New Distributed Switch

1. Name and location
   - Name and location
   - Specify distributed switch name and location.

   Name: newdistributedswitch

2. Select version
   - Configure settings
   - Location: joesdc
New Distributed Switch

1. Name and location
2. Select version
3. Configure settings
4. Ready to complete

Configure settings
Specify number of uplink ports, resource allocation and default port group.

- Number of uplinks: 4
- Network I/O Control: Enabled
- Default port group: Create a default port group
- Port group name: DPortGroup

CANCEL  BACK  NEXT
New Distributed Switch

1. Name and location
2. Select version
3. Configure settings

Ready to complete

Review your settings selections before finishing the wizard.

Name: newdistributedswitch
Version: 6.0.0
Number of uplinks: 4
Network I/O Control: Enabled
Default port group: DPortGroup

Suggested next actions
- New Distributed Port Group
- Add and Manage Hosts

These actions will be available in the Actions menu of the new distributed switch.
newdistributedswitch - Add and Manage Hosts

1 Select task
2 Select hosts
3 Manage physical adapters
4 Manage VMkernel adapters
5 Migrate VM networking
6 Ready to complete

Select task
Select a task to perform on this distributed switch.

- Add hosts
  Add new hosts to this distributed switch.

- Manage host networking
  Manage networking of hosts attached to this distributed switch.

- Remove hosts
  Remove hosts from this distributed switch.

CANCEL  BACK  NEXT
newdistributedswitch - Add and Manage Hosts

- Select task
  1. Select task
  2. Select hosts
     - Select hosts to add to this distributed switch.
     - New hosts...
     - Remove

- Manage physical adapters
- Manage VMkernel adapters
- Migrate VM networking
- Ready to complete

CANCEL  BACK  NEXT
### Select New Hosts

<table>
<thead>
<tr>
<th>Host</th>
<th>Host State</th>
<th>Cluster</th>
<th>Compatibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>144.38.193.204</td>
<td>Connected</td>
<td>mycluster</td>
<td>Compatible</td>
</tr>
<tr>
<td>144.38.193.205</td>
<td>Connected</td>
<td>mycluster</td>
<td>Compatible</td>
</tr>
</tbody>
</table>
newdistributedswitch - Add and Manage Hosts

1. Select task
2. Select hosts
3. Manage physical adapters
4. Manage VMkernel adapters
5. Migrate VM networking
6. Ready to complete

**Manage physical adapters**

Add or remove physical network adapters to this distributed switch.

- **Assign uplink**
- **Unassign adapter**
- **View settings**

<table>
<thead>
<tr>
<th>Host/Physical Network Adapters</th>
<th>In Use by Switch</th>
<th>Uplink</th>
<th>Uplink Port Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>144.38.193.204</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On this switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic1 (Assigned)</td>
<td>--</td>
<td>Uplink 1</td>
<td>newdistributedsw--</td>
</tr>
<tr>
<td>On other switches/unclaimed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic0</td>
<td>vswitch0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>vmnic2</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>144.38.193.205</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On this switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic1 (Assigned)</td>
<td>--</td>
<td>Uplink 1</td>
<td>newdistributedsw--</td>
</tr>
<tr>
<td>On other switches/unclaimed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic0</td>
<td>vswitch0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>vmnic2</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
Select an Uplink

<table>
<thead>
<tr>
<th>Uplink</th>
<th>Assigned Adapter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uplink 1</td>
<td>vmnic1</td>
</tr>
<tr>
<td>Uplink 2</td>
<td>--</td>
</tr>
<tr>
<td>Uplink 3</td>
<td>--</td>
</tr>
<tr>
<td>Uplink 4</td>
<td>--</td>
</tr>
<tr>
<td>(Auto-assign)</td>
<td></td>
</tr>
</tbody>
</table>

Apply this uplink assignment to the rest of the hosts

CANCEL  OK
newdistributionswitch - Add and Manage Hosts

1. Select task
2. Select hosts
3. Manage physical adapters
   - Manage physical adapters
   - Assign uplink
   - Unassign adapter
   - View settings
4. Manage VMkernel adapters
5. Migrate VM networking
6. Ready to complete

Manage physical adapters
Add or remove physical network adapters to this distributed switch.

<table>
<thead>
<tr>
<th>Host/Physical Network Adapters</th>
<th>In Use by Switch</th>
<th>Uplink</th>
<th>Uplink Port Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>144.38.193.204</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On this switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic1 (Assigned)</td>
<td>--</td>
<td>Uplink 1</td>
<td>newdistributionsw--</td>
</tr>
<tr>
<td>vmnic2 (Assigned)</td>
<td>--</td>
<td>Uplink 2</td>
<td>newdistributionsw--</td>
</tr>
<tr>
<td>On other switches/unclaimed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic0</td>
<td>vSwitch0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>144.38.193.205</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>On this switch</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic1 (Assigned)</td>
<td>III</td>
<td>Uplink 1</td>
<td>newdistributionsw--</td>
</tr>
<tr>
<td>vmnic2 (Assigned)</td>
<td>III</td>
<td>Uplink 2</td>
<td>newdistributionsw--</td>
</tr>
<tr>
<td>On other switches/unclaimed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vmnic0</td>
<td>vSwitch0</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>
newdistributedswitch - Add and Manage Hosts

1 Select task
2 Select hosts
3 Manage physical adapters
4 Manage VMkernel adapters
5 Migrate VM networking
6 Ready to complete

Migrate VM networking
Select virtual machines or network adapters to migrate to the distributed switch.

Assign port group  Reset changes  View settings

<table>
<thead>
<tr>
<th>Host/Virtual Machine/Network Adapter</th>
<th>NIC Count</th>
<th>Source Port Group</th>
<th>Destination Port Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>144.38.193.204</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vcsa4</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network adapter 1</td>
<td></td>
<td>VM Network</td>
<td>Do not migrate</td>
</tr>
<tr>
<td>144.38.193.205</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>linux-from-vcsa</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network adapter 1</td>
<td></td>
<td>VM Network</td>
<td>Do not migrate</td>
</tr>
<tr>
<td>testlinux</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Network adapter 1</td>
<td></td>
<td>VM Network</td>
<td>Do not migrate</td>
</tr>
</tbody>
</table>
newdistributedswitch - Add and Manage Hosts

1 Select task
2 Select hosts
3 Manage physical adapters
4 Manage VMkernel adapters
5 Migrate VM networking
6 Ready to complete

Ready to complete
Review your settings selections before finishing the wizard.

Number of managed hosts
- Hosts to add: 2
- Number of network adapters for update
- Physical adapters: 4

CANCEL BACK FINISH
New Distributed Port Group

1 Name and location
   Name and location
   Specify distributed port group name and location.

   Name: portgroup-vlan320
   Location: newdistributedswitch
New Distributed Port Group

Configure settings
Set general properties of the new port group.

- Port binding: Static binding
- Port allocation: Elastic
- Number of ports: 8
- Network resource pool: (default)
- VLAN
  - VLAN type: VLAN
  - VLAN ID: 320

Advanced
- Customize default policies configuration

Cancel  Back  Next
New Distributed Port Group

1. Name and location
2. Configure settings
3. Ready to complete

Ready to complete
Review the changes before proceeding.

- Distributed port group name: portgroup-vlan320
- Port binding: Static binding
- Number of ports: 8
- Port allocation: Elastic
- Network resource pool: (default)
- VLAN ID: 320
New Distributed Port Group

1. Name and location
2. Configure settings
3. Ready to complete

Name and location
Specify distributed port group name and location.

Name: PortGroup-Vlan321
Location: newdistributedswitch
New Distributed Port Group

1. Name and location
2. Configure settings
   - Set general properties of the new port group.
   - Port binding: Static binding
   - Port allocation: Elastic
   - Number of ports: 8
   - Network resource pool: (default)
   - VLAN type: VLAN
   - VLAN ID: 321
3. Ready to complete

Advanced
- Customize default policies configuration
VMware Tools is not installed on this virtual machine.

**VM Hardware**
- **CPU**: 1 CPU(s)
- **Memory**: 4 GB, 0 GB memory active
- **Hard disk 1**: 16 GB
- **Network adapter 1**: VM Network (connected)
  - **CD/DVD drive 1**: Disconnected
- **Video card**: 4 MB
- **VMCI device**: Device on the virtual machine PCI bus that provides support for the virtual machine communication interface
- **Other**: Additional Hardware
- **Compatibility**: ESXi 6.7 and later (VM version 14)
Edit Settings | ubuntu-321

Virtual Hardware

- CPU: 1
- Memory: 4 GB
- Hard disk 1: 16 GB
- SCSI controller 0: LSI Logic Parallel
- Network adapter 1: VM Network
- CD/DVD drive 1: Datastore ISO File
- Video card
- VMCI device
  Device on the virtual machine PCI bus that provides support for the virtual machine communication interface
- SATA controller 0: AHCI
- Other: Additional Hardware

VM Options

ADD NEW DEVICE

CANCEL | OK
# This file describes the network interfaces available on your system
# For more information, see netplan(5).

network:
  version: 2
  renderer: networkd
 ethernets:
    ens160:
      addresses: [ 10.160.222.222/16 ]
      gateway4: 10.160.0.1
      nameservers:
        addresses:
          - "144.38.192.2"
          - "144.38.192.3"
joe@ubuntu-template:~$ sudo netplan apply
joe@ubuntu-template:~$ _