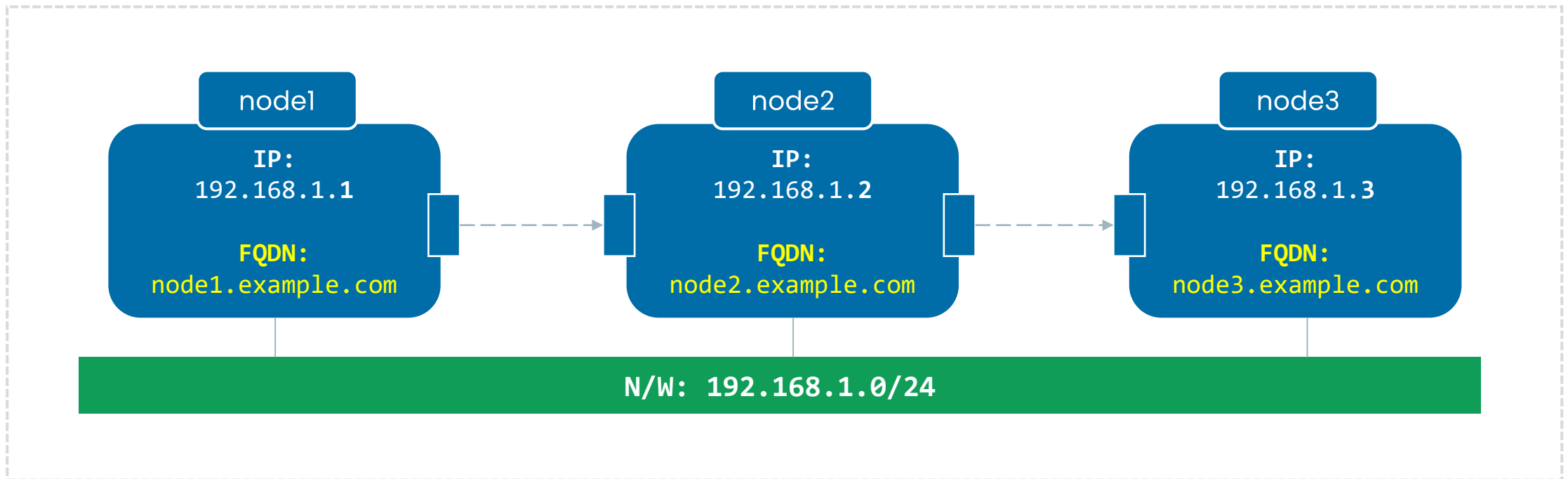




Domain Name Service (DNS)



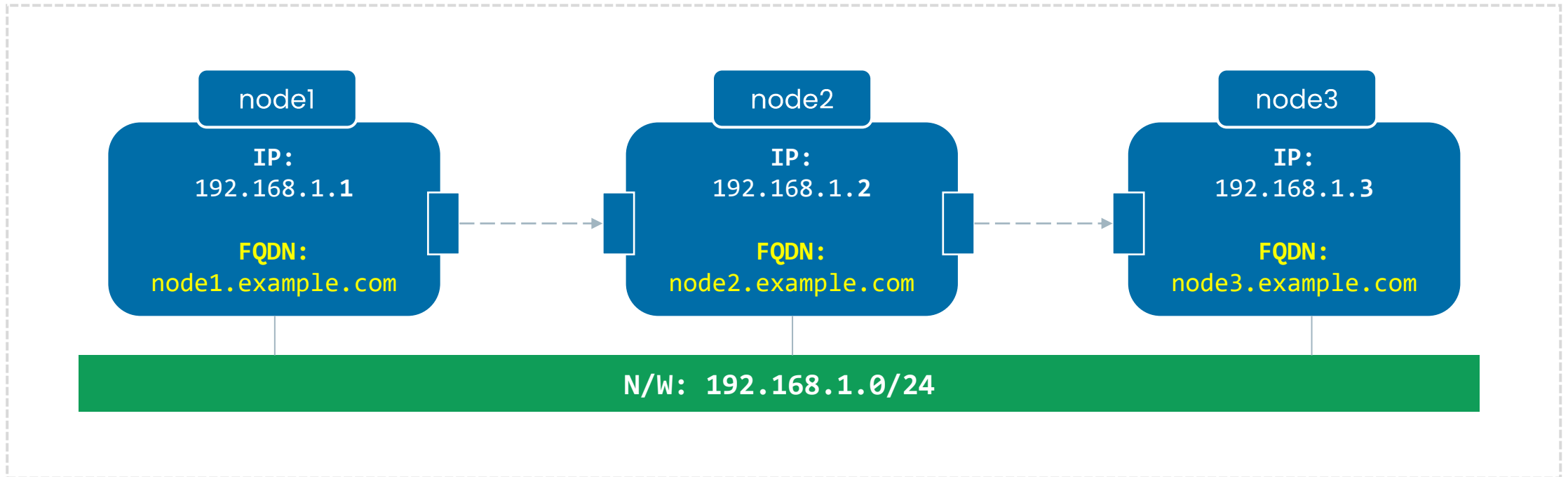
Why DNS Server?



```
node1# ping 192.168.1.2
```

```
64 bytes from 192.168.1.2 icmp_seq=1 ttl=64 time=1.26 ms
64 bytes from 192.168.1.2 icmp_seq=1 ttl=64 time=1.26 ms
...
```

Why DNS Server?



```
node1# cat /etc/hosts
```

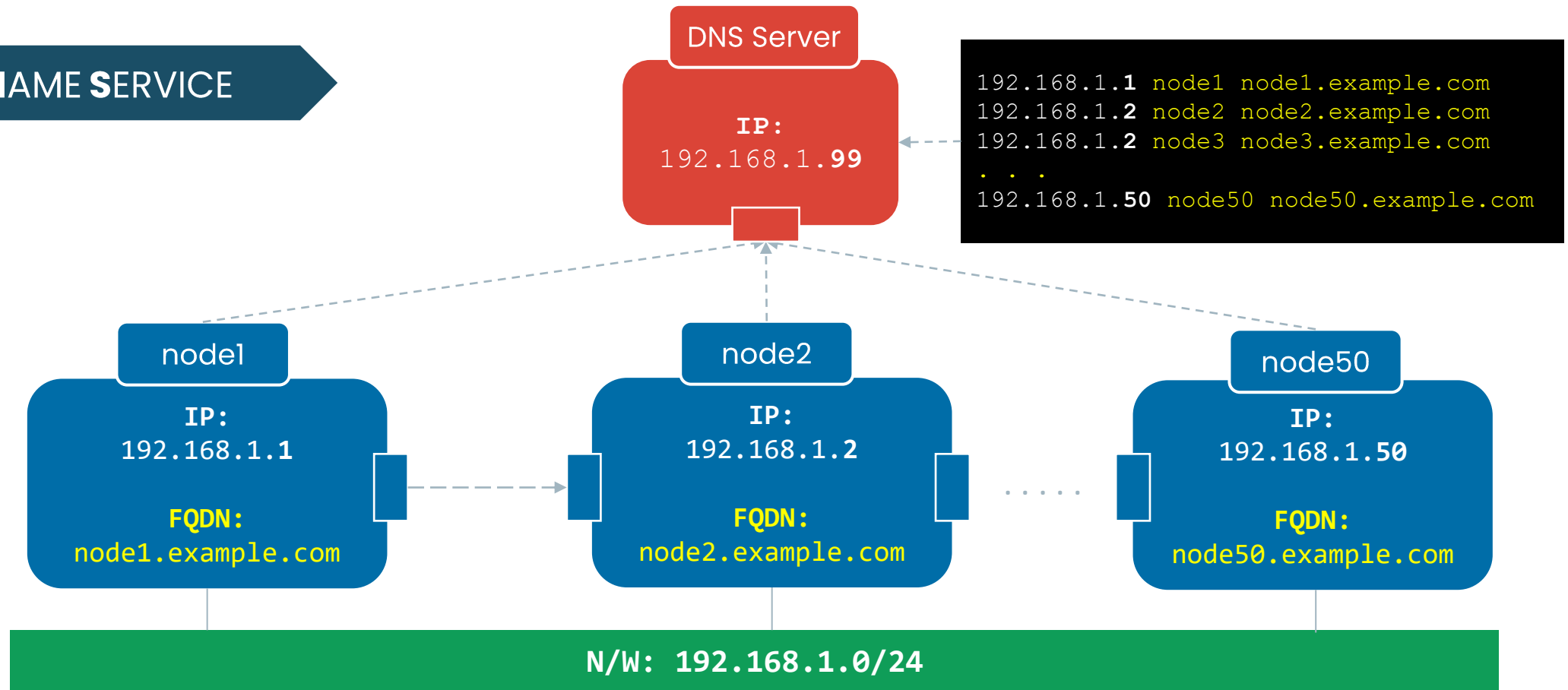
```
192.168.1.1 node1 node1.example.com
192.168.1.2 node2 node2.example.com
192.168.1.3 node3 node3.example.com
```

```
node1# ping node2
```

```
PING db (192.168.1.2) 56(84) bytes of data.
64 bytes from db (192.168.1.2): icmp_seq=1 ttl=64 time=1.56 ms
64 bytes from db (192.168.1.2): icmp_seq=2 ttl=64 time=0.231 ms
```

Domain **N**ame **S**ervice

DOMAIN NAME SERVICE



```
node1# cat /etc/resolv.conf
```

```
nameserver 192.168.1.99
```

```
node1# ping node2
```

```
64 bytes from node2 (192.168.1.2): icmp_seq=1 ttl=64 time=1.38 ms
64 bytes from node2 (192.168.1.2): icmp_seq=1 ttl=64 time=1.38 ms
. . .
```