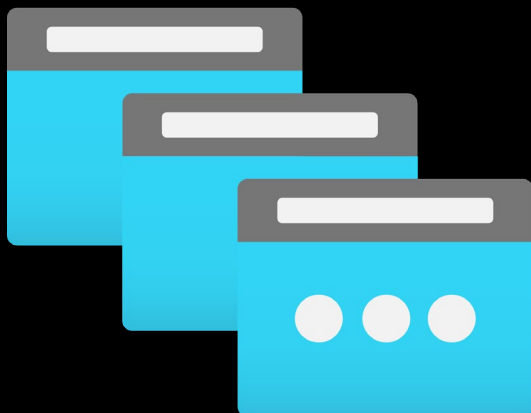


# Azure Public IP prefix



# Azure Public IP prefix

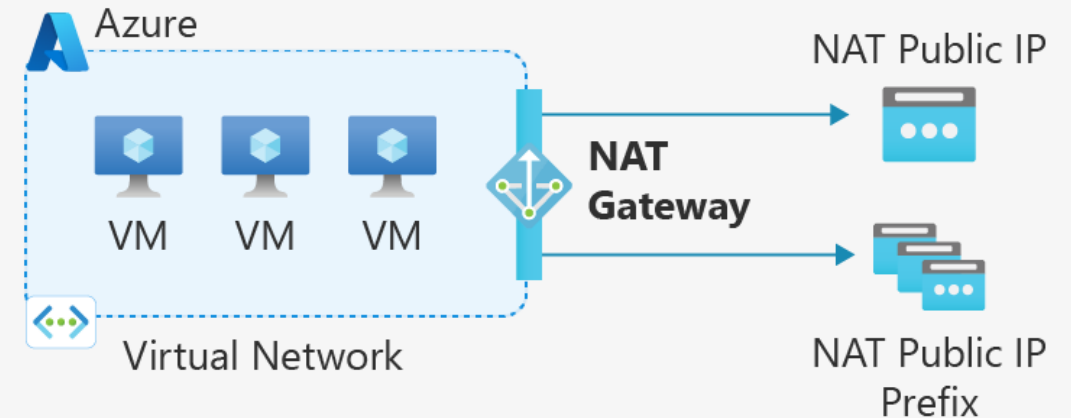
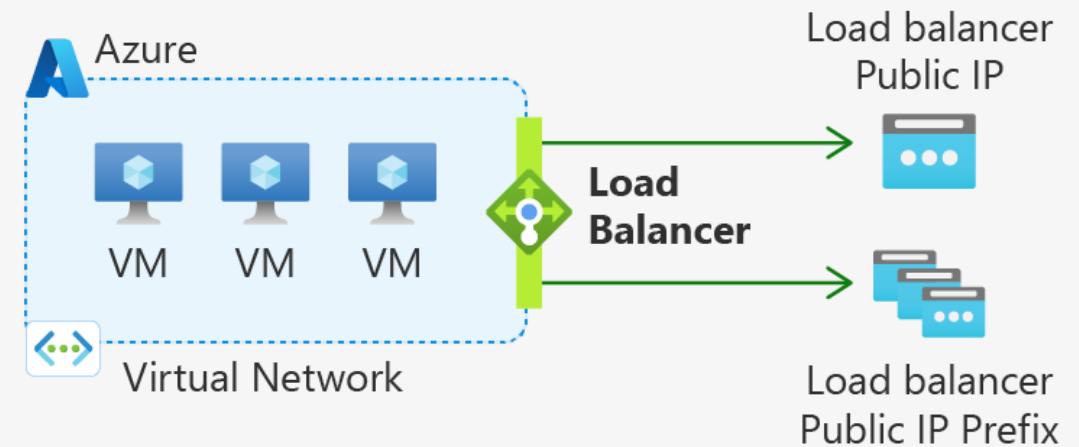
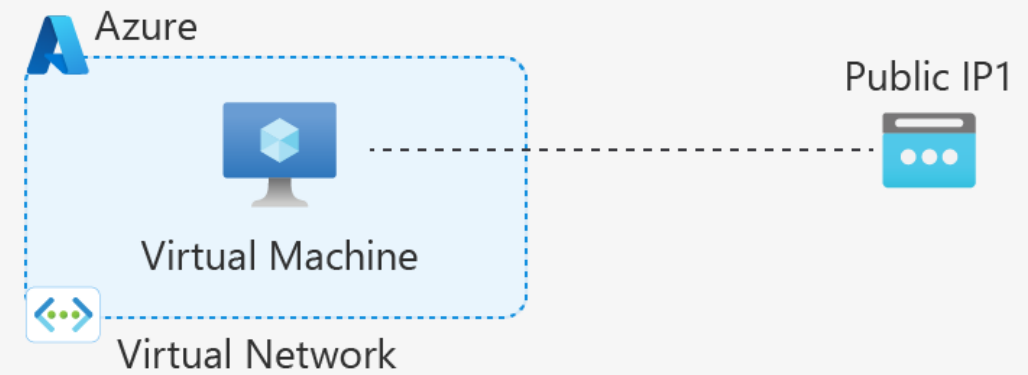
**Reserved range** of public IP addresses.

Assigned from a pool of addresses in each Azure region.

A public IP **address** can be created from the prefix.

IP addresses are **reserved for your use** until you delete your prefix.

You can reserve a prefix with **1 (/32), 2 (/31), 4 (/30), 8 (/29) or 16 (/28) IPs**. No more.



# Azure Public IP prefix creation

```
az group create -n rg-pip-prefix -l westeurope
```

```
az network public-ip prefix create --length 28 -l westeurope -n pip-prefix-demo -g rg-pip-prefix  
# "ipPrefix": "172.201.203.176/28"
```

```
az network public-ip create -g rg-pip-prefix -n pip-demo-01 --ip-address 172.201.203.176  
--public-ip-prefix pip-prefix-demo
```

```
az network public-ip prefix show -n pip-prefix-demo -g rg-pip-prefix
```

The screenshot displays the Azure portal interface for a resource named 'pip-prefix-demo' (Public IP Prefix). The left sidebar shows navigation options: Overview, Activity log, Access control (IAM), Tags, and Settings. The main content area is divided into two panels. The left panel, titled 'Essentials', provides a summary of the resource's state: Provisioning state is 'Succeeded', IP prefix is '172.201.203.176/28', SKU is 'Standard', Version is 'IPv4', and Allocated IP addresses are '3 of 16'. The right panel, titled 'Public IP addresses', shows a list of three associated public IP addresses: 'pip-demo-01', 'pip-demo-02', and 'pip-demo-03'. Both panels include a search bar and action buttons like Refresh, Move, Delete, and Add IP address.

**pip-prefix-demo** Public IP Prefix

Search

Refresh Move Delete Add IP address

**Essentials**

Provisioning state	: Succeeded
IP prefix	: 172.201.203.176/28
SKU	: Standard
Version	: IPv4
Allocated IP addresses	: 3 of 16

**pip-prefix-demo | Public IP addresses** Public IP Prefix

Search

Search public IP addresses

**Settings**

- Public IP addresses
- Properties
- Locks

**Public IP address**

- pip-demo-01
- pip-demo-02
- pip-demo-03