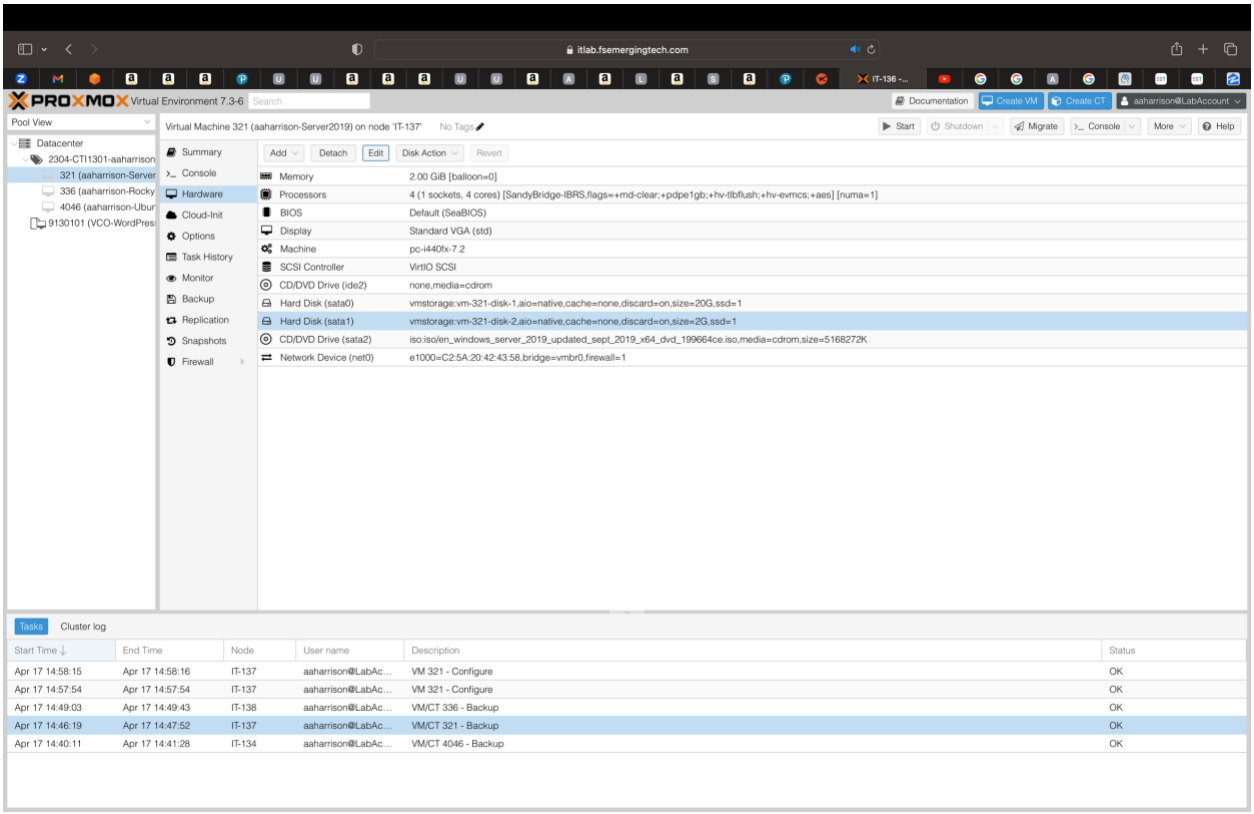
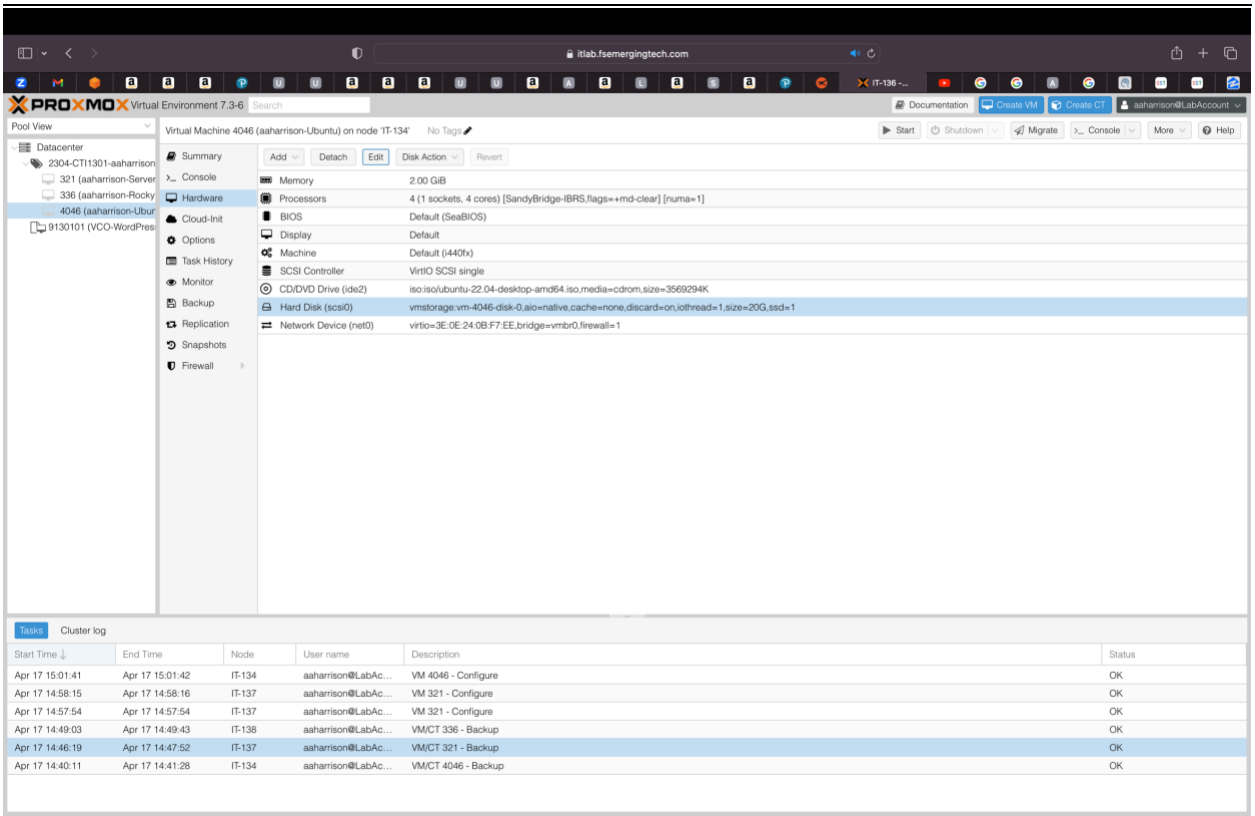
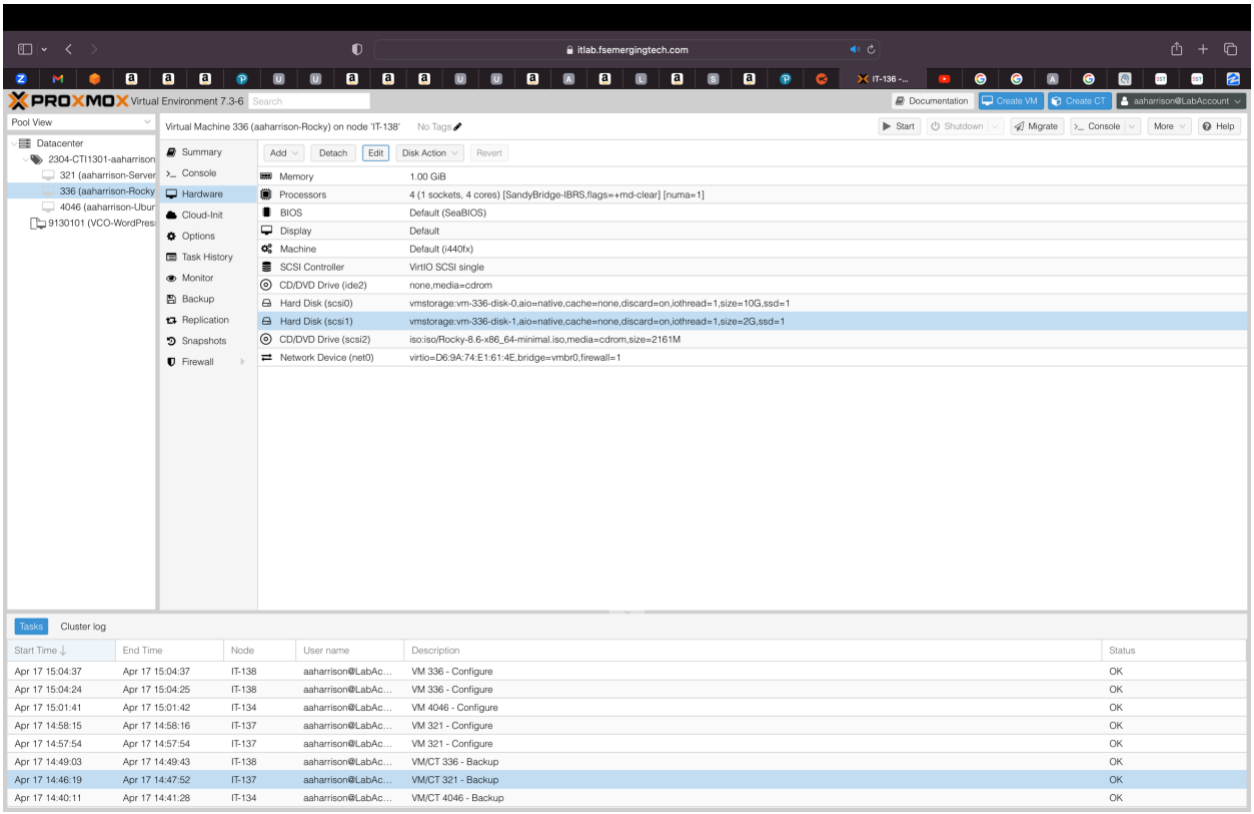
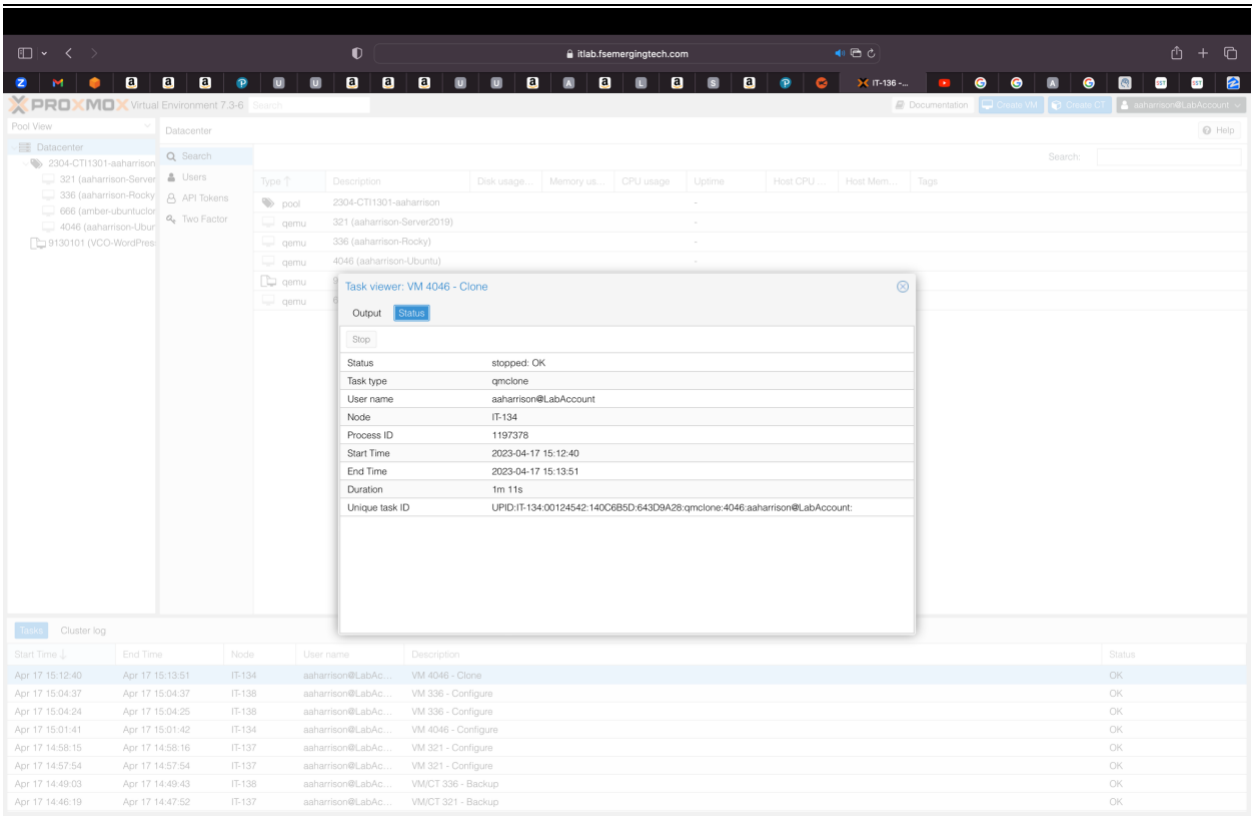
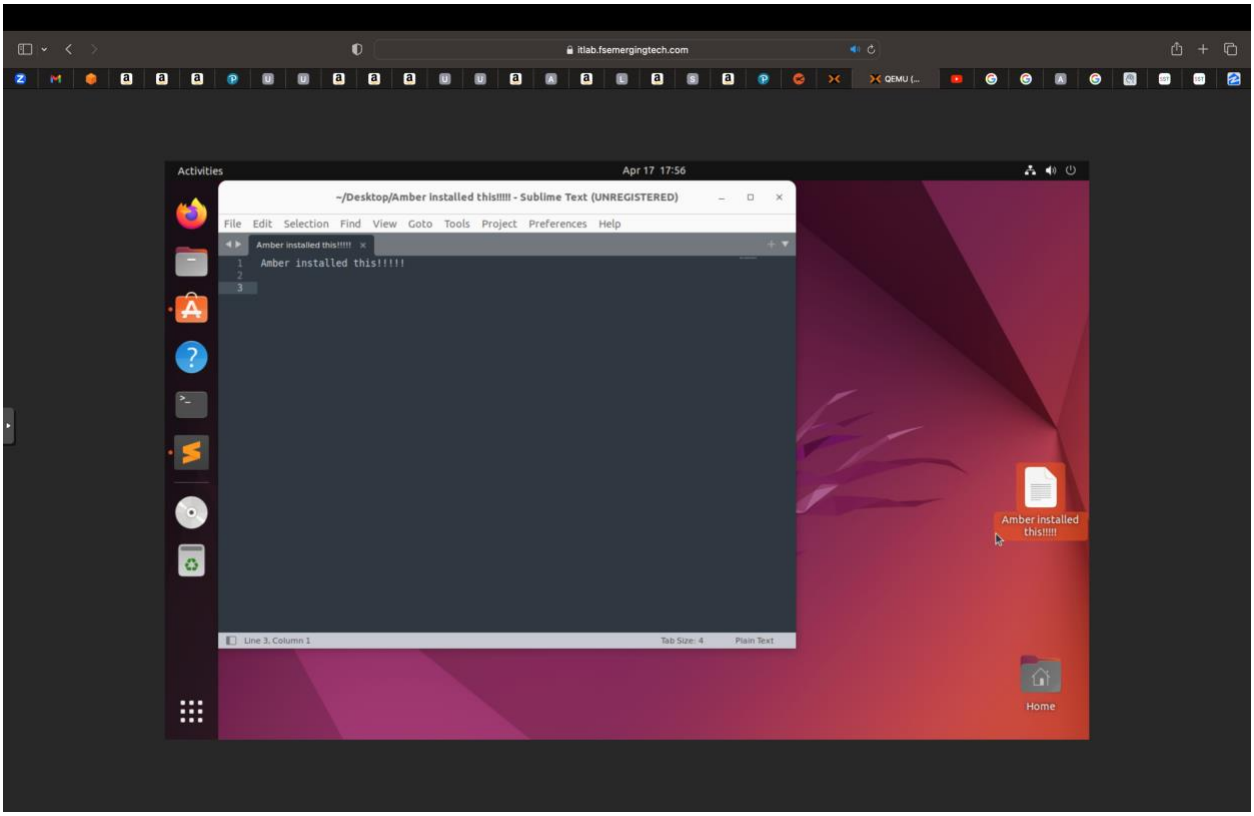
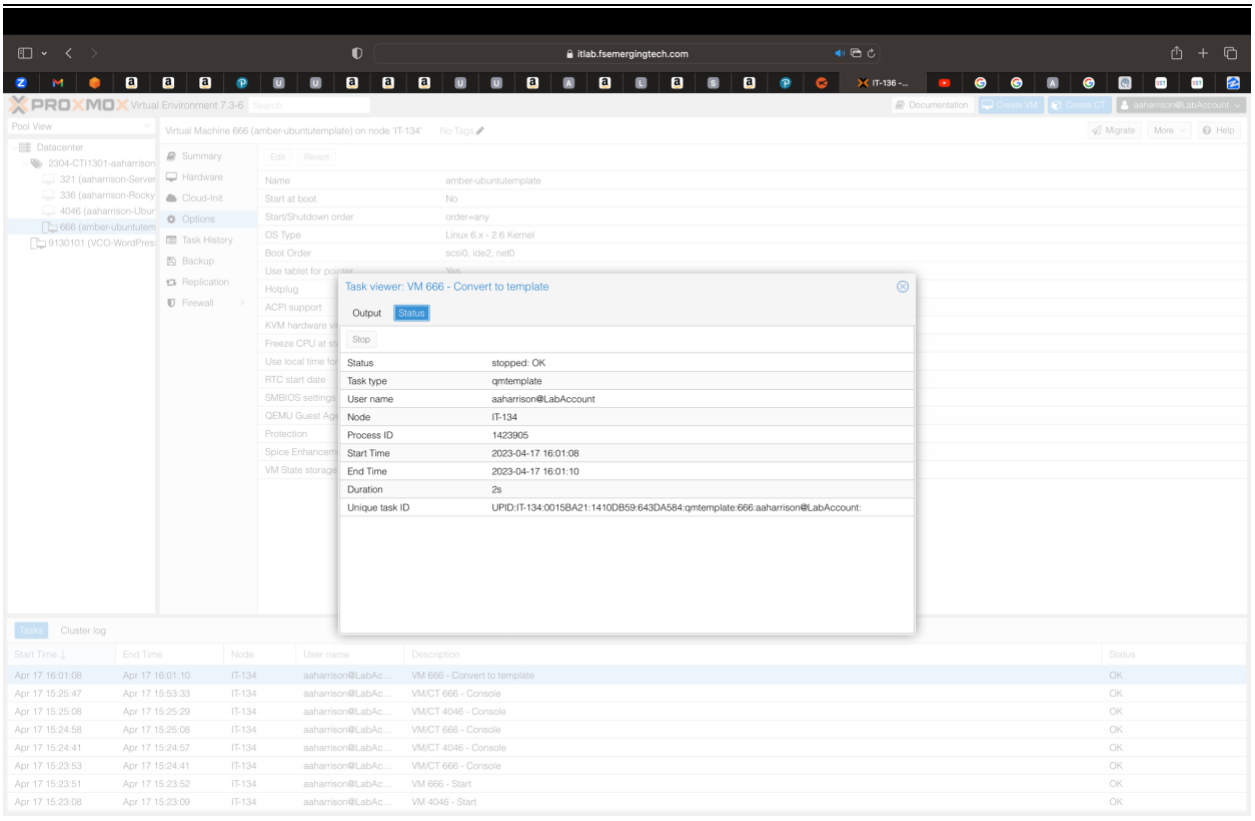

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Search
Documentation
Create VM
Create CT
aaharrison@LabAccount
Pool View
Datacenter
2304-CTI1301-aaharrison
321 (aaharrison-Server
336 (aaharrison-Rocky
4046 (aaharrison-Ubur
9130101 (VCO-WordPres
Virtual Machine 321 (aaharrison-Server2019) on node 'IT-137'
No Tags
Start
Shutdown
Migrate
Console
More
Help
Summary
Console
Hardware
Cloud-Init
Options
Task History
Monitor
Backup
Replication
Snapshots
Firewall
Add
Detach
Edit
Disk Action
Revert
Memory 2.00 GiB [balloon=0]
Processors 4 (1 sockets, 4 cores) [SandyBridge-IBRS,flags=+md-clear;+pdpe1gb;+hv-tlbflush;+hv-evmcs;+aes] [numa=1]
BIOS Default (SeaBIOS)
Display Standard VGA (std)
Machine pc-i440fx-7.2
SCSI Controller VirtIO SCSI
CD/DVD Drive (ide2) none,media=cdrom
Hard Disk (sata0) vmstorage:vm-321-disk-1,aio=native,cache=none,discard=on,size=20G,ssd=1
Hard Disk (sata1) vmstorage:vm-321-disk-2,aio=native,cache=none,discard=on,size=2G,ssd=1
CD/DVD Drive (sata2) iso:iso/en_windows_server_2019_updated_sept_2019_x64_dvd_199664ce.iso,media=cdrom,size=5168272K
Network Device (net0) e1000=C2:5A:20:42:43:58,bridge=vmbr0,firewall=1
Tasks
Cluster log
Start Time
End Time
Node
User name
Description
Status
Apr 17 14:58:15 Apr 17 14:58:16 IT-137 aaharrison@LabAc... VM 321 - Configure OK
Apr 17 14:57:54 Apr 17 14:57:54 IT-137 aaharrison@LabAc... VM 321 - Configure OK
Apr 17 14:49:03 Apr 17 14:49:43 IT-138 aaharrison@LabAc... VM/CT 336 - Backup OK
Apr 17 14:46:19 Apr 17 14:47:52 IT-137 aaharrison@LabAc... VM/CT 321 - Backup OK
Apr 17 14:40:11 Apr 17 14:41:28 IT-134 aaharrison@LabAc... VM/CT 4046 - Backup OK

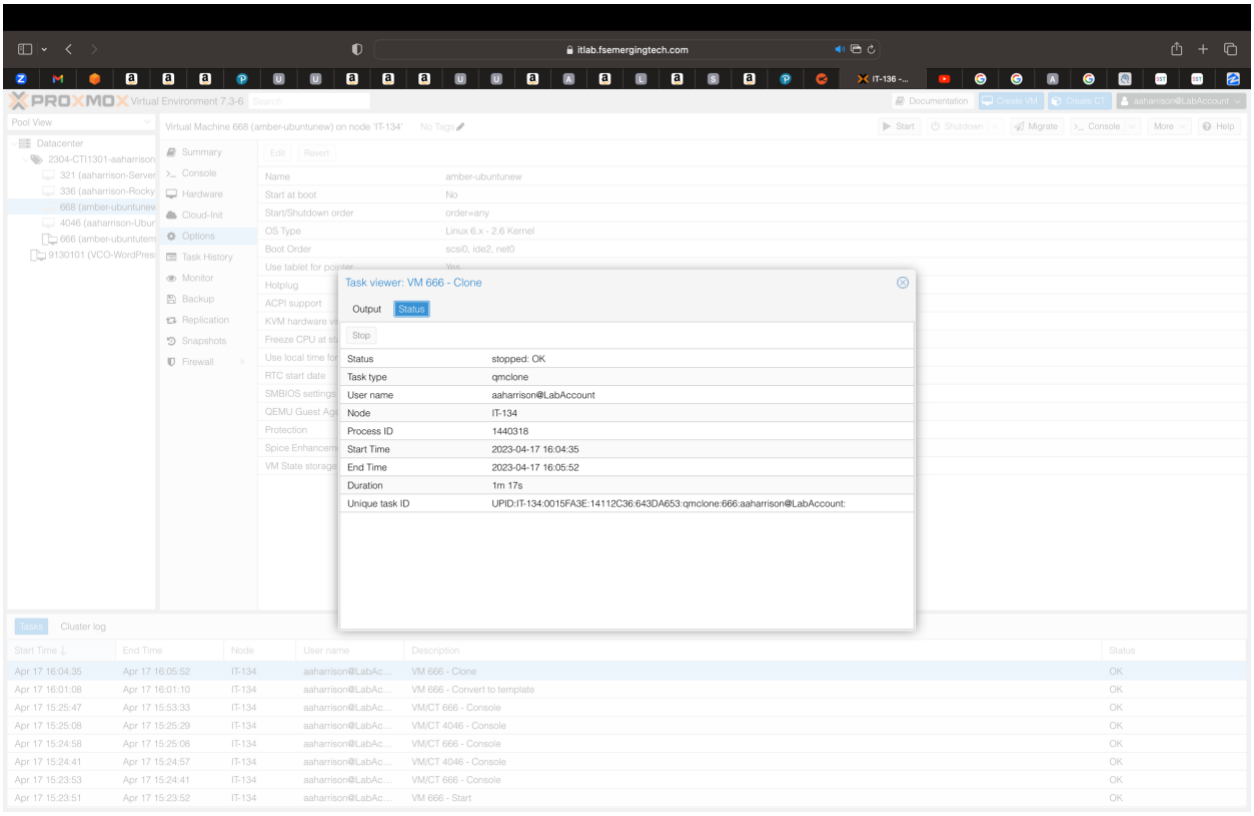

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Search
Documentation
Create VM
Create CT
aaharrison@LabAccount
Pool View
Datacenter
2304-CTI1301-aaharrison
321 (aaharrison-Server
336 (aaharrison-Rocky
4046 (aaharrison-Ubur
9130101 (VCO-WordPres
Virtual Machine 4046 (aaharrison-Ubuntu) on node 'IT-134'
No Tags
Start
Shutdown
Migrate
Console
More
Help
Summary
Console
Hardware
Cloud-Init
Options
Task History
Monitor
Backup
Replication
Snapshots
Firewall
Add
Detach
Edit
Disk Action
Revert
Memory 2.00 GiB
Processors 4 (1 sockets, 4 cores) [SandyBridge-IBRS,flags=+md-clear] [numa=1]
BIOS Default (SeaBIOS)
Display Default
Machine Default (i440fx)
SCSI Controller VirtIO SCSI single
CD/DVD Drive (ide2) iso:iso/ubuntu-22.04-desktop-amd64.iso,media=cdrom,size=3569294K
Hard Disk (scsi0) vmstorage:vm-4046-disk-0,aio=native,cache=none,discard=on,iothread=1,size=20G,ssd=1
Network Device (net0) virtio=3E:0E:24:0B:F7:EE,bridge=vmbr0,firewall=1
Tasks
Cluster log
Start Time
End Time
Node
User name
Description
Status
Apr 17 15:01:41 Apr 17 15:01:42 IT-134 aaharrison@LabAc... VM 4046 - Configure OK
Apr 17 14:58:15 Apr 17 14:58:16 IT-137 aaharrison@LabAc... VM 321 - Configure OK
Apr 17 14:57:54 Apr 17 14:57:54 IT-137 aaharrison@LabAc... VM 321 - Configure OK
Apr 17 14:49:03 Apr 17 14:49:43 IT-138 aaharrison@LabAc... VM/CT 336 - Backup OK
Apr 17 14:46:19 Apr 17 14:47:52 IT-137 aaharrison@LabAc... VM/CT 321 - Backup OK
Apr 17 14:40:11 Apr 17 14:41:28 IT-134 aaharrison@LabAc... VM/CT 4046 - Backup OK

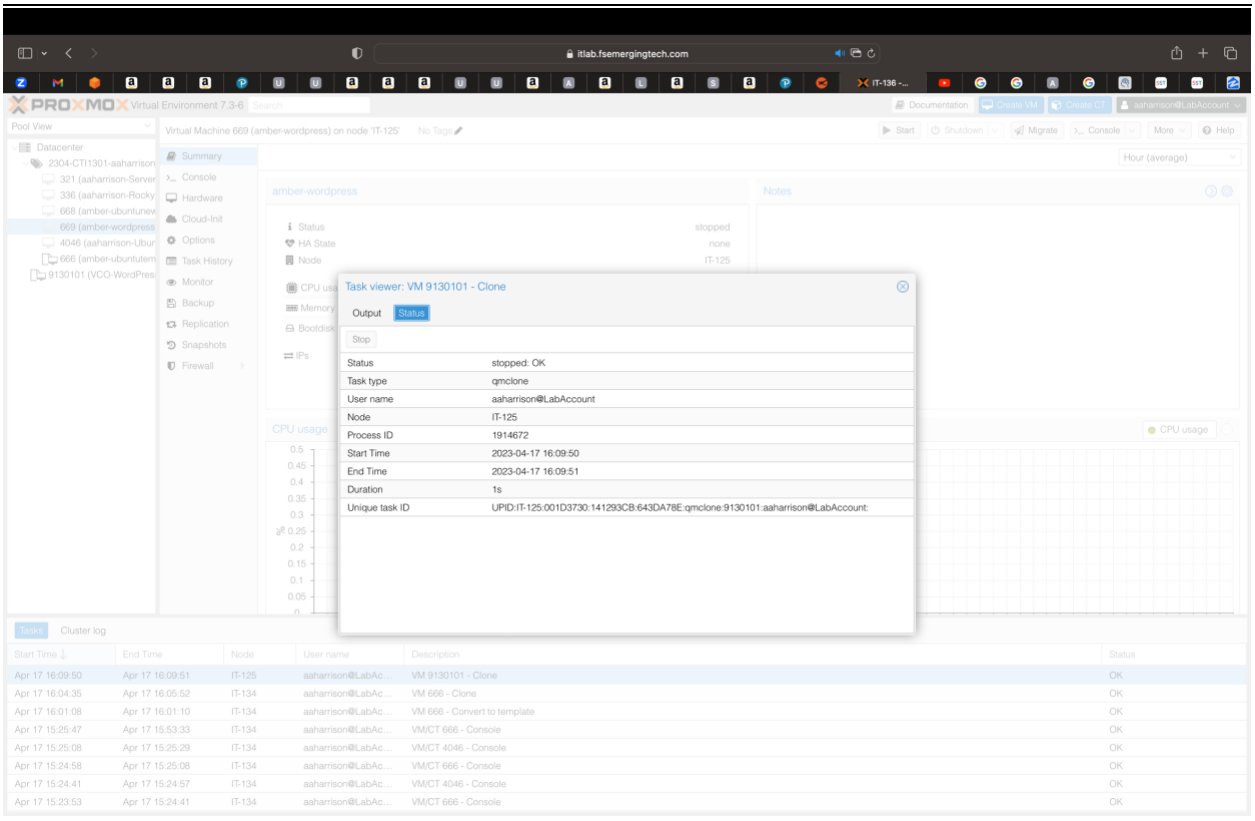

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Virtual Machine 336 (aaharrison-Rocky) on node 'IT-138'
Summary
Console
Hardware
Cloud-Init
Options
Task History
Monitor
Backup
Replication
Snapshots
Firewall
Memory 1.00 GiB
Processors 4 (1 sockets, 4 cores) [SandyBridge-IBRS,flags=+md-clear] [numa=1]
BIOS Default (SeaBIOS)
Display Default
Machine Default (i440fx)
SCSI Controller VirtIO SCSI single
CD/DVD Drive (ide2) none,media=cdrom
Hard Disk (scsi0) vmstorage:vm-336-disk-0,aio=native,cache=none,discard=on,iothread=1,size=10G,ssd=1
Hard Disk (scsi1) vmstorage:vm-336-disk-1,aio=native,cache=none,discard=on,iothread=1,size=2G,ssd=1
CD/DVD Drive (scsi2) iso:iso/Rocky-8.6-x86_64-minimal.iso,media=cdrom,size=2161M
Network Device (net0) virtio=D6:9A:74:E1:61:4E,bridge=vmbr0,firewall=1
Tasks
Cluster log
Start Time | End Time | Node | User name | Description | Status
Apr 17 15:04:37 | Apr 17 15:04:37 | IT-138 | aaharrison@LabAc... | VM 336 - Configure | OK
Apr 17 15:04:24 | Apr 17 15:04:25 | IT-138 | aaharrison@LabAc... | VM 336 - Configure | OK
Apr 17 15:01:41 | Apr 17 15:01:42 | IT-134 | aaharrison@LabAc... | VM 4046 - Configure | OK
Apr 17 14:58:15 | Apr 17 14:58:16 | IT-137 | aaharrison@LabAc... | VM 321 - Configure | OK
Apr 17 14:57:54 | Apr 17 14:57:54 | IT-137 | aaharrison@LabAc... | VM 321 - Configure | OK
Apr 17 14:49:03 | Apr 17 14:49:43 | IT-138 | aaharrison@LabAc... | VM/CT 336 - Backup | OK
Apr 17 14:46:19 | Apr 17 14:47:52 | IT-137 | aaharrison@LabAc... | VM/CT 321 - Backup | OK
Apr 17 14:40:11 | Apr 17 14:41:28 | IT-134 | aaharrison@LabAc... | VM/CT 4046 - Backup | OK

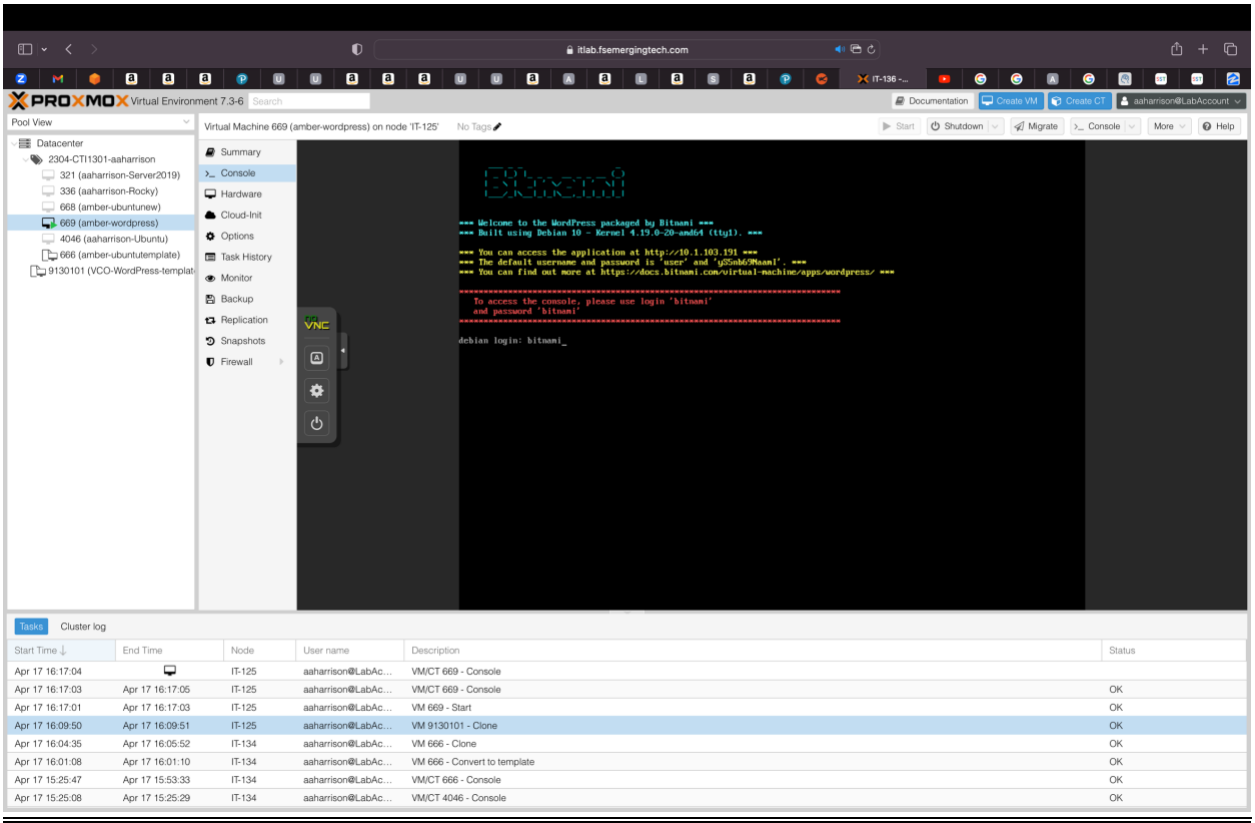

itlab.fsemergingtech.com
Task viewer: VM 4046 - Clone
Output
Status
Stop
Status stopped: OK
Task type qmclone
User name aaharrison@LabAccount
Node IT-134
Process ID 1197378
Start Time 2023-04-17 15:12:40
End Time 2023-04-17 15:13:51
Duration 1m 11s
Unique task ID UPID:IT-134:00124542:140C6B5D:643D9A28:qmclone:4046:aaharrison@LabAccount:

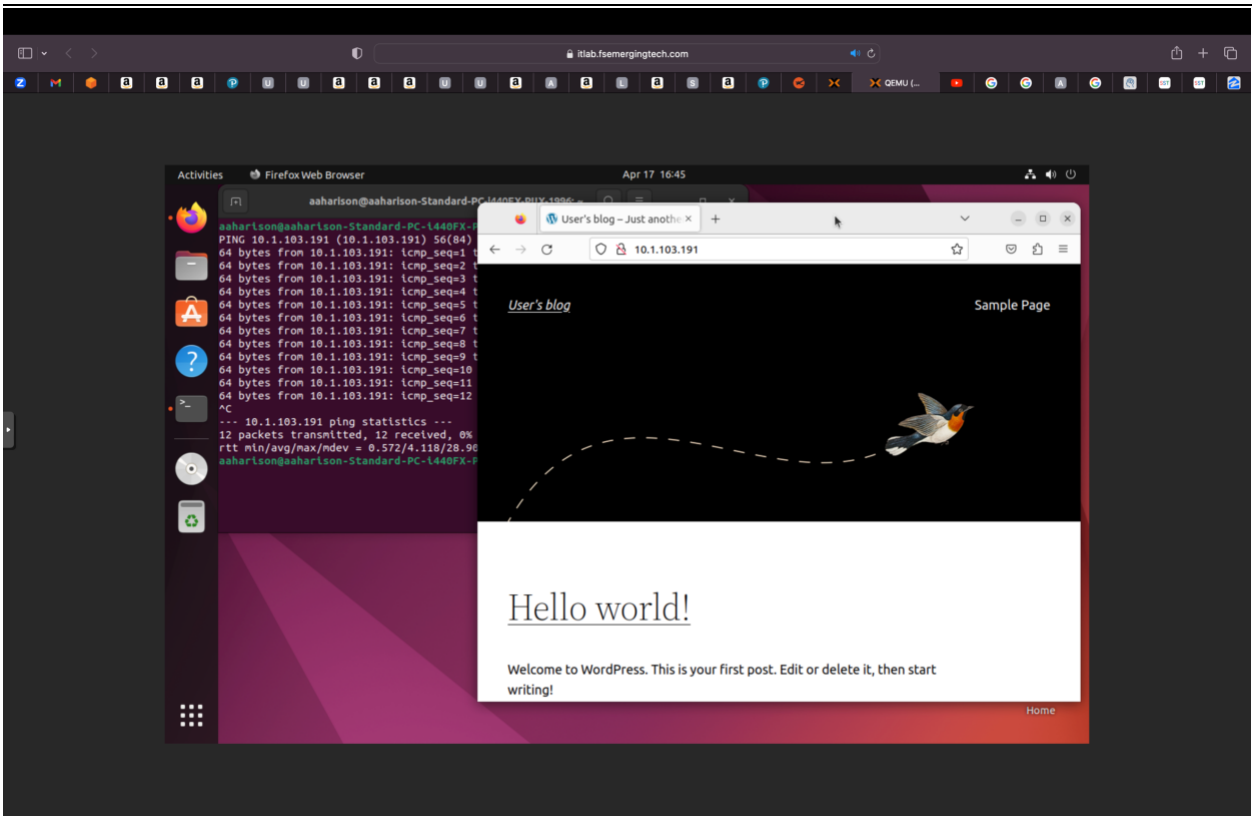

itlab.fsemergingtech.com
Activities
Apr 17 17:56
~/Desktop/Amber installed this!!!!! - Sublime Text (UNREGISTERED)
File Edit Selection Find View Goto Tools Project Preferences Help
Amber installed this!!!!!
1 Amber installed this!!!!!
Line 3, Column 1
Tab Size: 4
Plain Text
Amber installed this!!!!!
Home

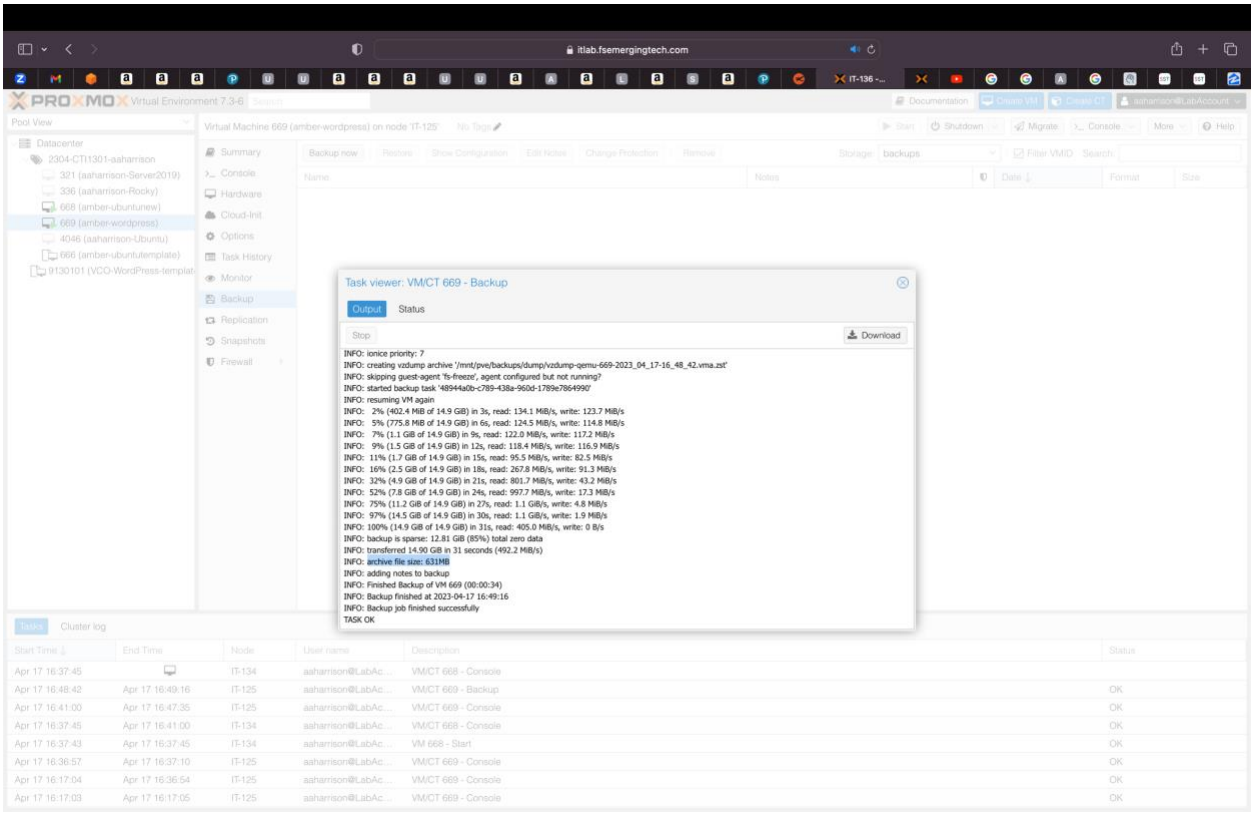

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Virtual Machine 666 (amber-ubuntutemplate) on node 'IT-134'
Task viewer: VM 666 - Convert to template
Output
Status
Stop
Status stopped: OK
Task type qmtemplate
User name aaharrison@LabAccount
Node IT-134
Process ID 1423905
Start Time 2023-04-17 16:01:08
End Time 2023-04-17 16:01:10
Duration 2s
Unique task ID UPID:IT-134:0015BA21:1410DB59:643DA584:qmtemplate:666:aaharrison@LabAccount:

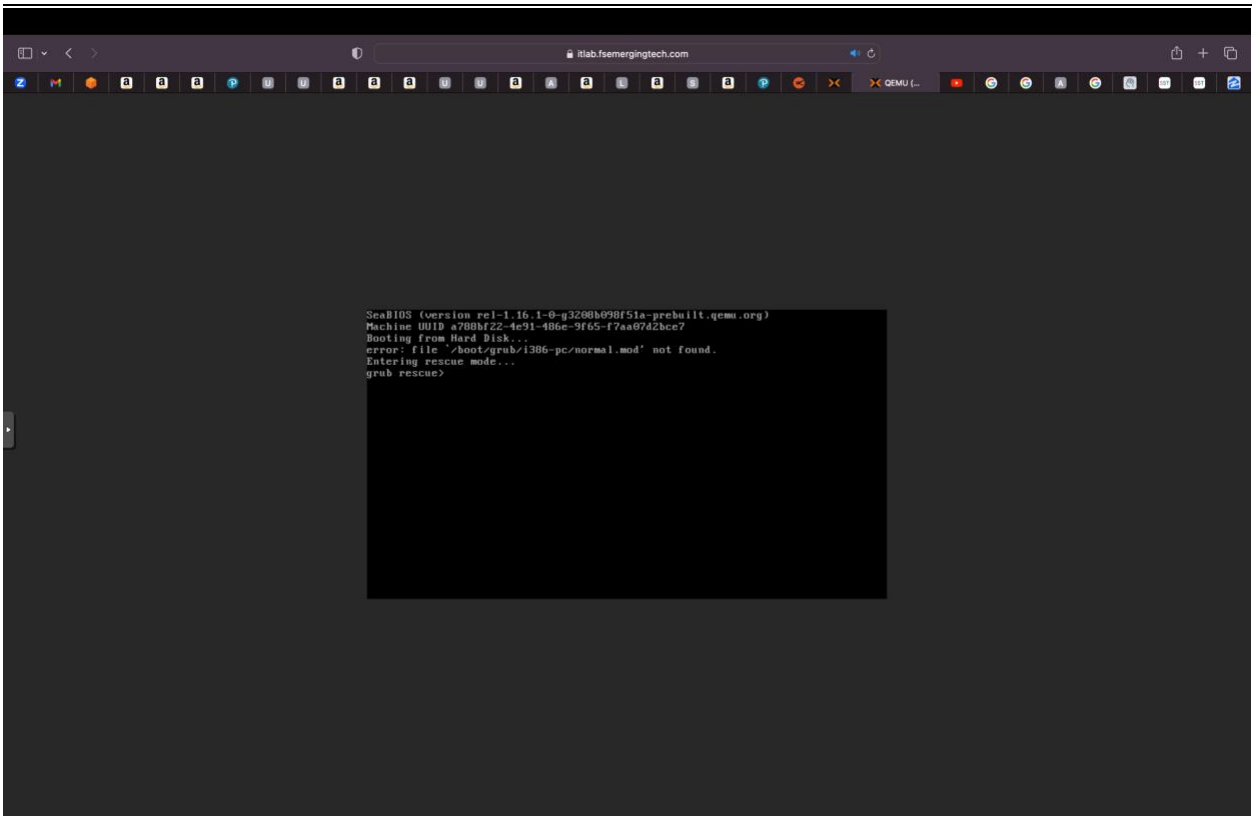

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Task viewer: VM 666 - Clone
Output
Status
Stop
Status stopped: OK
Task type qmclone
User name aaharrison@LabAccount
Node IT-134
Process ID 1440318
Start Time 2023-04-17 16:04:35
End Time 2023-04-17 16:05:52
Duration 1m 17s
Unique task ID UPID:IT-134:0015FA3E:14112C36:643DA653:qmclone:666:aaharrison@LabAccount:

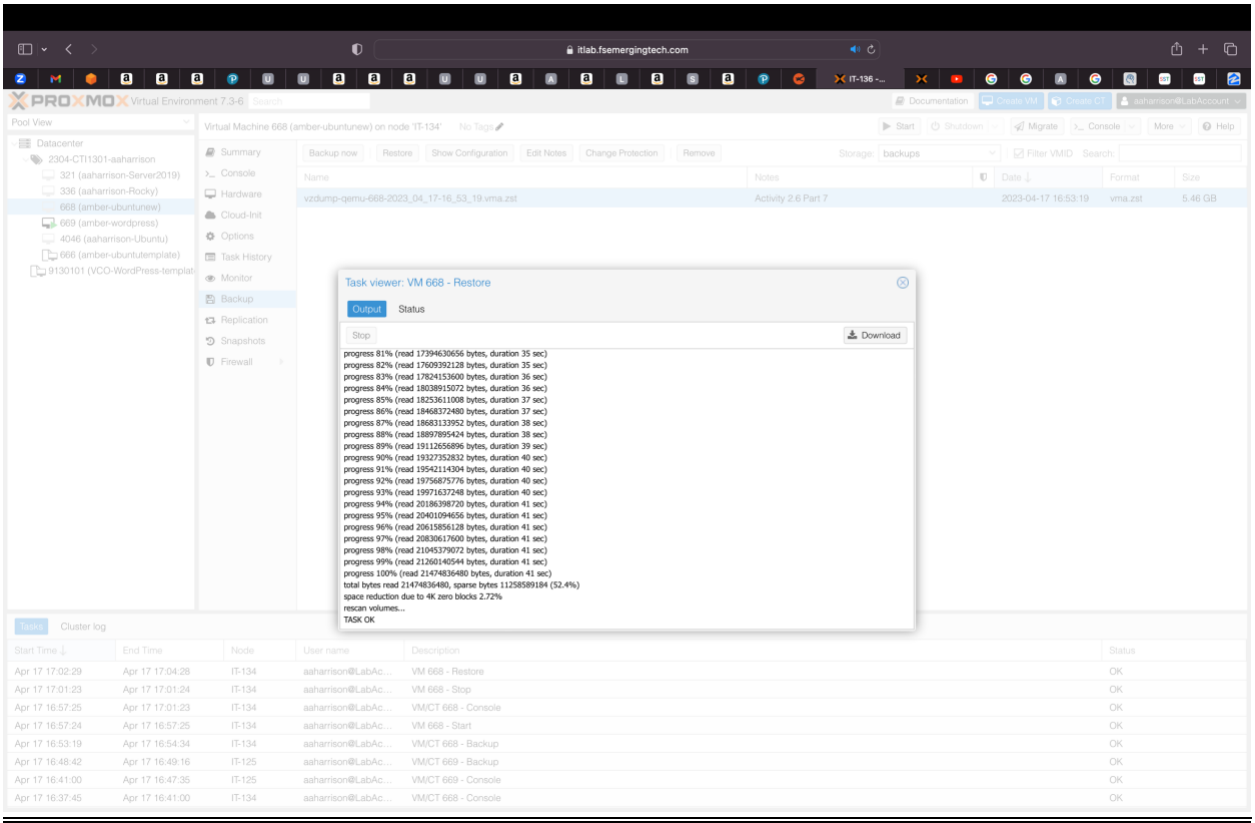

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Task viewer: VM 9130101 - Clone
Output
Status
Stop
Status stopped: OK
Task type qmclone
User name aaharrison@LabAccount
Node IT-125
Process ID 1914672
Start Time 2023-04-17 16:09:50
End Time 2023-04-17 16:09:51
Duration 1s
Unique task ID UPID:IT-125:001D3730:141293CB:643DA78E:qmclone:9130101:aaharrison@LabAccount:

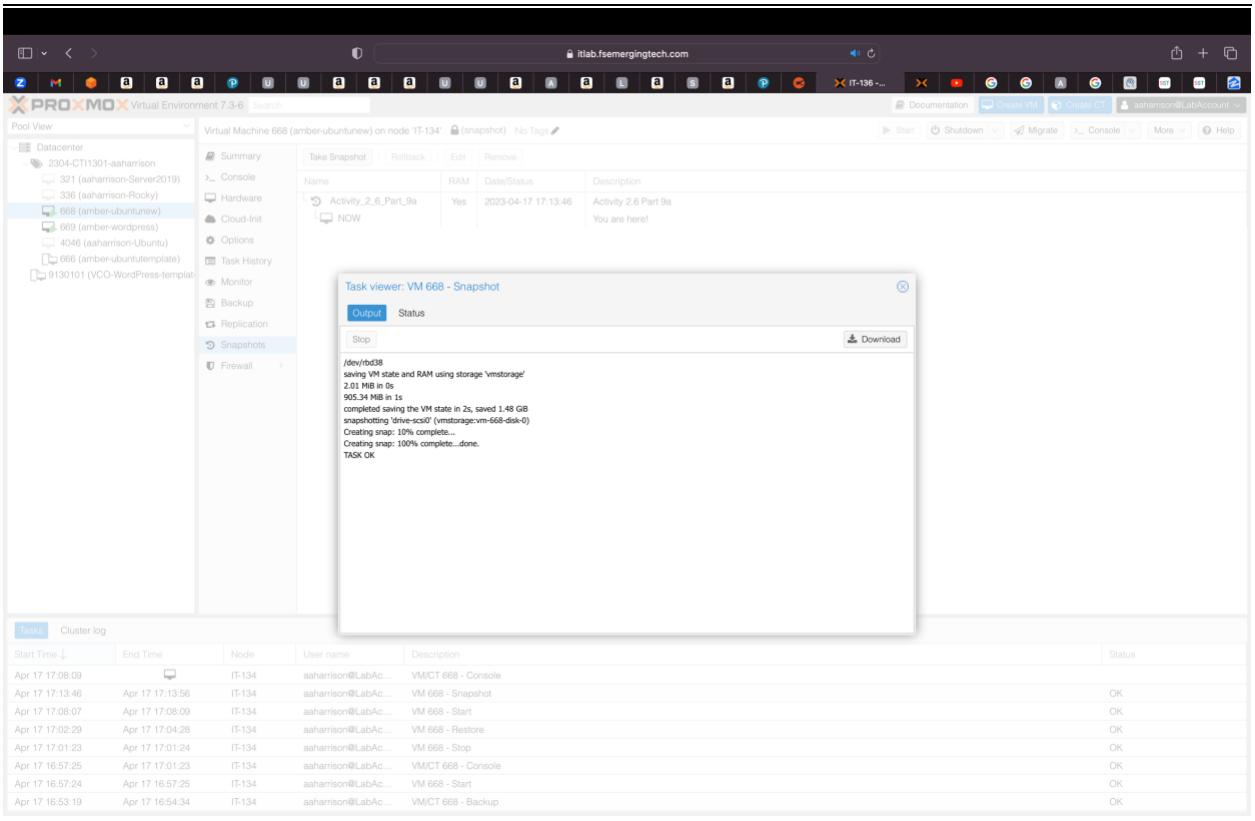

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Virtual Machine 669 (amber-wordpress) on node 'IT-125'
Summary
Console
Hardware
Cloud-Init
Options
Task History
Monitor
Backup
Replication
Snapshots
Firewall
debian login: bitnami_
Tasks
Cluster log
Start Time | End Time | Node | User name | Description | Status
Apr 17 16:17:04 | IT-125 | aaharrison@LabAc... | VM/CT 669 - Console
Apr 17 16:17:03 | Apr 17 16:17:05 | IT-125 | aaharrison@LabAc... | VM/CT 669 - Console | OK
Apr 17 16:17:01 | Apr 17 16:17:03 | IT-125 | aaharrison@LabAc... | VM 669 - Start | OK
Apr 17 16:09:50 | Apr 17 16:09:51 | IT-125 | aaharrison@LabAc... | VM 9130101 - Clone | OK
Apr 17 16:04:35 | Apr 17 16:05:52 | IT-134 | aaharrison@LabAc... | VM 666 - Clone | OK
Apr 17 16:01:08 | Apr 17 16:01:10 | IT-134 | aaharrison@LabAc... | VM 666 - Convert to template | OK
Apr 17 15:25:47 | Apr 17 15:53:33 | IT-134 | aaharrison@LabAc... | VM/CT 666 - Console | OK
Apr 17 15:25:08 | Apr 17 15:25:29 | IT-134 | aaharrison@LabAc... | VM/CT 4046 - Console | OK

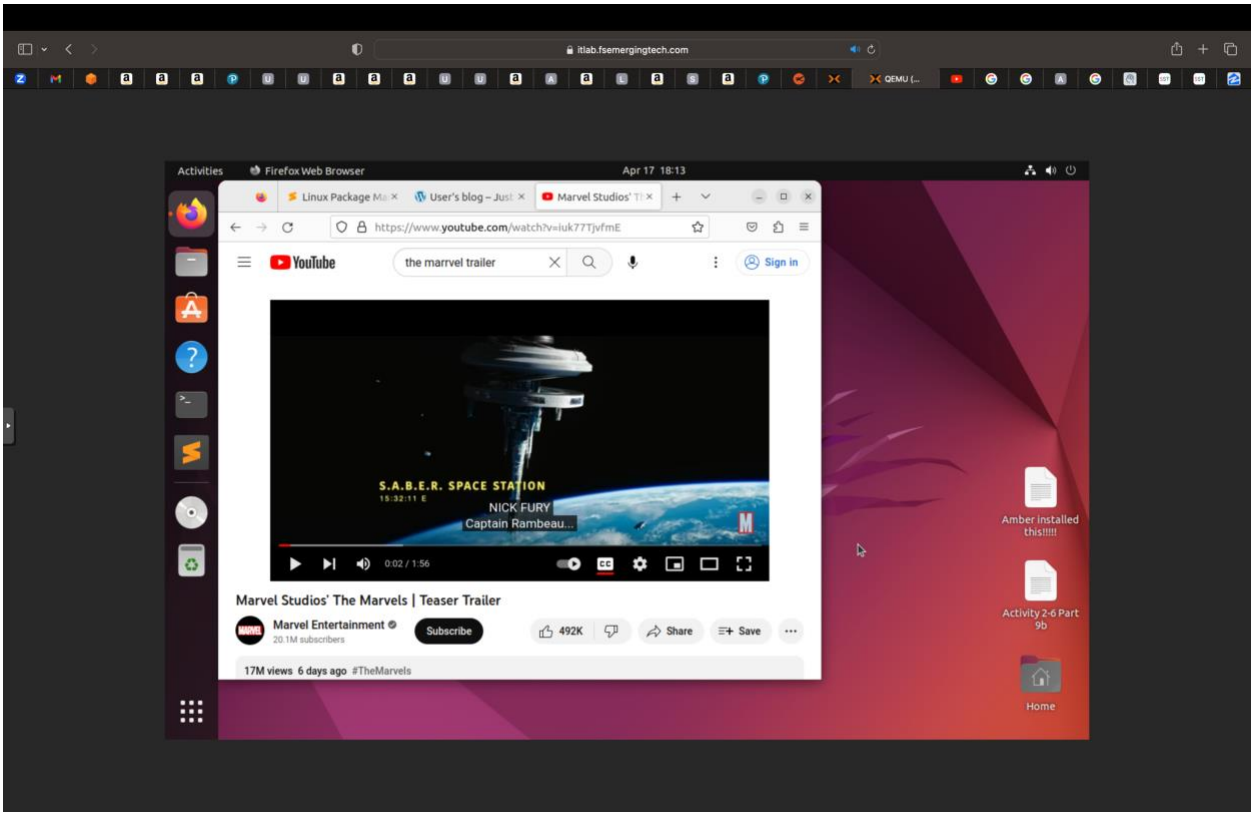

itlab.fsemergingtech.com
Activities
Firefox Web Browser
Apr 17 16:45
PING 10.1.103.191 (10.1.103.191) 56(84)
64 bytes from 10.1.103.191: icmp_seq=1
64 bytes from 10.1.103.191: icmp_seq=2
64 bytes from 10.1.103.191: icmp_seq=3
64 bytes from 10.1.103.191: icmp_seq=4
64 bytes from 10.1.103.191: icmp_seq=5
64 bytes from 10.1.103.191: icmp_seq=6
64 bytes from 10.1.103.191: icmp_seq=7
64 bytes from 10.1.103.191: icmp_seq=8
64 bytes from 10.1.103.191: icmp_seq=9
64 bytes from 10.1.103.191: icmp_seq=10
64 bytes from 10.1.103.191: icmp_seq=11
64 bytes from 10.1.103.191: icmp_seq=12
^C
--- 10.1.103.191 ping statistics ---
12 packets transmitted, 12 received, 0%
rtt min/avg/max/mdev = 0.572/4.118/28.96
10.1.103.191
User's blog
Sample Page
Hello world!
Welcome to WordPress. This is your first post. Edit or delete it, then start writing!
Home

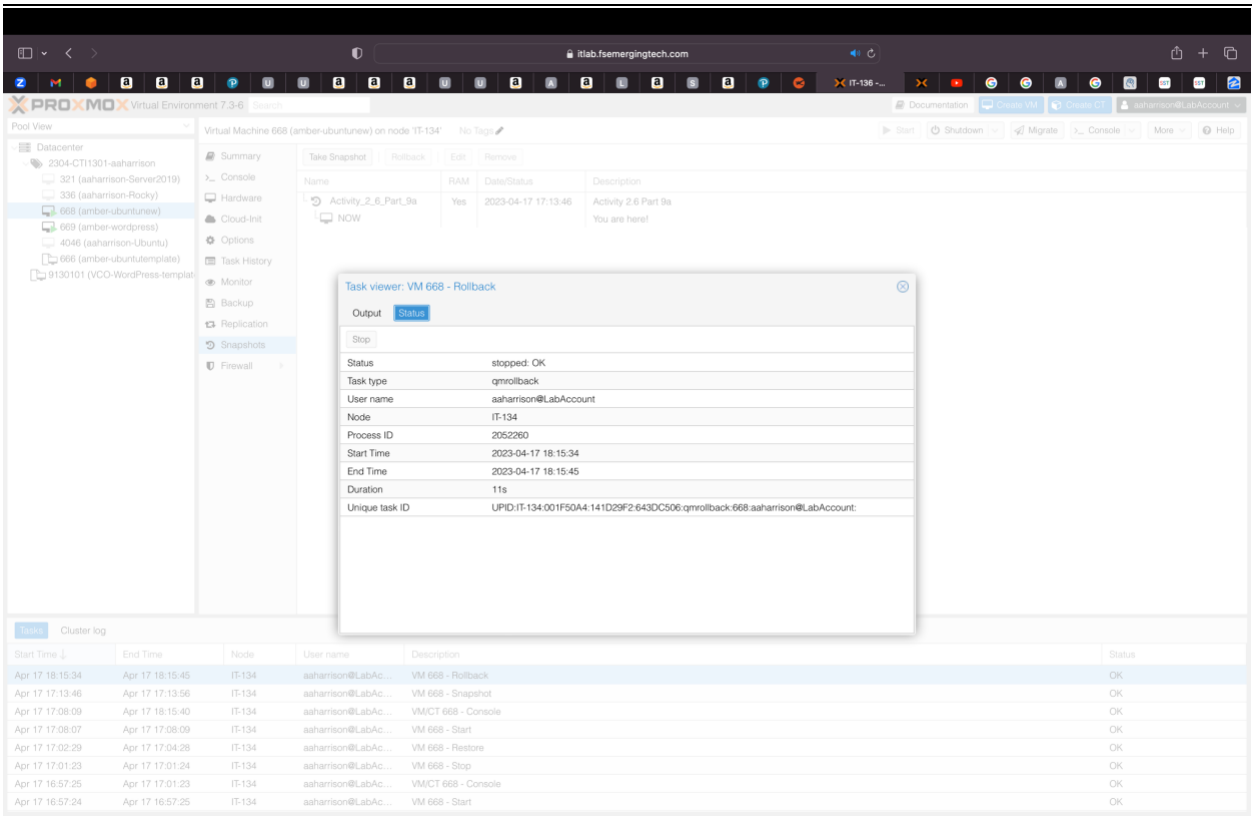

itlab.fsemergingtech.com
Task viewer: VM/CT 669 - Backup
Output
Status
Stop
Download
INFO: ionice priority: 7
INFO: creating vzdump archive '/mnt/pve/backups/dump/vzdump-qemu-669-2023_04_17-16_48_42.vma.zst'
INFO: skipping guest-agent 'fs-freeze', agent configured but not running?
INFO: started backup task '48944a0b-c789-438a-960d-1789e7864990'
INFO: resuming VM again
INFO: archive file size: 631MB
INFO: adding notes to backup
INFO: Finished Backup of VM 669 (00:00:34)
INFO: Backup finished at 2023-04-17 16:49:16
INFO: Backup job finished successfully
TASK OK

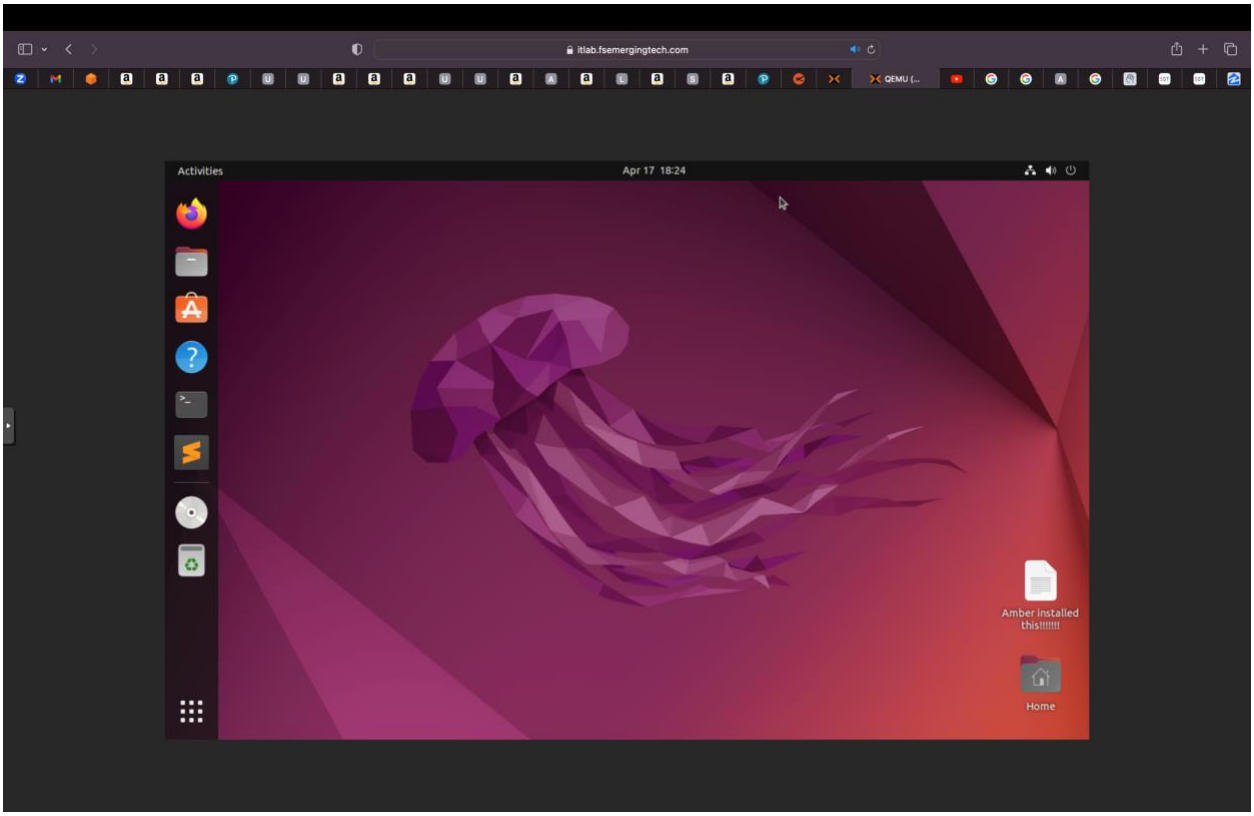

itlab.fsemergingtech.com
SeaBIOS (version rel-1.16.1-0-g3208b098f51a-prebuilt.qemu.org)
Machine UUID a788bf22-4e91-486e-9f65-f7aa07d2bce7
Booting from Hard Disk...
error: file `/boot/grub/i386-pc/normal.mod' not found.
Entering rescue mode...
grub rescue>

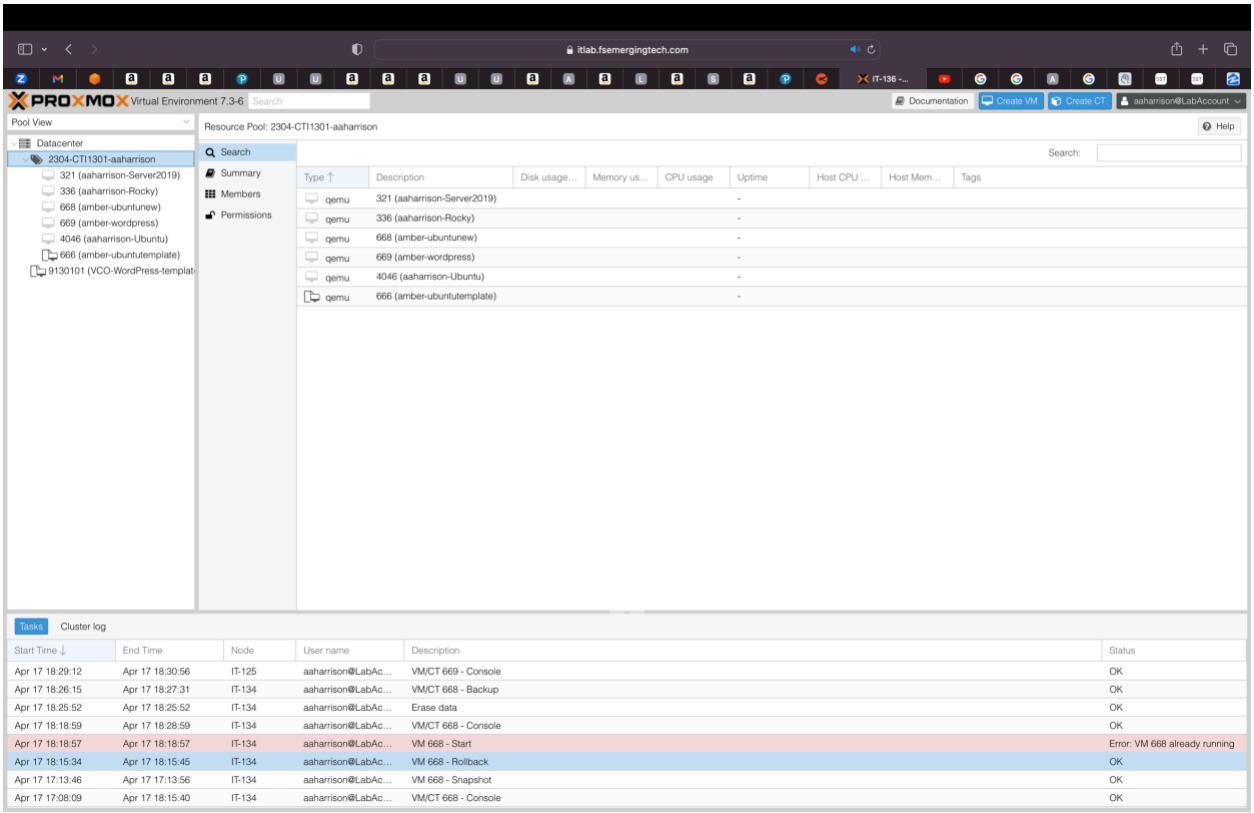

itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Task viewer: VM 668 - Restore
Output
Status
Stop
Download
progress 81% (read 17394630656 bytes, duration 35 sec)
progress 82% (read 17609392128 bytes, duration 35 sec)
progress 83% (read 17824153600 bytes, duration 36 sec)
progress 84% (read 18038915072 bytes, duration 36 sec)
progress 85% (read 18253611008 bytes, duration 37 sec)
progress 86% (read 18468372480 bytes, duration 37 sec)
progress 87% (read 18683133952 bytes, duration 38 sec)
progress 88% (read 18897895424 bytes, duration 38 sec)
progress 89% (read 19112656896 bytes, duration 39 sec)
progress 90% (read 19327352832 bytes, duration 40 sec)
progress 91% (read 19542114304 bytes, duration 40 sec)
progress 92% (read 19756875776 bytes, duration 40 sec)
progress 93% (read 19971637248 bytes, duration 40 sec)
progress 94% (read 20186398720 bytes, duration 41 sec)
progress 95% (read 20401094656 bytes, duration 41 sec)
progress 96% (read 20615856128 bytes, duration 41 sec)
progress 97% (read 20830617600 bytes, duration 41 sec)
progress 98% (read 21045379072 bytes, duration 41 sec)
progress 99% (read 21260140544 bytes, duration 41 sec)
progress 100% (read 21474836480 bytes, duration 41 sec)
total bytes read 21474836480, sparse bytes 1125858184 (52.4%)
space reduction due to 4K zero blocks 2.72%
rescan volumes...
TASK OK


itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Task viewer: VM 668 - Snapshot
Output
Status
Stop
Download
/dev/rbd38
saving VM state and RAM using storage 'vmstorage'
2.01 MiB in 0s
905.34 MiB in 1s
completed saving the VM state in 2s, saved 1.48 GiB
snapshotting 'drive-scsi0' (vmstorage:vm-668-disk-0)
Creating snap: 10% complete...
Creating snap: 100% complete...done.
TASK OK


itlab.fsemergingtech.com
Activities
Firefox Web Browser
Apr 17 18:13
https://www.youtube.com/watch?v=iuk77TjvfmE
YouTube
the marrvel trailer
Sign in
S.A.B.E.R. SPACE STATION
NICK FURY
Captain Rambeau...
0:02 / 1:56
Marvel Studios' The Marvels | Teaser Trailer
Marvel Entertainment
20.1M subscribers
Subscribe
492K
Share
Save
17M views 6 days ago #TheMarvels
Amber installed this!!!!!
Activity 2-6 Part 9b
Home


itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Task viewer: VM 668 - Rollback
Output
Status
Stop
Status stopped: OK
Task type qmrollback
User name aaharrison@LabAccount
Node IT-134
Process ID 2052260
Start Time 2023-04-17 18:15:34
End Time 2023-04-17 18:15:45
Duration 11s
Unique task ID UPID:IT-134:001F50A4:141D29F2:643DC506:qmrollback:668:aaharrison@LabAccount:


itlab.fsemergingtech.com
Activities
Apr 17 18:24
Amber installed this!!!!!!!
Home


itlab.fsemergingtech.com
PROXMOX Virtual Environment 7.3-6
Documentation
Create VM
Create CT
aaharrison@LabAccount
Pool View
Datacenter
2304-CTI1301-aaharrison
321 (aaharrison-Server2019)
336 (aaharrison-Rocky)
668 (amber-ubuntunew)
669 (amber-wordpress)
4046 (aaharrison-Ubuntu)
666 (amber-ubuntutemplate)
9130101 (VCO-WordPress-templat
Resource Pool: 2304-CTI1301-aaharrison
Help
Search
Summary
Members
Permissions
Search:
Type
Description
Disk usage...
Memory us...
CPU usage
Uptime
Host CPU ...
Host Mem...
Tags
qemu 321 (aaharrison-Server2019)
qemu 336 (aaharrison-Rocky)
qemu 668 (amber-ubuntunew)
qemu 669 (amber-wordpress)
qemu 4046 (aaharrison-Ubuntu)
qemu 666 (amber-ubuntutemplate)
Tasks
Cluster log
Start Time
End Time
Node
User name
Description
Status
Apr 17 18:29:12 Apr 17 18:30:56 IT-125 aaharrison@LabAc... VM/CT 669 - Console OK
Apr 17 18:26:15 Apr 17 18:27:31 IT-134 aaharrison@LabAc... VM/CT 668 - Backup OK
Apr 17 18:25:52 Apr 17 18:25:52 IT-134 aaharrison@LabAc... Erase data OK
Apr 17 18:18:59 Apr 17 18:28:59 IT-134 aaharrison@LabAc... VM/CT 668 - Console OK
Apr 17 18:18:57 Apr 17 18:18:57 IT-134 aaharrison@LabAc... VM 668 - Start Error: VM 668 already running
Apr 17 18:15:34 Apr 17 18:15:45 IT-134 aaharrison@LabAc... VM 668 - Rollback OK
Apr 17 17:13:46 Apr 17 17:13:56 IT-134 aaharrison@LabAc... VM 668 - Snapshot OK
Apr 17 17:08:09 Apr 17 18:15:40 IT-134 aaharrison@LabAc... VM/CT 668 - Console OK

Activity 2.6

In this activity, we learned how to clone virtual machines; Windows 2019, Ubuntu and Rocky. This technique creates a virtual machine that is a copy of the original VM. The new virtual machine is configured with the same virtual hardware, installed software, and other properties that were configured for the original virtual machine. We also created templates from the existing virtual machines. A template is a master copy of a VM that can be used to create many clones. Clone VM's can be powered on and off.

Once the template is provided, we created a linked clone to the VM. A linked clone is a copy of a VM that shares virtual disks with its parent VM in an on-going manner. This conserves disk space and allows multiple VMs to use the same software installation. It's easier to create unique VMs for individual tasks. Full clones are complete and independent copies of a virtual machine and operate separately from the original parent VM. The key advantage of cloning VMs is the reduction of time required to create multiple copies of a VM. VM cloning is most useful for deploying multiple identical VM's to a group of users.

We also created backups and restored a virtual machine. Backup and Recovery is the process of duplicating data and storing it in a secure place in case of loss or damage, and then restoring that data to a location – the original one or a safe alternative – so it can be again used in operations. There are four primary types of backups are: *full backup, differential backup, incremental backup and mirror backup*. Here are the types of data recovery: *Granular recovery of files, folders and objects, Instant mass restore, Volume recovery, Virtual Machine Disk recovery, Bare machine recovery, Instant volume mounts and Instant restores of VMs.*