

## Ticket # 2 Create your own resource pool on Vsphere

Monday, September 15, 2025 7:42 PM

**[ TASK ]** To efficiently manage and allocate organization's resources, we need to create resource clusters for our deployed and upcoming VMs.

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Please describe the task outlined in every Jira ticket, identify any challenges or roadblocks you encountered, and detail the steps you took to resolve the issue in a video or audio format.

### PROCORE - 2. Create your own resource pool on VSphere

**Description**

**[ TASK ]** To efficiently manage and allocate organization's resources, we need to create resource clusters for our deployed and upcoming VMs.

**REQUIREMENTS:**

- 1.
- 2.
3. Resource Pool for your virtual machines

**INFORMATION**

- Please create your resource pool on vsphere.
- Follow the steps on the Vsphere resource pool wiki.

**DONT FORGET!!!**

- Please provide screenshots of the work done.
- Please describe the task outlined in every Jira ticket, identify any challenges or roadblocks you encountered, and detail the steps you took to resolve the issue in a video or audio format.

**Subtasks**

Add subtask

In Progress

Details

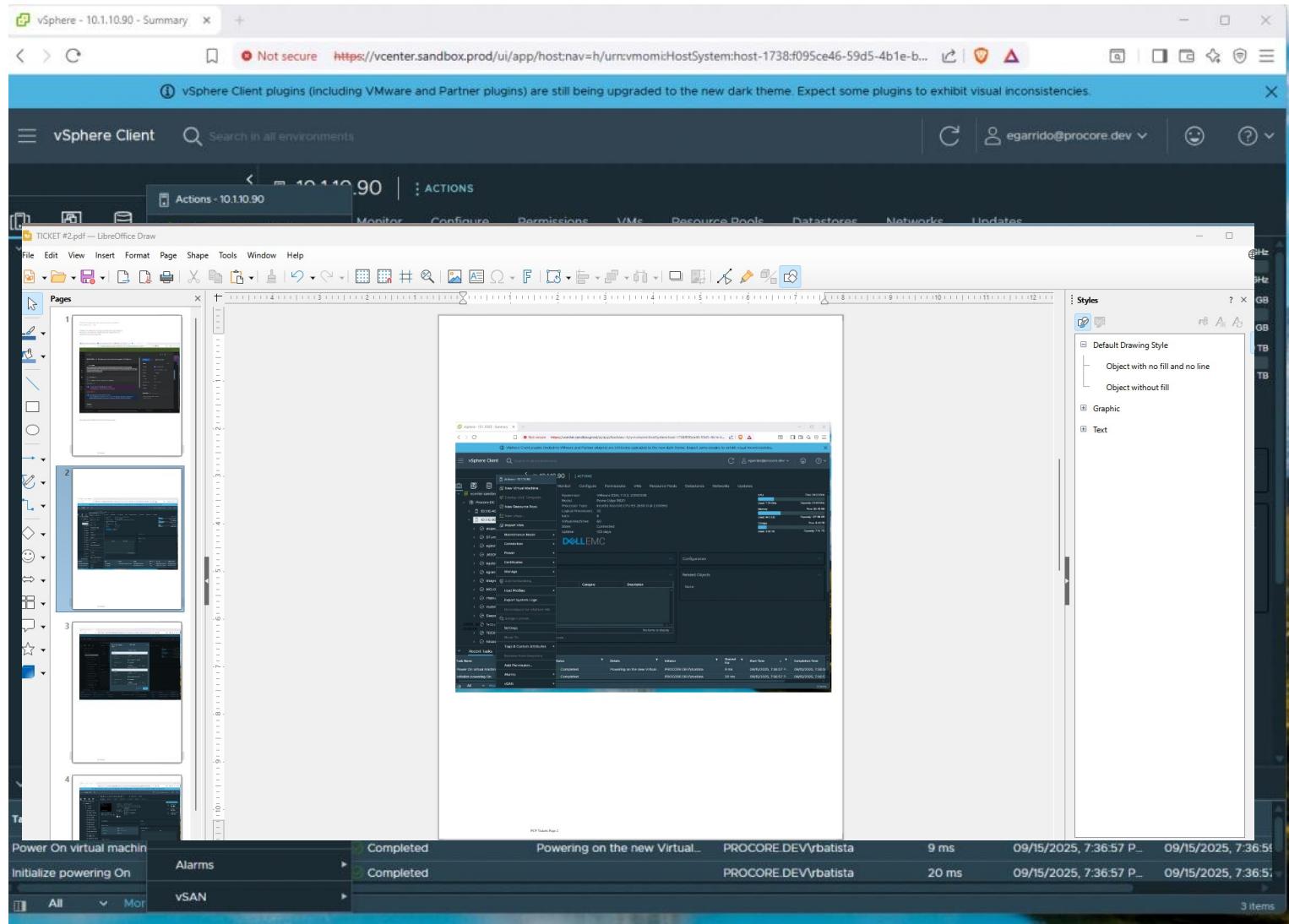
Assignee	edward garrido
Reporter	Michael Anthony Lopez
Priority	Medium
Labels	None
Due date	None
Time tracking	No time logged
Start date	None
Category	None

Automation Rule executions

Created September 4, 2025 at 12:44 PM  
Updated 3 hours ago

Create vsphere resource pool. Right click on data center and select new resource pool

# Accessed the VMware vSphere Client and initiated the creation of a new resource pool from the selected ESXi host.



# Configured CPU and memory allocation using expandable reservations with no hard limits to allow flexible resource utilization.

The screenshot shows the vSphere Client interface with the title bar "vSphere - 10.1.10.90 - Summary". The left sidebar lists "vcenter sandbox.prod" and its sub-entities, including "Procore-DC" and "10.1.10.90". The "10.1.10.90" node is selected. The main pane displays a "New Resource Pool" dialog box for "10.1.10.90". The dialog box contains two sections: "CPU" and "Memory".

**CPU Section:**

- Name: New Resource Pool
- Shares: Normal (4000)
- Reservation: 0 MHz (Max reservation: 27,640 MHz)
- Reservation Type:  Expandable
- Limit: Unlimited (Max limit: 27,640 MHz)

**Memory Section:**

- Shares: Normal (163840)
- Reservation: 0 MB (Max reservation: 120,937 MB)
- Reservation Type:  Expandable
- Limit: Unlimited (Max limit: 122,548 MB)

At the bottom right of the dialog box are "CANCEL" and "OK" buttons. In the background, a summary of system resources is visible: CPU (Used: 7.78 GHz, Capacity: 24.22 GHz), Memory (Used: 44.5 GB, Capacity: 83.45 GB), and Storage (Used: 1.02 TB, Capacity: 7.51 TB).

Verified successful resource pool creation and confirmed the virtual machine was running within the newly created resource pool.

The screenshot shows the vSphere Client interface. On the left, the navigation tree shows the vcenter.sandbox.prod environment and its clusters. The main pane displays the summary for the virtual machine 'dev-app-eg3.procore.prod1'. Key details include:

- Guest OS: CentOS 9 (64-bit)
- Compatibility: ESXi 7.0 U2 and later (VM version 19)
- VMware Tools: Running, version 12448 (Guest Managed)
- DNS Name: dev-app-eg3.procore.prod1
- IP Addresses: 10.1.31.124
- Host: 10.1.10.90

Resource usage metrics on the right:

- CPU USAGE: 19 MHz
- MEMORY USAGE: 40 MB
- STORAGE USAGE: 2.98 GB

Recent tasks at the bottom:

Task Name	Target	Status	Details	Initiator	Queued For	Start Time	Completion Time
Create resource pool	10.1.10.90	Completed		PROCORE.DEV\egarrido	12 ms	09/15/2025, 7:46:53 AM	09/15/2025, 7:46:53 AM
Reconfigure virtual mach...	dev-app-eg3.procore...	Completed		PROCORE.DEV\tacquaye	19 ms	09/15/2025, 7:46:12 PM	09/15/2025, 7:46:13 PM

## Conclusion:

The VMware vSphere resource pool was successfully created and configured to support efficient allocation of CPU and memory resources for both existing and future virtual machines. The configuration was validated by assigning an active virtual machine to the resource pool and confirming normal operation through the vSphere Client task logs. This implementation improves resource organization, scalability, and overall infrastructure management.