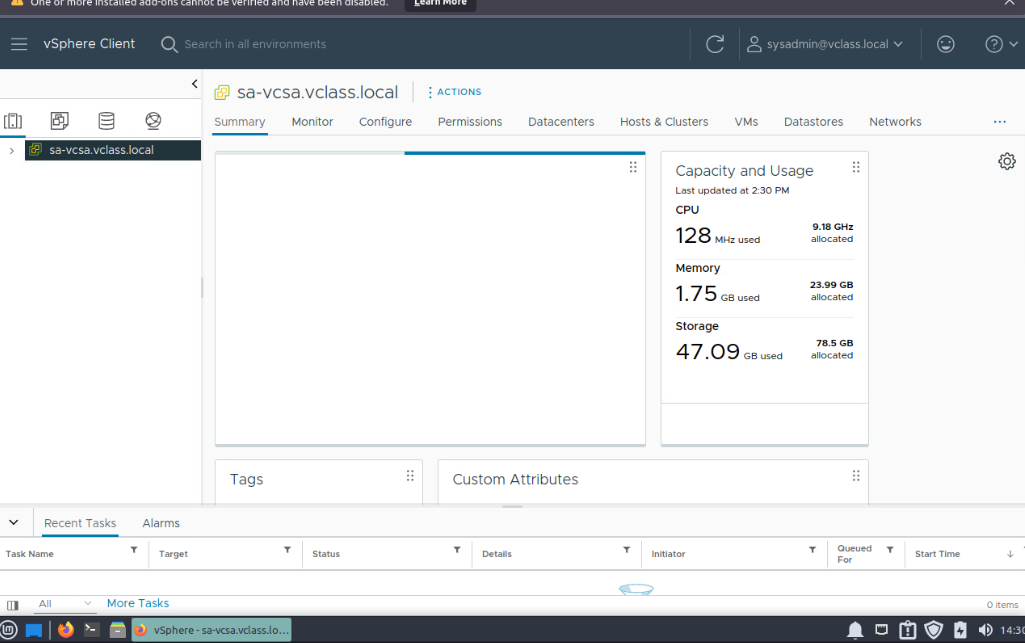
**Lab 8: Configuring vSphere Distributed Switches**

In this lab, we will create and configure a distributed switch. Creating distributed switches in vSphere is important because it allows you to centrally manage the network configuration of multiple ESXi hosts. This can be useful in a number of ways

**Create a Distributed Switch**



1st of all we have logged in the Vsphere client

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Created a new switch

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Select version step, leave 8.0.0 - ESXi 8.0 and later

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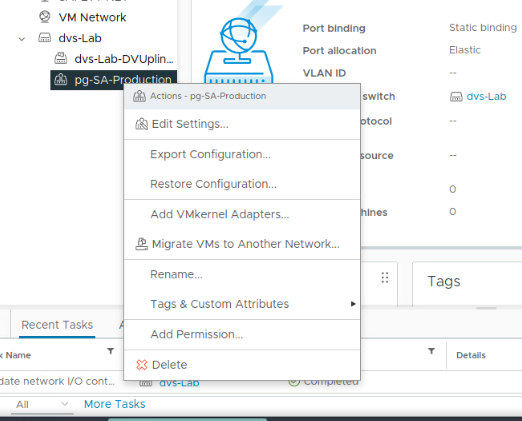
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On the Configure settings step, enter pg-SA-Production for the Port group name, keep all other default values,

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On the Ready to complete step, review the configuration settings, and click FINISH



Edit settings and select select Teaming and failover.

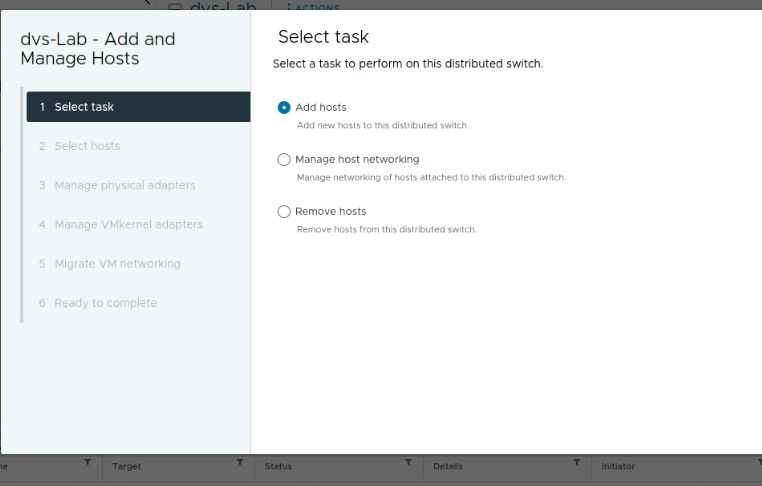
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Uplink2 uplink3 uplink4 moved down in the unused uplinks section

**Add ESXi Hosts to the Distributed Switch**

In this task, we will add ESXi hosts and physical adapters to the new distributed switch



Open the add and manage hosts and click on add hosts

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Select all

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verify that sa esxi-01.vclass.local and sa-esxi-02.vclass.local appear in the host list

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In the vmnic1 row, select Uplink 1 from the Assign uplink drop-down menu.

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Review the information for the new active adapter, and click NEXT

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On the Migrate VM networking step, migrate all VMs to the pg-SA-Production port group. Select Migrate virtual machine networking.

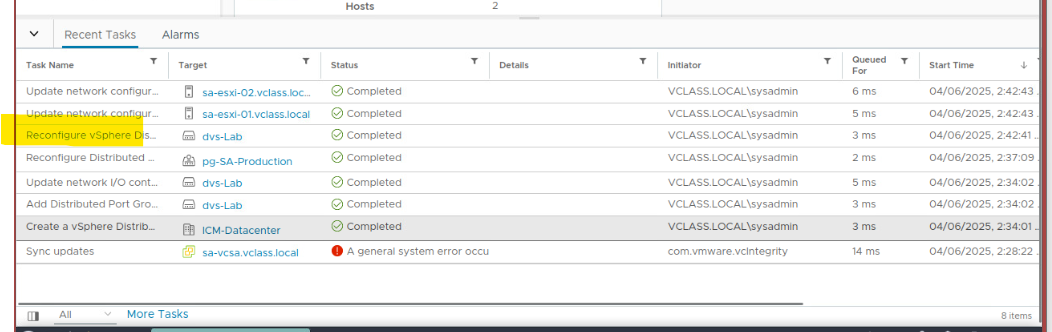
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Its ready to complete



Monitor the Recent Tasks pane, and verify that the tasks have completed successfully.

**Verify Your Distributed Switch Configuration**

In this task, will verify that the distributed switch was configured properly. You will also examine other distributed switch information, such as general settings for dvs-Lab and general properties for pg-SA-Production.

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In the dvs-Lab pane, click the Configure tab, and select Topology. In the distributed switch topology diagram, expand Uplink 1. Verify that vmnic1 appears under Uplink 1 for ESXi hosts sa esxi-01.vclass.local and sa-esxi-02.vclass.local.

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. In the pg-SA-Production pane, Summary tab, verify the distribute port group settings. • Port Binding: Static • Port Allocation: Elastic • Number of Ports used: 4 • Number of Ports Capacity: 8 • Number of Virtual Machines: 4