

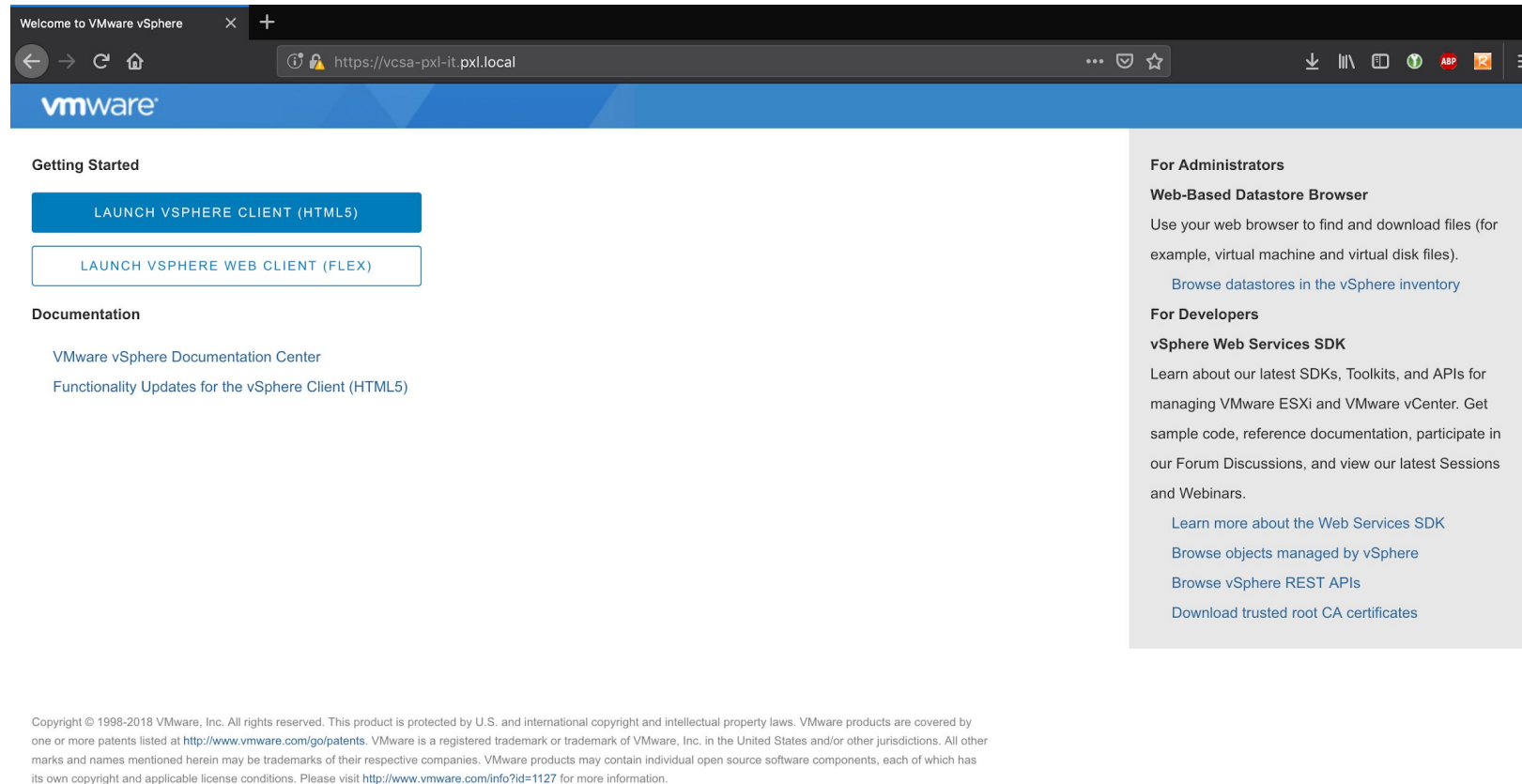
# IaaS VMware Cluster

Research Project SNB

2018 - 2019



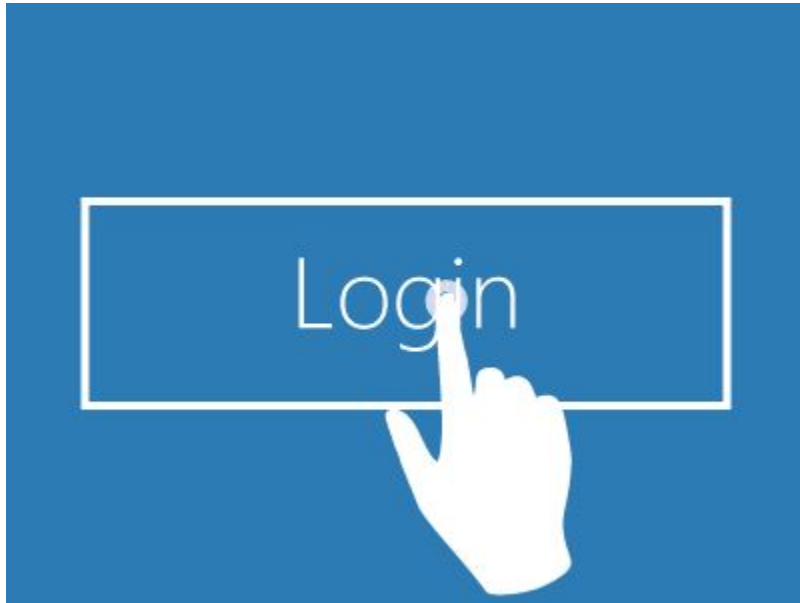
URL: <https://vcsa-pxl-it.pxl.local> (Only on PXL Network)



[INFO]

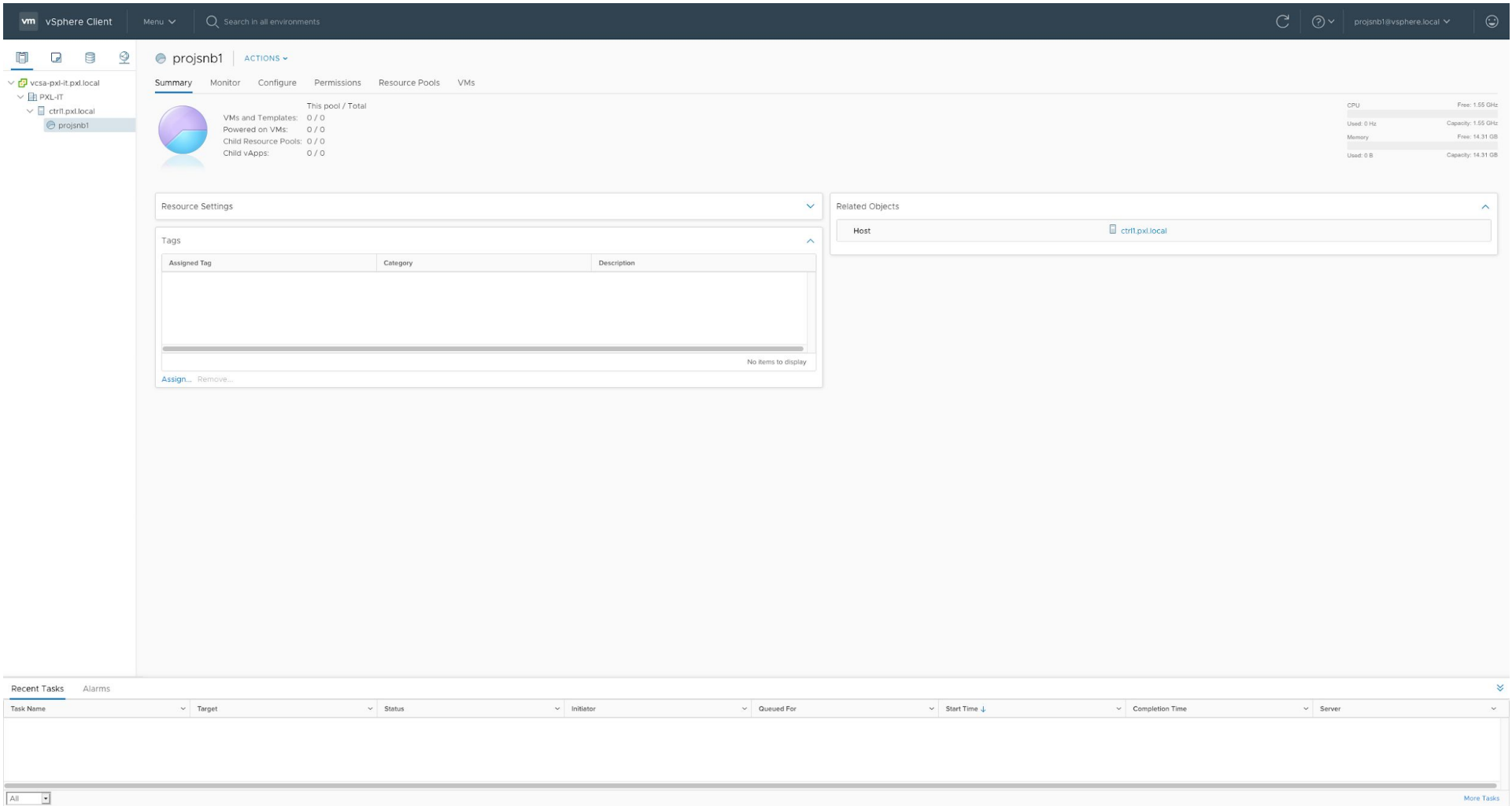
Work from remote? Use the PXL VPN!

# Login

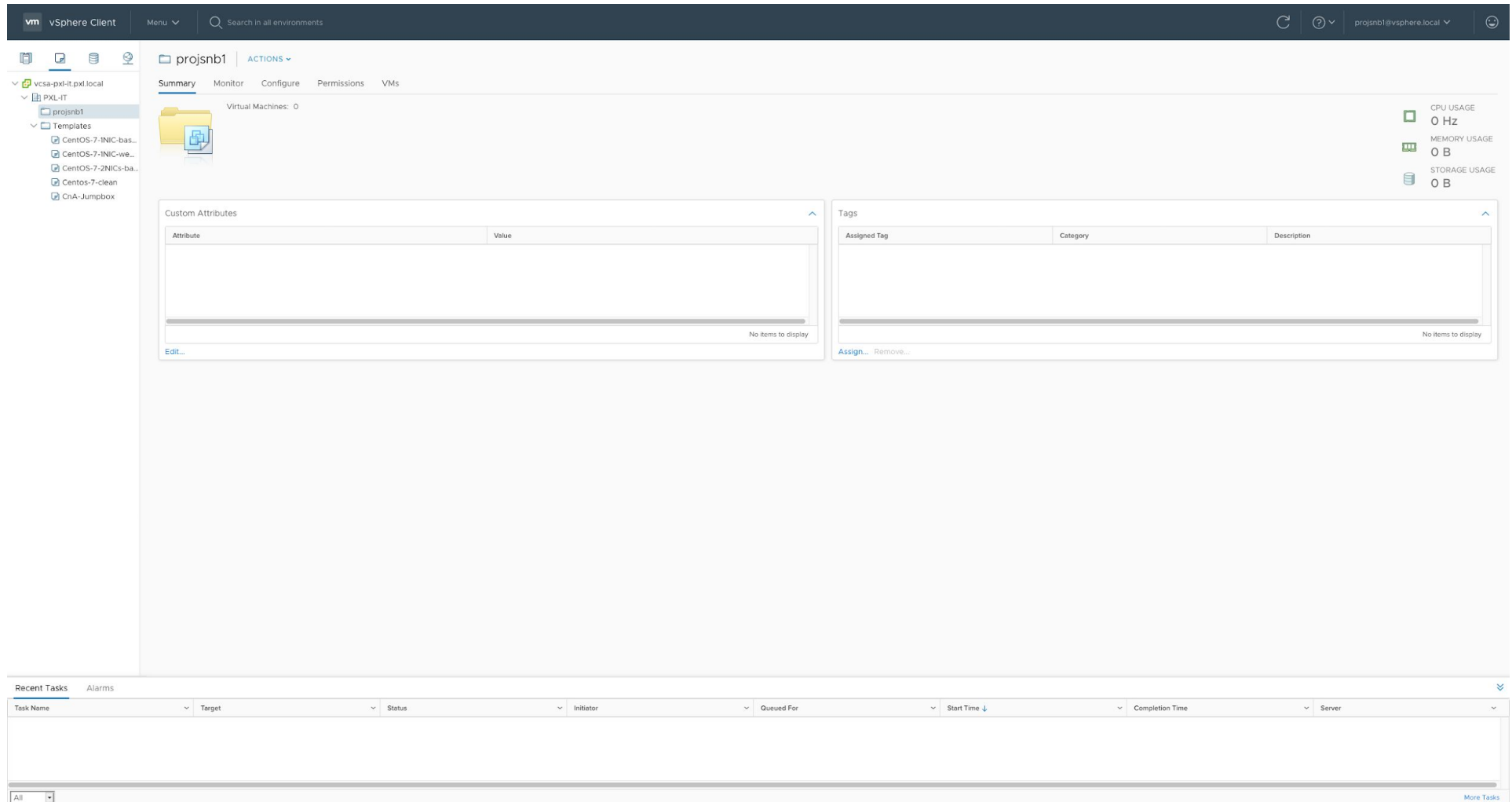


- One per group
- Shared week one of the project  
(Including network ranges)
- Change password! (Regularly)
- Resources:
  - 1.55 Ghz (Minimum)
  - 14 GB RAM
  - 100 GB Storage
- No backups!!! (Your responsibility!)

# Access to only 1 ctrl node (There are 3.)



# VMs in project folder & PXL shared templates



# READ ONLY storage: 3 datastores with ISOs, ...

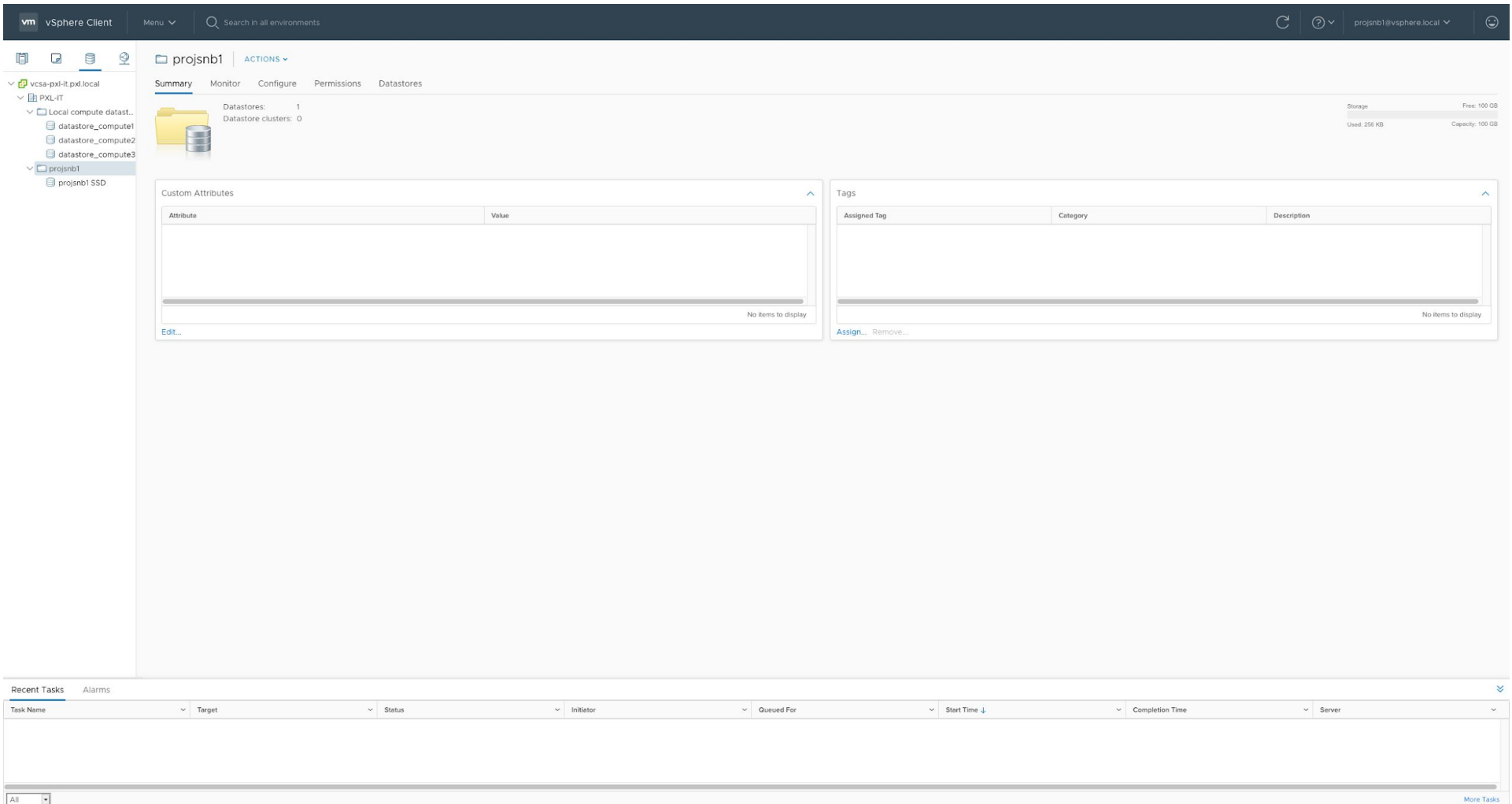
The screenshot shows the vSphere Client interface with the 'datastore\_compute3' datastore selected. The 'Files' tab is active, displaying a list of ISO files. The left sidebar shows the hierarchy: vcsa-pxl-it.pxl.local > PXL-IT > Local compute datastores > datastore\_compute3. The main pane shows the 'isos' folder containing 9 items.

Name	Size	Modified	Type	Path
CentOS-7-x86_64-Everything-1804.iso	9,177,088 KB	29/11/2018, 17:29:08	ISO Image	[datastore_compute3] isos/CentOS-7-x86_64-Everything-1804.iso
CentOS-7-x86_64-Minimal-1804.iso	927,744 KB	28/11/2018, 08:43:39	ISO Image	[datastore_compute3] isos/CentOS-7-x86_64-Minimal-1804.iso
CentOS-7-x86_64-NetInstall-1804.iso	506,880 KB	28/11/2018, 08:42:11	ISO Image	[datastore_compute3] isos/CentOS-7-x86_64-NetInstall-1804.iso
debian-9.5.0-amd64-netinst.iso	297,984 KB	28/11/2018, 08:17:02	ISO Image	[datastore_compute3] isos/debian-9.5.0-amd64-netinst.iso
FreeBSD-11.2-RELEASE-amd64-bootonly.iso	316,208 KB	28/11/2018, 08:15:36	ISO Image	[datastore_compute3] isos/FreeBSD-11.2-RELEASE-amd64-bootonly.iso
pfSense-CE-2.4.4-RELEASE-amd64.iso	669,490 KB	28/11/2018, 08:40:40	ISO Image	[datastore_compute3] isos/pfSense-CE-2.4.4-RELEASE-amd64.iso
ubuntu-16.04.5-server-amd64.iso	890,880 KB	28/11/2018, 08:34:50	ISO Image	[datastore_compute3] isos/ubuntu-16.04.5-server-amd64.iso
ubuntu-18.04-mini.iso	65,536 KB	27/11/2018, 21:16:30	ISO Image	[datastore_compute3] isos/ubuntu-18.04-mini.iso
ubuntu-18.04.1-desktop-amd64.iso	1,907,568 KB	29/11/2018, 16:24:28	ISO Image	[datastore_compute3] isos/ubuntu-18.04.1-desktop-amd64.iso

Recent Tasks

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
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# READ & WRITE storage: your own project SSD



# Networking: 1 routable, 2 non-routable

The screenshot displays the vSphere Client interface for configuring a network. The left sidebar shows a tree view with the following structure:

- vcsa-pxl-it.pxl.local
  - PXL-IT
    - projsnb1
      - Non-Routable Net...
      - Non-Routable Net...
      - Routable Network 1

The main panel is titled 'Routable Network 1' and includes an 'ACTIONS' dropdown. Below the title, there is a summary section with a globe icon and the following details:

- Accessible: Yes
- Virtual machines: 0
- Hosts: 1

Below the summary, there are two panels: 'Custom Attributes' and 'Tags'. Both panels are currently empty, displaying 'No items to display'.

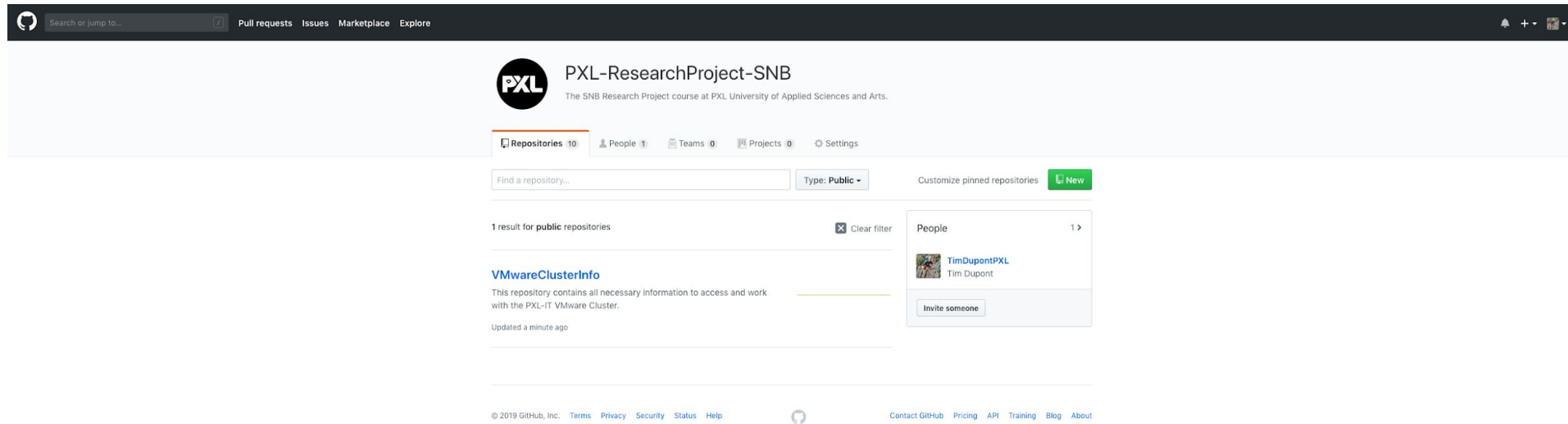
At the bottom of the interface, there is a 'Recent Tasks' section with a table header:

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
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The table is currently empty, and there is a 'More Tasks' link at the bottom right.

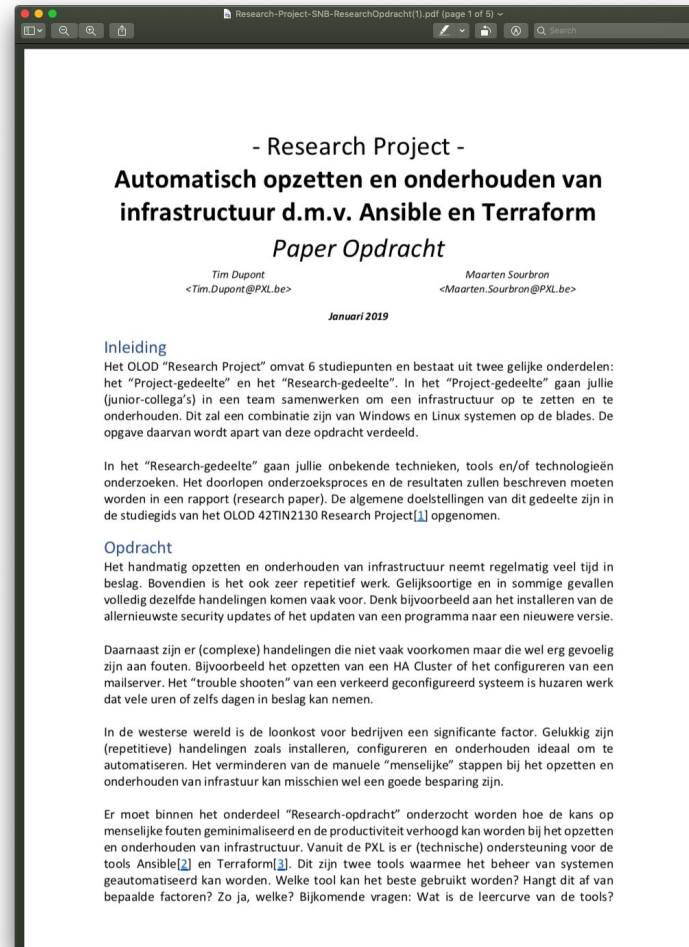


# Information: presentation / FAQ / VPN info



<https://github.com/PXL-ResearchProject-SNB/VMwareClusterInfo>

# Assignment



Questions?

Contact Tim | Maarten  
(IRL | E-Mail)