Configuring Internet Access

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Module Overview

Give our public subnet access to the internet

- Direct access with public IPs

Give our private subnet access to the internet

- Access via NAT proxy

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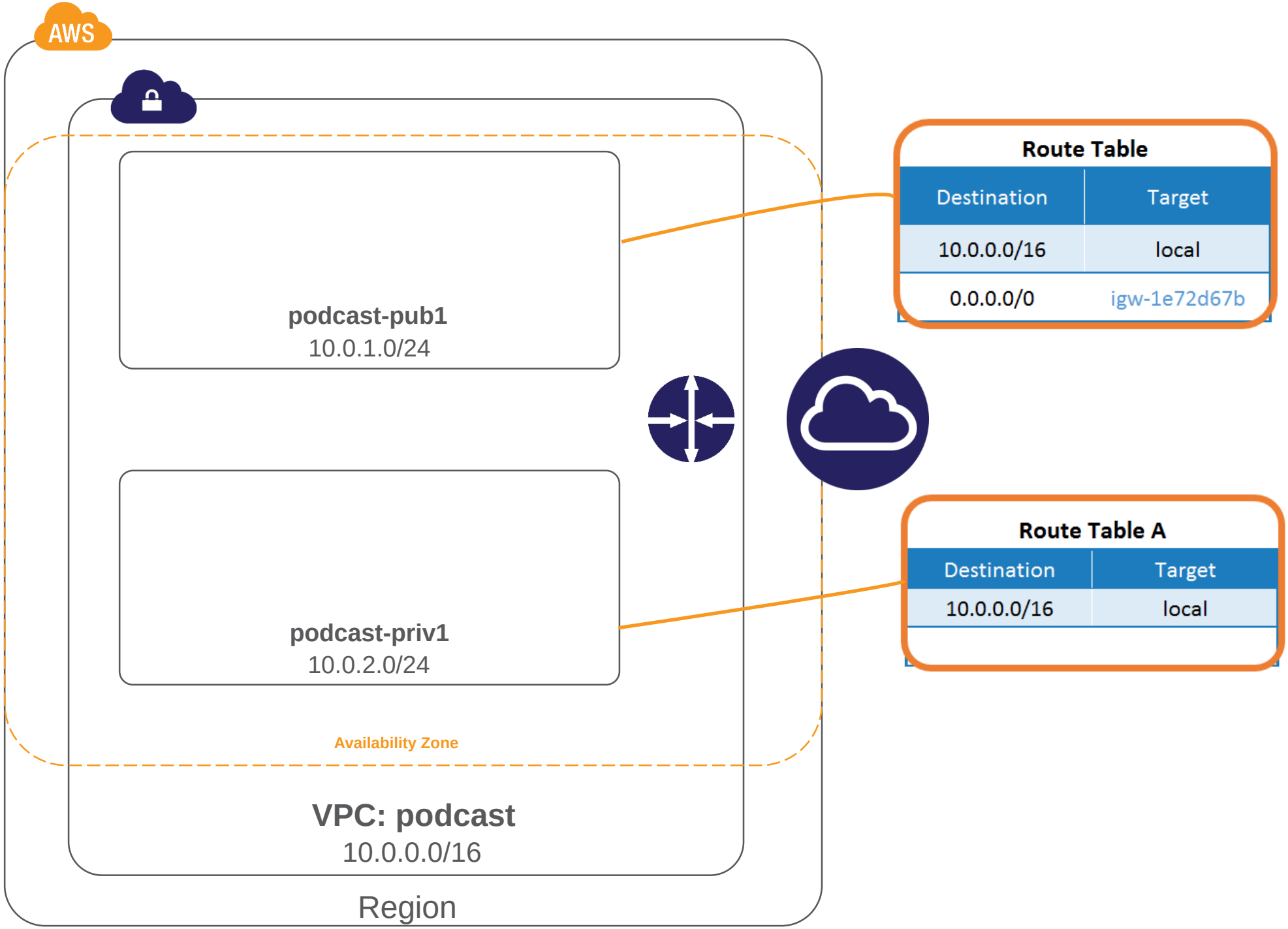
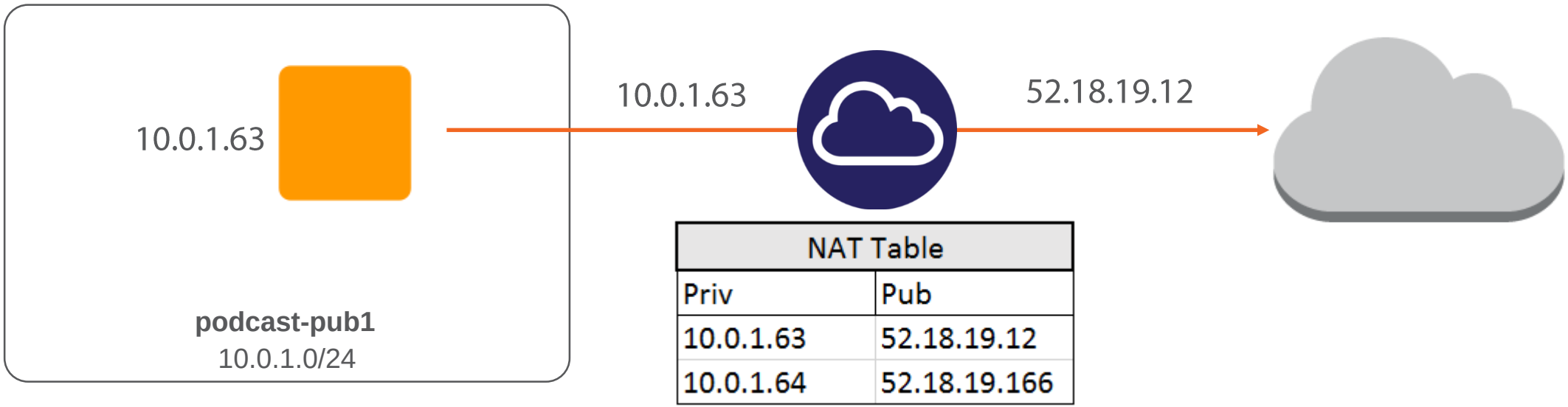

AWS
podcast-pub1
10.0.1.0/24
podcast-priv1
10.0.2.0/24
Availability Zone
VPC: podcast
10.0.0.0/16
Region
Route Table
Destination
Target
10.0.0.0/16
local
0.0.0.0/0
igw-1e72d67b
Route Table A
Destination
Target
10.0.0.0/16
local



NAT Table	
Priv	Pub
10.0.1.63	52.18.19.12
10.0.1.64	52.18.19.166

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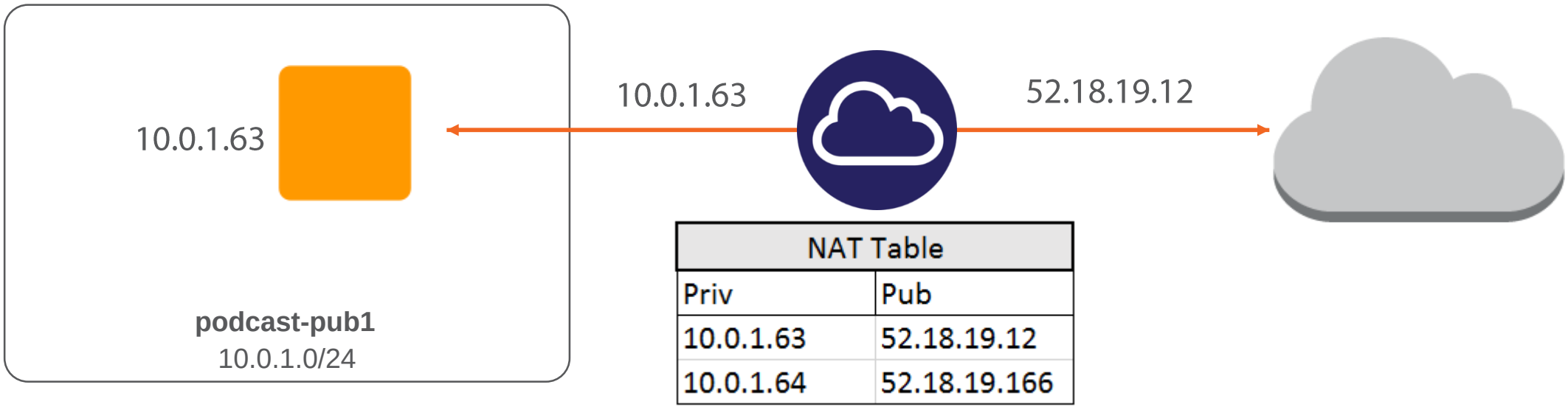

NAT Table	
Priv	Pub
10.0.1.63	52.18.19.12
10.0.1.64	52.18.19.166

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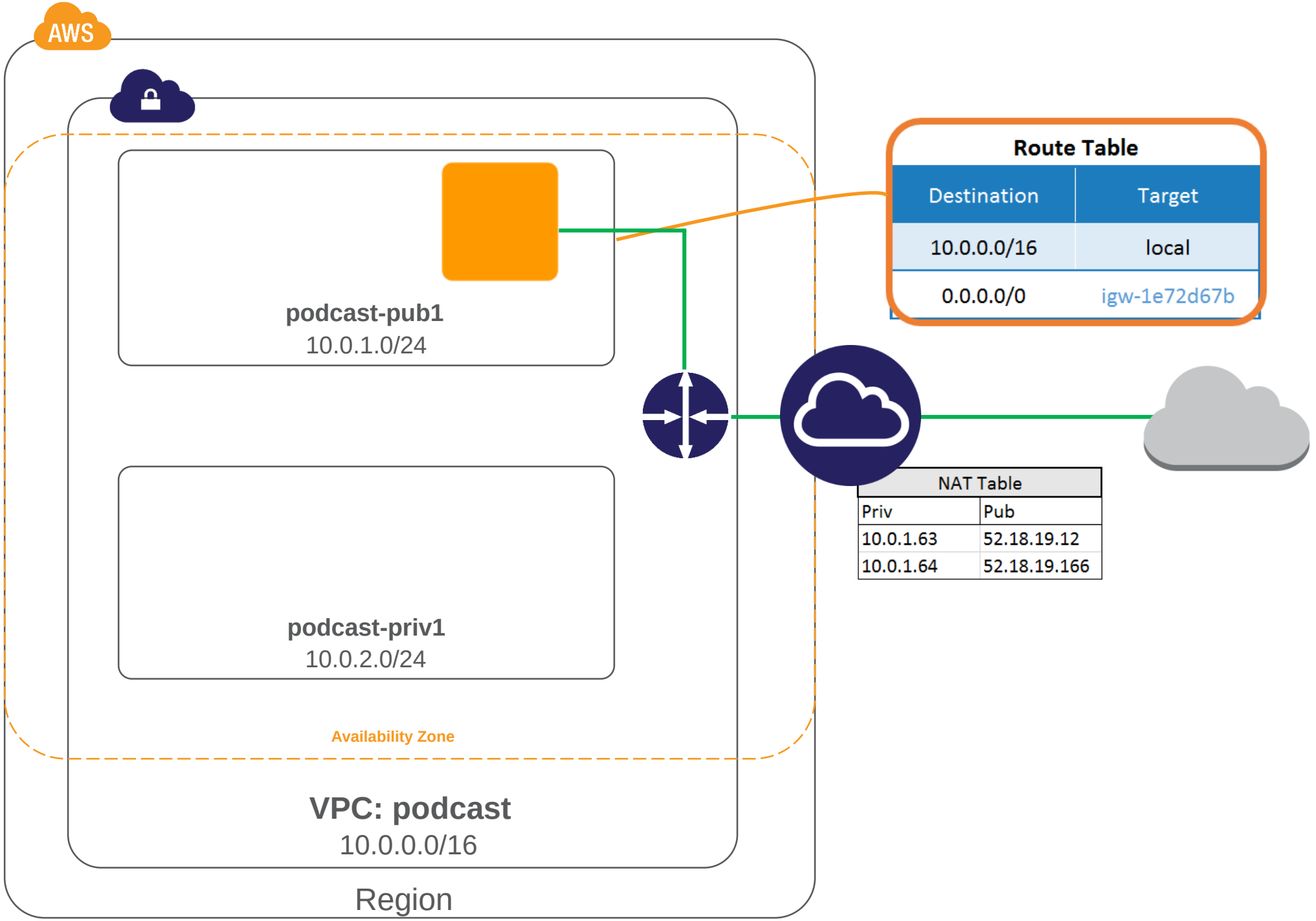

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Connecting a Private Subnet to the Internet

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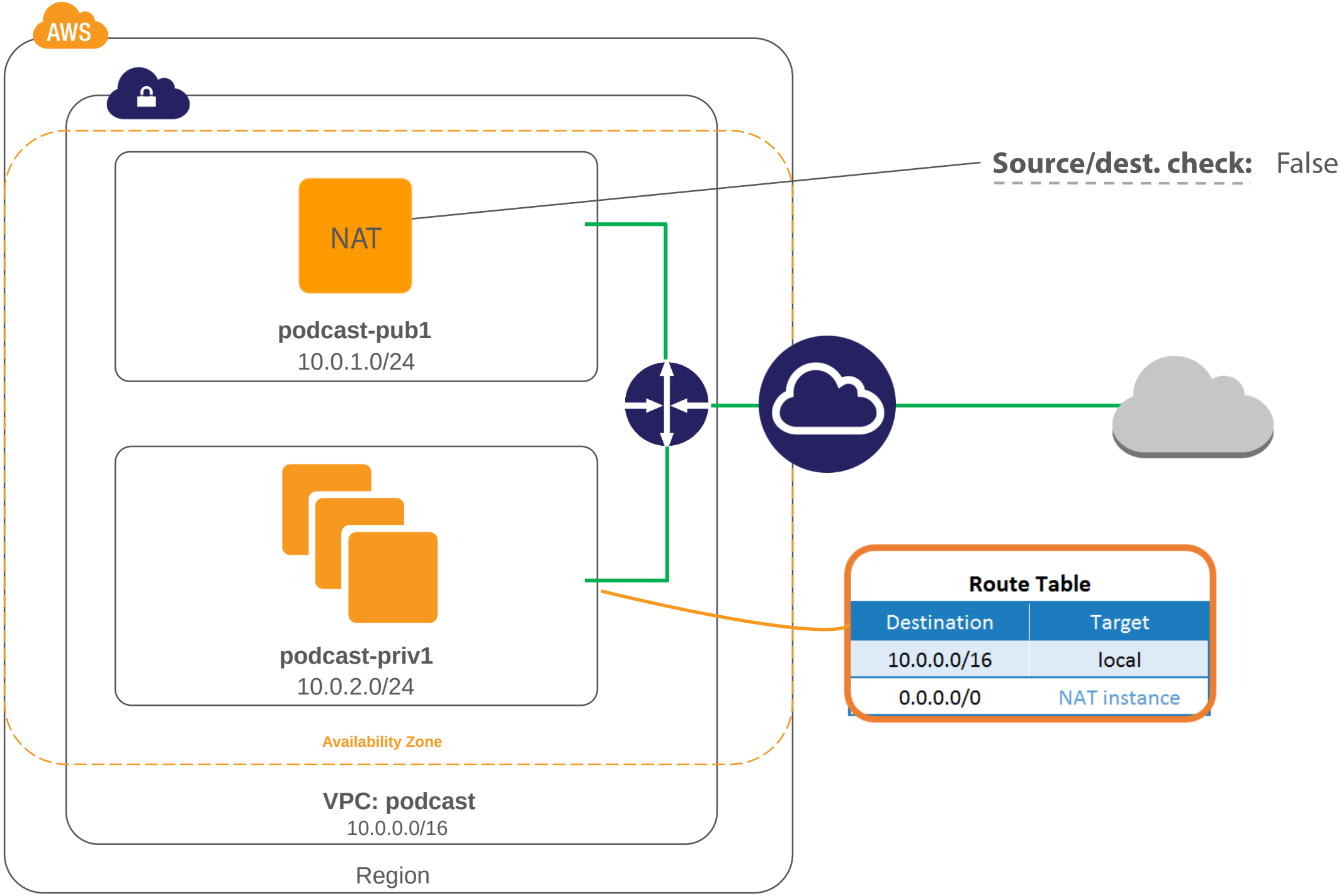

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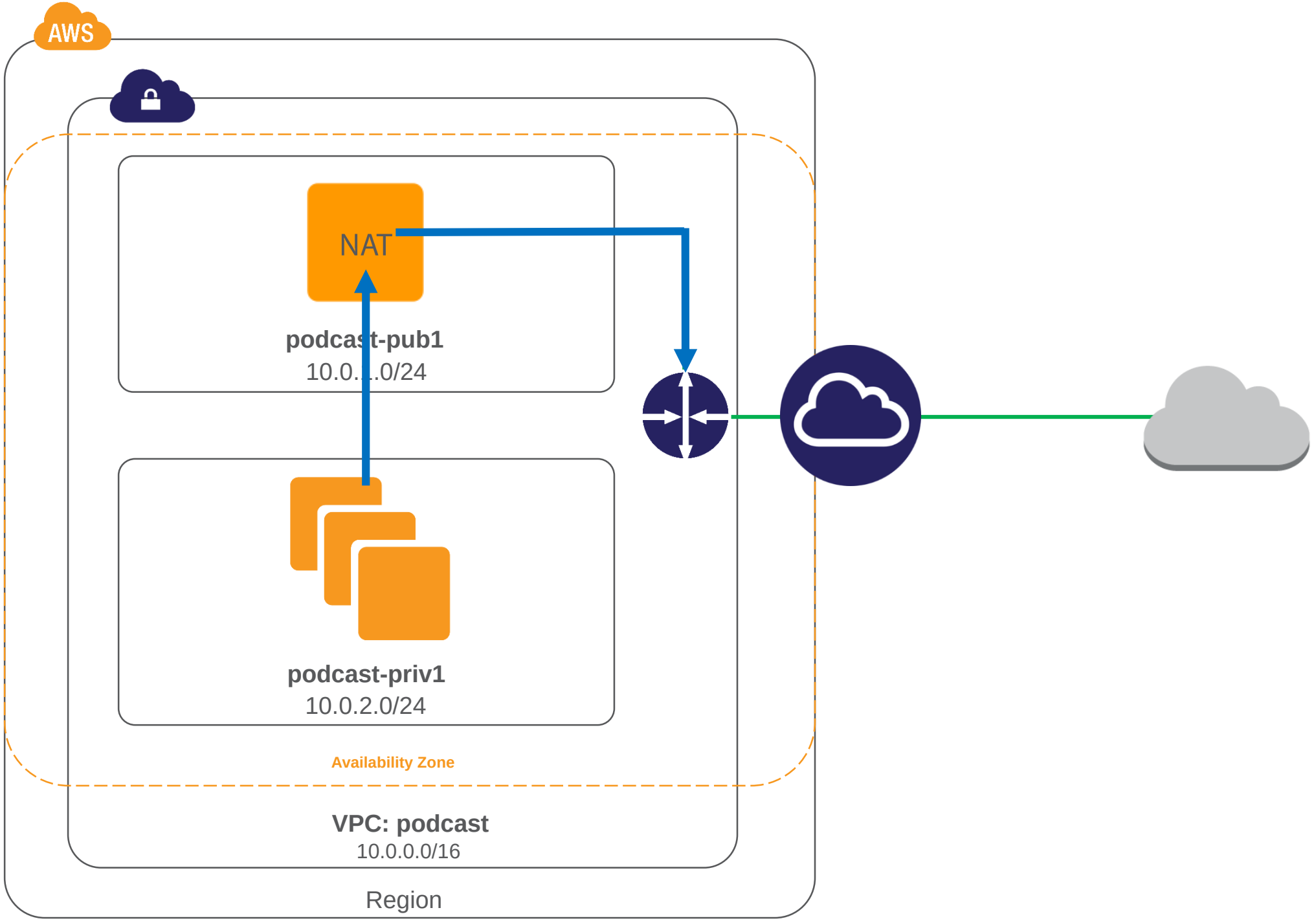

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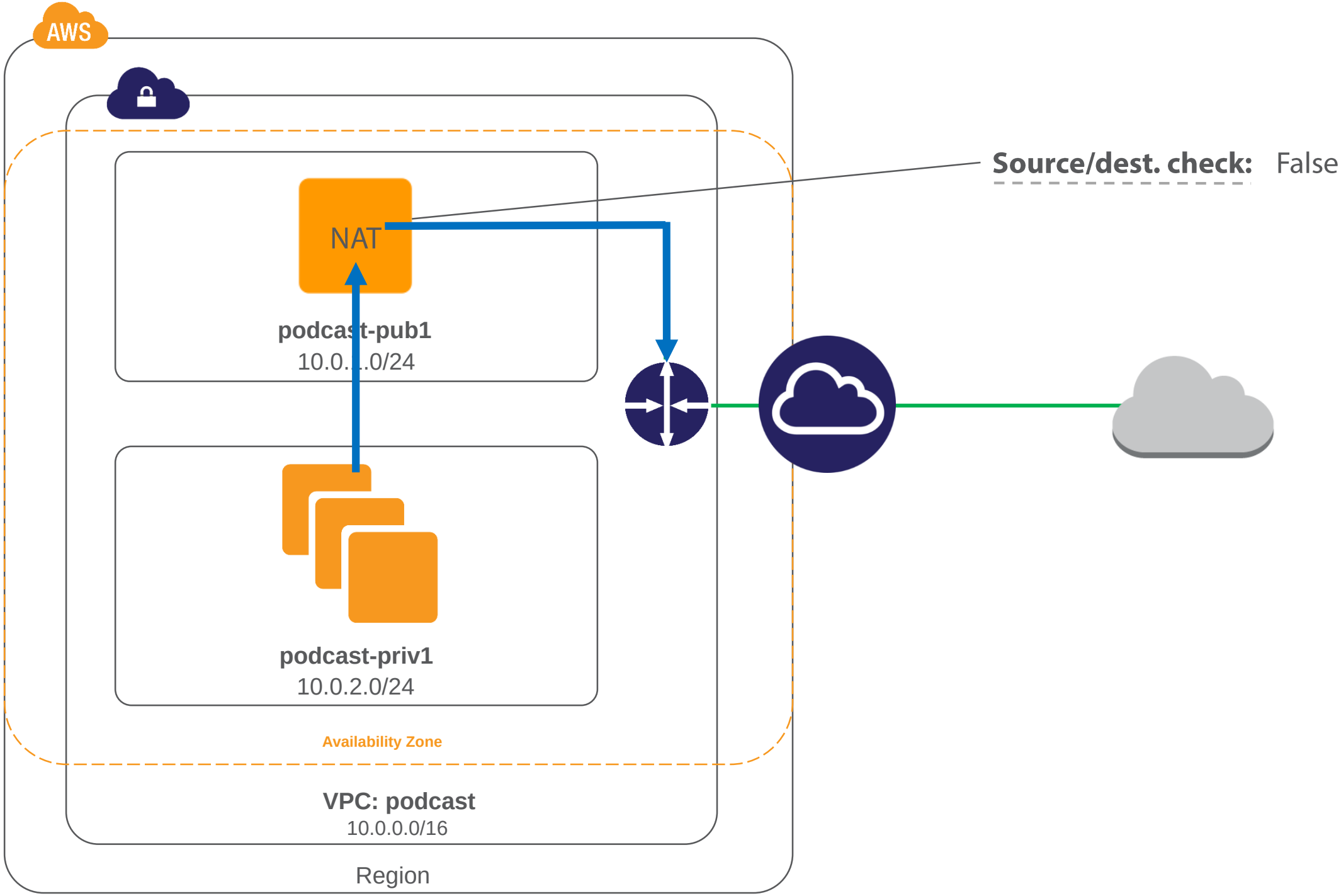
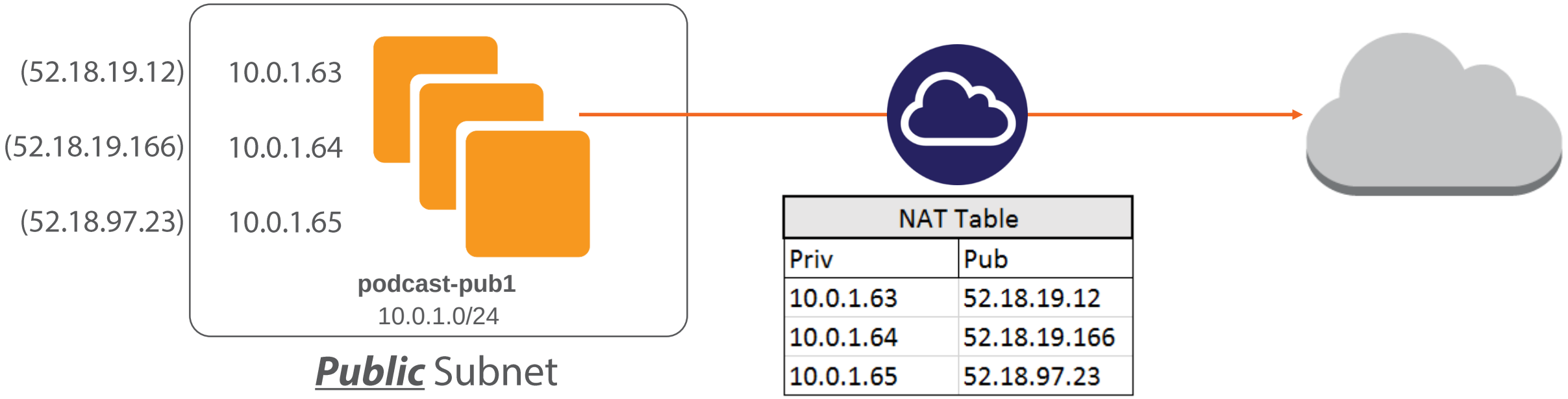

AWS
NAT
Source/dest. check: False
podcast-pub1
10.0.1.0/24
podcast-priv1
10.0.2.0/24
Availability Zone
VPC: podcast
10.0.0.0/16
Region



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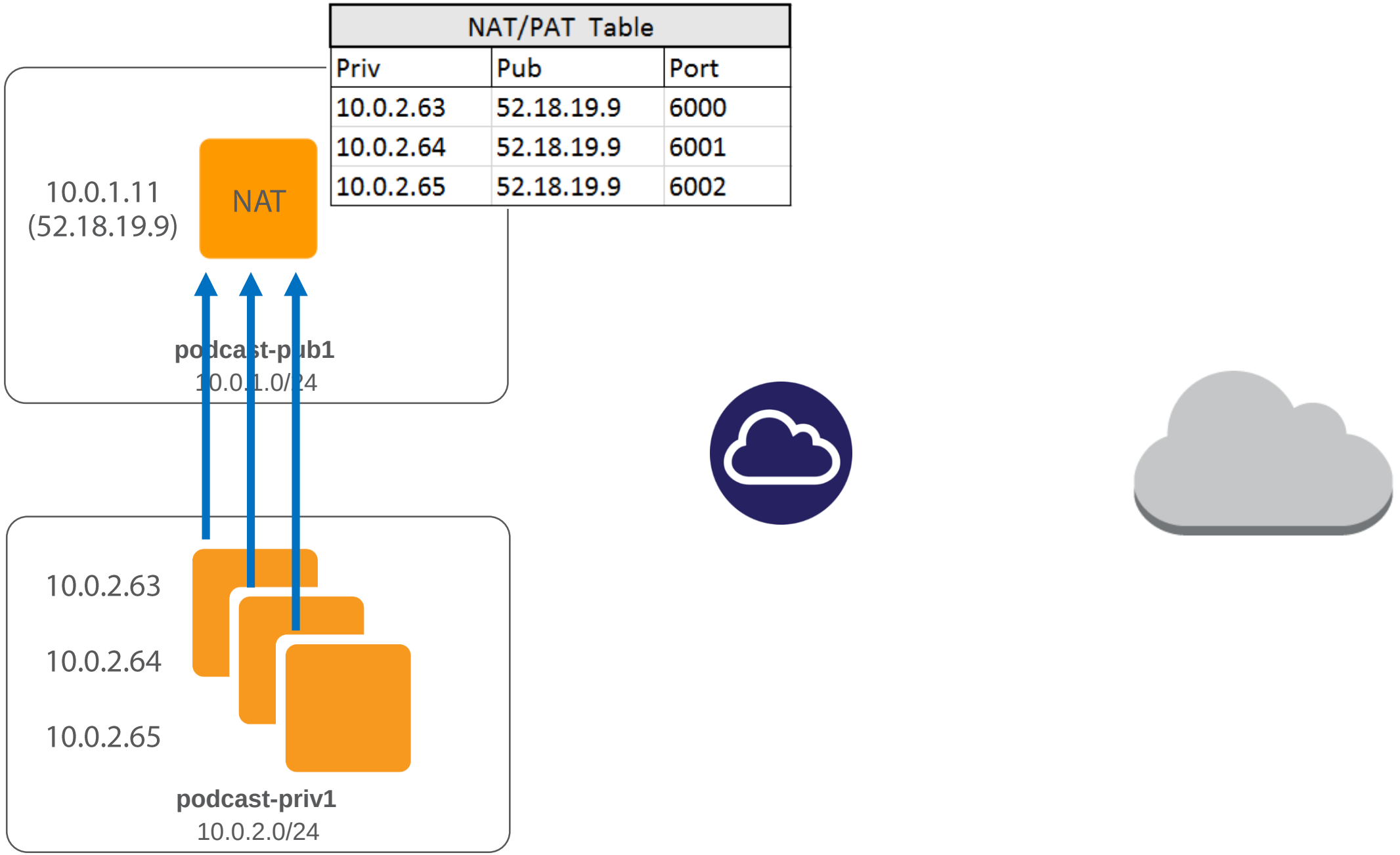
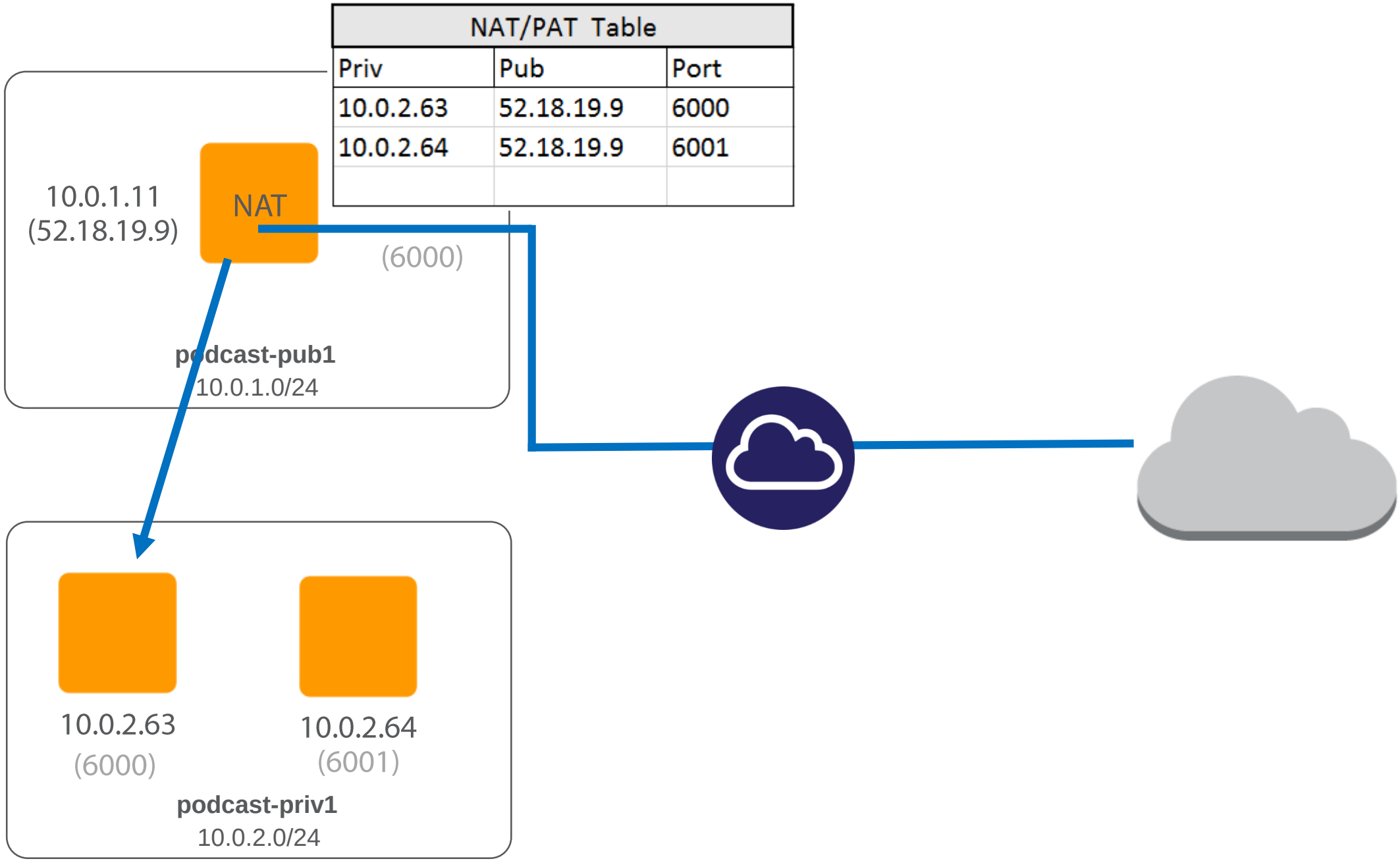

NAT/PAT Table
Priv
Pub
Port
10.0.2.63
52.18.19.9
6000
10.0.2.64
52.18.19.9
6001
10.0.2.65
52.18.19.9
6002
10.0.1.11
(52.18.19.9)
NAT
podcast-pub1
10.0.1.0/24
10.0.2.63
10.0.2.64
10.0.2.65
podcast-priv1
10.0.2.0/24


NAT/PAT Table
Priv
Pub
Port
10.0.2.63
52.18.19.9
6000
10.0.2.64
52.18.19.9
6001
10.0.1.11
(52.18.19.9)
NAT
(6000)
podcast-pub1
10.0.1.0/24
10.0.2.63
(6000)
10.0.2.64
(6001)
podcast-priv1
10.0.2.0/24

Summary

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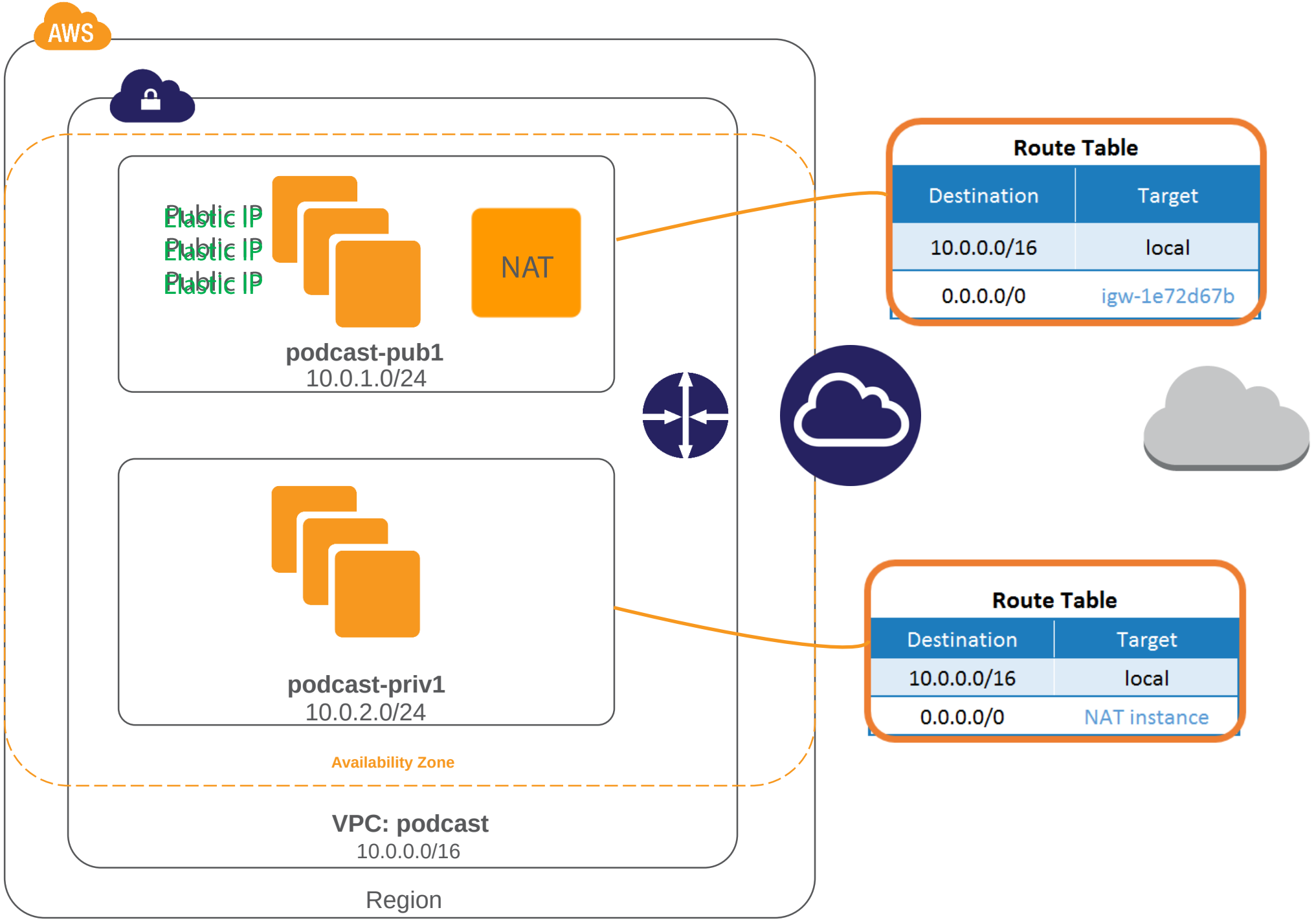
AWS
Public IP
Elastic IP
Public IP
Elastic IP
Public IP
Elastic IP
NAT
podcast-pub1
10.0.1.0/24
podcast-priv1
10.0.2.0/24
Availability Zone
VPC: podcast
10.0.0.0/16
Region
Route Table
Destination
Target
10.0.0.0/16
local
0.0.0.0/0
igw-1e72d67b
Route Table
Destination
Target
10.0.0.0/16
local
0.0.0.0/0
NAT instance

Coming Up Next…

Security Groups and Network ACLs

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