



# Create a subnet

ONTAP 9

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After you create the broadcast domain, you can create a subnet to allocate specific blocks of IPv4 or IPv6 addresses to be used later when you create LIFs for the SVM.

This enables you to create LIFs more easily by specifying a subnet name instead of having to specify IP address and network mask values for each LIF.

## Before you begin

You must be a cluster administrator to perform this task.

## Steps

1. Create a subnet.

```
network subnet create -broadcast-domain ipspace1 -ip-space ipspace1  
-subnet-name ipspace1 -subnet 10.0.0.0/24 -gateway 10.0.0.1 -ip-ranges  
"10.0.0.128-10.0.0.130,10.0.0.132"
```

The subnet name can be either a subnet IP value such as `192.0.2.0/24` or a string such as `ip-space1` like the one used in this example.

2. Verify that the subnet configuration is correct.

The output from this example shows information about the subnet named `ip-space1` in the `ip-space1` IPspace. The subnet belongs to the broadcast domain name `ip-space1`. You can assign the IP addresses in this subnet to data LIFs for SVMs created in the `ip-space1` IPspace.

```
network subnet show -ip-space ip-space1
```

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