Now to create a Distributed Switch

I began by removing any new vSwitches that I created
Each of my switches only has the default vSwitch0, with a single physical adapter vmnic0
There are vCenter Server systems with expired or expiring licenses in your inventory. Manage your licenses. Details...

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New Distributed Switch

Select version
Specify a distributed switch version.

- **Distributed switch: 6.0.0**
  - This version is compatible with VMware ESXi version 6.0 and later. The following new features are available: Network I/O Control version 3, and IGMP/MLD snooping.

- **Distributed switch: 5.5.0**
  - This version is compatible with VMware ESXi version 5.5 and later. The following new features are available: Traffic Filtering and Marking, and enhanced LACP support.

- **Distributed switch: 5.1.0**
  - This version is compatible with VMware ESXi version 5.1 and later. The following new features are available: Management Network Rollback and Recovery, Health Check, Enhanced Port Mirroring, and LACP.

- **Distributed switch: 5.0.0**
  - This version is compatible with VMware ESXi version 5.0 and later. The following new features are available: User-defined network resource pools in Network I/O Control, NetFlow, and Port Mirroring.

Book  Next  Finish  Cancel
There are vCenter Server systems with expired or expiring licenses in your inventory. Manage your licenses

New Distributed Switch

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

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

Name: MasterDistributedSwitch
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.
What is a Distributed Switch?

A distributed switch acts as a single virtual switch across all associated hosts. This allows virtual machines to maintain consistent network configuration as they migrate across hosts.

Distributed virtual networking configuration consists of three parts. The first part takes place at the datacenter level, where distributed switches are created, and hosts and distributed port groups are added to the distributed switches. The second part takes place at the host level, where host ports and networking services are associated with distributed switches either through individual host networking configuration or using host profiles. The third part takes place at the virtual machine level, where virtual machine NICs are connected to distributed port groups either through individual virtual machine NIC configuration or by migrating virtual machine networking from the distributed switch itself.

Basic Tasks

- Add and manage hosts
- Manage this distributed switch
- Create a new port group

Explore Further

- Learn more about distributed switches
- Learn how to set up a network with a distributed switch
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Basic Tasks
- Add and manage hosts
- Manage this distributed switch
- Create a new portgroup

Explore Further
- Learn more about distributed switches
- Add hosts to this distributed switch and migrate physical or virtual network adapters.
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.

- Add host and manage host networking (advanced)
  Add new hosts and manage networking of hosts already attached to this distributed switch. Use this option to unify the network configuration of new and existing hosts.
### Select hosts

Select hosts to add to this distributed switch.

<table>
<thead>
<tr>
<th>Host</th>
<th>Host Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>(New) 144.38.194.2</td>
<td>Connected</td>
</tr>
<tr>
<td>(New) 144.38.194.3</td>
<td>Connected</td>
</tr>
<tr>
<td>(New) 144.38.194.4</td>
<td>Connected</td>
</tr>
</tbody>
</table>

- Configure identical network settings on multiple hosts (template mode)

- Back
- Next
- Finish
- Cancel
joes-MacBook-Air:Desktop joe$ echo "Added all my hosts to the switch"
Added all my hosts to the switch
joes-MacBook-Air:Desktop joe$
Now to assign UPlinks on this switch
joes-MacBook-Air:Desktop joe$ echo "I am going to assign all my vmnic1 interfaces to uplink 1"
I am going to assign all my vmnic1 interfaces to uplink 1
joes-MacBook-Air:Desktop joe$
There are vCenter Server systems with expired or expiring licenses in your inventory. Manage your licenses or Details...

vSphere Web Client

Add and Manage Hosts

1. Select task
2. Select hosts
3. Select network adapter tasks
4. Manage physical network adapters
5. Analyze impact
6. Ready to complete

Analyze impact
Review the impact this configuration change might have on some network dependent services.

Overall impact status: No impact

Host / Impact Analysis per Service

<table>
<thead>
<tr>
<th>Host</th>
<th>Impact Analysis per Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>144.38.194.2</td>
<td>iSCSI</td>
</tr>
<tr>
<td>144.38.194.3</td>
<td>iSCSI</td>
</tr>
<tr>
<td>144.38.194.4</td>
<td>iSCSI</td>
</tr>
</tbody>
</table>

No items selected
There are vCenter Server systems with expired or expiring licenses in your inventory. Manage your licenses or Details...

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Add and Manage Hosts

1. Select task
2. Select hosts
3. Select network adapter tasks
4. Manage physical network adapters
5. Analyze Impact
6. Ready to complete

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

Number of managed hosts
Hosts to add: 3

Number of network adapters for update
Physical network adapters: 3
joes-MacBook-Air:Desktop joe$ echo "I am going to create a new port group for this switch"
I am going to create a new port group for this switch
joes-MacBook-Air:Desktop joe$
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Basic Tasks

- Add and manage hosts
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Create a new distributed port group
Configure settings
Set general properties of the new port group.

Port binding:  Basic binding
Port allocation:  Elastic
Elastic port groups automatically increase or decrease the number of ports as needed.
Number of ports:  8
Network resource pool:  (default)

VLAN
VLAN type:  VLAN
VLAN ID:  320

Advanced
- Customize default policies configuration
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Create a new distributed port group
After creating the port groups that you want, assign a VM to a port group.
joes-MacBook-Air:Desktop joe$ echo "Check your vm for the correct ip and network settings"
Check your vm for the correct ip and network settings
joes-MacBook-Air:Desktop joe$
Make sure that the vm will migrate