



**Wright**  
**Laboratory**

Computing Environment

# Server Locations:

## Physical Servers (Physics)

schrodinger.physics - Rm: 207  
Wright.physics - Rm: 207  
Mgm.physics - Rm: 207  
quest20,21,22 (tower) - Rm: 205b  
Indico.physics.yale.edu - Rm: 205b  
Docdb.physics.yale.edu - Rm: 205b  
Lsd.physics.yale.edu - Rm: 205b  
Titan.hep.yale.edu - Rm: 205b  
Project8 - Rm: 205b

## Physics Switches:

ex3300-wns1-219-physics - 172.16.82.105 mem1 - Rm:205b  
Ex3300-wns1-219-physics 172.16.82.105 mem0 - Rm: 207  
Sciencenet 172.28.28.12 - Rm:207

## Spingup:

Moinmoinwiki - OS: Redhat  
Docdb - OS: Red hat & Centos  
Internal wiki - OS: Red hat  
Indico - OS: Centos  
Elog - Coming soon

## Physical Servers (Astronomy)

levi - levi.astro.yale.edu - Rm: 207  
levi1- Rm: 207  
vlax.astro.yale.edu (tower) - Rm: 205b  
vega.astro.yale.edu ( tower) - Rm: 207  
Ravi2.astro.yale.edu - Rm: 205b  
cauldron.astro.yale.edu- Rm: 207  
ravi3.astro.yale.edu- Rm: 205b  
glacialis.astro.yale.edu- Rm: 207  
qreserve.astro.yale.edu- Rm: 207  
roc.astro.yale.edu (tower) - Rm:205b  
Antares.astro.yale.edu - Rm: 207  
smarts.astro.yale.edu (tower) - Rm: 205b  
hitomi - Rm: 207  
qcompint.astro.yale.edu - Rm: 207  
rgot - Rm: 207  
esca - Rm: 207  
terrapin.astro.yale.edu - Rm: 207  
copernicues.astro.yale.edu (tower)- Rm: 205b  
Tortoise.astro.yale.edu - Rm: 207  
Turtle.astro.yale.edu - Rm: 207  
Mastodon.astro.yale.edu - Rm: 207  
Catania.astro.yale.edu - Rm: 207  
ravi4.astro .yale.edu - Rm: 207  
Ravi5.astro.yale.edu - Rm: 207  
Ravi6.astro.yale.edu - Rm: 207  
Mecury - Rm: 207  
Wo.astro.yale.edu - Rm: 207  
emu.astro.yale.edu- Rm: 207  
leog- Rm: 207  
pegasus.astro.yale.edu- Rm: 207

**Purpose** - Compute & File Server

**Users** - Wright Lab Groups

Helpful Hints:

10 Gb NIC died & loaner installed from Astro

help-astro Notes Updated Feb 2018

**Hardware**  
DELL Precision R720  
2 X Octo-Core+HT Intel Xeon E5-2660 0 @ 2.20GHz 64 GB  
RAM,  
500 GB system disk  
eth0 1 Gb & eth5 10 Gb @ 172.28.28.160

**Critical Services**  
-cron  
-ntpd  
-sshd  
-nfs client to S@Y  
-syslogd  
22/tcp open ssh  
4000/tcp open remoteanything

**Location** - WL 207

**Operating System** - Scientific Linux 6.9 (Carbon)

**Additional Software** - big brother or xymon client coming

**Backup Policy**  
None. This is a high performance system intended to move you forward.

**Disk Layout** - Jan 2017 Snapshot

| Filesystem                                                            | Size | Used | Avail | Use% | Mounted on      |
|-----------------------------------------------------------------------|------|------|-------|------|-----------------|
| /dev/sdb2                                                             | 392G | 250G | 138G  | 65%  | /               |
| tmpfs                                                                 | 32G  | 232K | 32G   | 1%   | /dev/shm        |
| /dev/sdb1                                                             | 446M | 90M  | 333M  | 22%  | /boot           |
| /dev/sda1                                                             | 22T  | 13T  | 9.6T  | 57%  | /home           |
| wcrsh00-18.its.yale.internal:/HEP/cuore_dp_np-627014-HEP              | 2.2T | 1.8T | 337G  | 85%  | /projects/cuore |
| wcrsh00-18.its.yale.internal:/HEP/P8_doe_np-627014-HEP                | 2.0T | 1.7T | 283G  | 86%  | /projects/p8    |
| wcrsh00-18.its.yale.internal:/HEP/DMIce_Reina_NSF-627014-HEP          | 19T  | 16T  | 2.5T  | 87%  | /projects/dmice |
| wcrsh00-18.its.yale.internal:/NFS_RSH_std_mult_001/wlab-627014-backup | 500G | 414G | 87G   | 83%  | /backup         |

# New Services:

Indico - The Indico tool allows you to manage complex conferences, workshops and meetings. <https://indico.cern.ch/>

DocDB - DocDB is a powerful and flexible collaborative document server. <http://docdb-v.sourceforge.net/>

Elog - Elog is a web application that can be used to create personal and common logbooks.

Google Sites - Used to house server environment information.

Mediawiki - MediaWiki is a free and open-source wiki software.

## Forward Thinking:

- Add server monitoring. (OpsView, Zabbix, etc.)
  - With these monitoring tools we will be able to check the vitals of the environment live remotely.
  - We would be able to see everything from how much power a server is using to how much processing is being done at any point and time or if it's starting to fail.
- Reorganize both server rooms so all Wright Lab / Astronomy servers are easier to locate.
- Create a (DR) disaster recovery plan (floods, fires) / discuss redundancy measures for data.
- Using Containers to deploy code and servers (docker,kubernetes)
- Virtual Private Cloud (Openstack) (With my help, the YCRC is currently building a VPC environment)
  - With a VPC we would be able to do a variety of things such as:
    - Create scalable westies that can dynamically be scaled up or down at any moment. Say for maintenance or provisioning you don't have to bring the site down.
    - Software testing various environment, running code or testing data. You can have a fresh live environment where you can destroy it after your finished with it without worrying about bogging up or damaging another system.
    - Supercomputing where you can "create" servers that are all "identical" so you can work on complex problems in parallel.

# Goals:

- Help stabilize the Wright Lab's environment
- Work with researchers to innovate with bleeding edge technologies
- 

## Contacts:

David Backeberg - [David.backeberg@yale.edu](mailto:David.backeberg@yale.edu)

Craig Henry - [craig.henry@yale.edu](mailto:craig.henry@yale.edu)

Alexander Behzad - [Alexander.behzad@yale.edu](mailto:Alexander.behzad@yale.edu)

- Slack - I am available on the Wright Lab slack channel for simple questions. <https://wrightlab.slack.com/@abehzad>

- Help email - For all other inquiries via [help-wlab@yale.edu](mailto:help-wlab@yale.edu)

**Purpose** File & Virtual Host Server

**Users** - HEP - David Rabinowitz

Helpful Hints: supports virtual host hyperion.physics.yale.edu 130.132.48.31

For Assistance: Alexander Behzad

OR Help-Astro

Updated Feb, 2018

**Hardware**  
SuperMicro X9DRi/3-LN4+ Server 4U 2013  
2X Xeon E5-2620 0 HexCore+HT 2.0GHz, 64 GB RAM,  
system disks /dev/sda 48TB, /dev/sdb 32 TB, dev/sdc 30 TB  
/dev/sdd 236 GB, /dev/sde 256 GB  
eth0: 1 Gbp Full Duplex  
Intel I350 Quad 1 Gb Ports  
  
Intel X540-AT2 Dual 10 Gb Ports

**Critical Services**  
-sshd  
-virt-manager  
-syslogd  
**NMAP list**  
PORT STATE SERVICE  
PORT STATE SERVICE  
22/tcp open ssh  
4000/tcp open remoteanything

**Location** - WL 205B

**Operating System** - ScientificLinux 6.9 (Carbon)

**Additional Software** OpsView TBD

**Backup Policy**

**Disk Layout** - Jan 2017 Snapshot  
Filesystem Size Used Avail Use% Mounted on  
/dev/md126p 96G 83G 8.6G 91% /  
tmpfs 32G 0 32G 0% /dev/shm  
/dev/sdc1 16T 14T 1.8T 89% /data1  
/dev/sdc2 14T 14T 0 100% /data2  
/dev/sdc3 14T 12T 1.1T 92% /data3  
/dev/sdd1 14T 13T 0 100% /data4  
/dev/sdd2 14T 4.9T 7.9T 39% /data5  
/dev/md126p3 96G 47G 45G 52% /home  
/dev/sde1 14T 5.6T 7.3T 44% /data6  
/dev/sde2 14T 8.0T 4.9T 63% /data7

**Purpose -**

**Users -**

Helpful Hints: indico has not been used since apparently 2015 so it was shut down by Craig

For Assistance: Help-Astro

Updated Feb, 2018

**Hardware**  
SuperMicro X8DTU Server 1U 2010  
2X Xeon X5570 QuadCore + HT 2.93GHz, 16 GB RAM,  
750 GB SATA system disk /dev/sda  
eth0: (driver xxx 1 Gbps Full Duplex)  
Intel 82576 Dual Gigabit Ports

**Critical Services**  
-sshd  
-syslogd  
**NMAP list**  
PORT    STATE SERVICE  
22/tcp   open  ssh

**Location**  
WL 205B

**Operating System**  
CentOS 6.9

**Additional Software** OpsView TBD

**Backup Policy**

**Disk Layout - Jan 2017 Snapshot**  

| Filesystem | Size | Used | Avail | Use% | Mounted on |
|------------|------|------|-------|------|------------|
| /dev/sda1  | 577G | 27G  | 521G  | 5%   | /          |
| tmpfs      | 7.4G | 0    | 7.4G  | 0%   | /dev/shm   |



Purpose -

Users -

Helpful Hints: docdb.wlab.yale.edu aliased to this host

aptitude show equivalent for yum info

For Assistance: Help-Astro

Updated Feb 2018

| <b>Hardware</b><br>SuperMicro X8DTU Server 1U 2010<br>2X Xeon X5570 QuadCore+HT 2.93GHz,<br>16 GB RAM,<br>500 GB SATA system disk /dev/sda<br>eth0: (driver xxx 1 Gbps Full Duplex)<br>Intel 82576 Dual Gigabit Ports | <b>Critical Services</b><br>-httpd default 4 daemons<br>-sshd<br>-syslogd<br><b>NMAP list</b><br>PORT STATE SERVICE, 22/tcp open ssh, 80/tcp open http, 111/tcp open rpcbind,139/tcp open netbios-ssn, 445/tcp open microsoft-ds, 901/tcp open samba-swat, 8080/tcp open http-proxy, 8084/tcp open unknown, 8085/tcp open unknown                                                                                                                                                                                                                                                                                                                                                                                                          |            |       |      |            |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|------|------------|------|------------|--------|------|-----|------|-----|---|------|-----|---|-----|----|------|-------|------|------|------|----|------|--------------------------------------------------------|------|-----|------|-----|---|-------|------|---|------|----|-----------|-------|------|---|------|----|----------|
| <b>Location</b><br>WL 205B                                                                                                                                                                                            | <b>Disk Layout</b> - Jan 2017 Snapshot<br><table><tr><th>Filesystem</th><th>Size</th><th>Used</th><th>Avail</th><th>Use%</th><th>Mounted on</th></tr><tr><td>rootfs</td><td>439G</td><td>71G</td><td>347G</td><td>17%</td><td>/</td></tr><tr><td>udev</td><td>10M</td><td>0</td><td>10M</td><td>0%</td><td>/dev</td></tr><tr><td>tmpfs</td><td>1.6G</td><td>764K</td><td>1.6G</td><td>1%</td><td>/run</td></tr><tr><td>/dev/disk/by-uuid/90af279b-b305-4255-aad2-fbf8b7c7f2e9</td><td>439G</td><td>71G</td><td>347G</td><td>17%</td><td>/</td></tr><tr><td>tmpfs</td><td>5.0M</td><td>0</td><td>5.0M</td><td>0%</td><td>/run/lock</td></tr><tr><td>tmpfs</td><td>7.0G</td><td>0</td><td>7.0G</td><td>0%</td><td>/run/shm</td></tr></table> | Filesystem | Size  | Used | Avail      | Use% | Mounted on | rootfs | 439G | 71G | 347G | 17% | / | udev | 10M | 0 | 10M | 0% | /dev | tmpfs | 1.6G | 764K | 1.6G | 1% | /run | /dev/disk/by-uuid/90af279b-b305-4255-aad2-fbf8b7c7f2e9 | 439G | 71G | 347G | 17% | / | tmpfs | 5.0M | 0 | 5.0M | 0% | /run/lock | tmpfs | 7.0G | 0 | 7.0G | 0% | /run/shm |
| Filesystem                                                                                                                                                                                                            | Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Used       | Avail | Use% | Mounted on |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| rootfs                                                                                                                                                                                                                | 439G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 71G        | 347G  | 17%  | /          |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| udev                                                                                                                                                                                                                  | 10M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 0          | 10M   | 0%   | /dev       |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| tmpfs                                                                                                                                                                                                                 | 1.6G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 764K       | 1.6G  | 1%   | /run       |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| /dev/disk/by-uuid/90af279b-b305-4255-aad2-fbf8b7c7f2e9                                                                                                                                                                | 439G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 71G        | 347G  | 17%  | /          |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| tmpfs                                                                                                                                                                                                                 | 5.0M                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0          | 5.0M  | 0%   | /run/lock  |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| tmpfs                                                                                                                                                                                                                 | 7.0G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 0          | 7.0G  | 0%   | /run/shm   |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| <b>Operating System</b><br>Debian 7.8                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |       |      |            |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |
| <b>Additional Software</b> OpsView TBD                                                                                                                                                                                | <b>Backup Policy</b><br>daily:<br>* dump the mysql databases: cosine cuore docdb wlab<br>* dump the webroot<br>* copy them over to the S@Y share for backups, which is now auto mounted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |            |       |      |            |      |            |        |      |     |      |     |   |      |     |   |     |    |      |       |      |      |      |    |      |                                                        |      |     |      |     |   |       |      |   |      |    |           |       |      |   |      |    |          |

**Purpose** File & Compute Server  
**Users** - George Fleming & Isd Shared Account  
Helpful Hints:  
For Assistance: George\_Fleming  
created Jan, 2017; updated May 2017

**Hardware**  
SuperMicro Server 4U 2008  
2X Intel Xeon X5650 HexCore + HT 2.67GHz CPUs, 48 GB RAM,  
2X Nvidia Tesla C2050 GPUs  
3Ware 9650SE RAID  
eth0: 1 Gbps Full Duplex  
Intel 82576 Dual Gb Ports

**Critical Services**  
-sshd  
-httpd(s)  
-syslogd  
**NMAP list**  
PORT STATE SERVICE  
PORT STATE SERVICE  
22/tcp open ssh  
80/tcp open http  
443/tcp open https  
631/tcp closed ipp

**Location** - WL 205B  
**Operating System** - Scientific Linux 5.11

**Additional Software** /opt/python2.7/bin/python - Version 2.4.3  
OpsView TBD

**Backup Policy**

**Disk Layout** - May 2017 Snapshot  
Filesystem Size Used Avail Use% Mounted on  
/dev/sda1 95G 39G 51G 44% /  
/dev/sda3 41G 18G 21G 47% /home  
tmpfs 24G 0 24G 0% /dev/shm  
/dev/sdb1 39T 21T 19T 53% /data

**Purpose** - Compute & File Server  
**Users** - Primary Cuore GroupHelp-Astro notes created, Updated Feb 2018

**Hardware**  
DELL Precision R730  
2 X Hex-Core+HT Intel Xeon E5-2660v3 2.2 GHz 64 GB RAM,  
500 GB system disk  
em3: (driver xx 1 Gbps Full Duplex)  
embedded Broadcom

**Critical Services**  
-crond  
-ntpd  
-sshd  
nfs client to S@Y  
Syslogd  
NMAP  
22/tcp open ssh  
4000/tcp open remoteanything

**Location**  
WL 207

**Operating System**  
Scientific Linux 6.9

**Additional Software Big** OpsView coming

**Backup Policy**  
?

**Disk Layout** - Jan 2017 Snapshot  
Filesystem      Size Used Avail Use% Mounted on  
/dev/sdh2      289G 170G 117G 60% /  
tmpfs            32G 988K 32G 1% /dev/shm  
/dev/sdh1      999M 280K 998M 1% /boot/efi  
wcrsh00-18.its.yale.internal:/HEP/cuore\_dp\_np-627014-HEP  
2.2T 1.8T 337G 85% /projects/cuore

**Purpose** -  
**Users** - David Rabinowitz  
Helpful Hints:  
For Assistance: David Rabinowitz  
OR Help-Astro  
created Jan, 2017

|                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hardware</b><br>HP Z800 Tower<br>2X Intel Xeon HexCore+HT E 5645 2.4GHz, 24 GB RAM,<br>enp1s0 - 130.132.48.47<br>enp2s0 - 192.168.100.1 | <b>Critical Services</b><br>-sshd<br>-syslogd<br><b>NMAP list</b><br>PORT STATE SERVICE<br>22/tcp open ssh                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Location</b><br>WL 205B                                                                                                                 | <b>Operating System</b> - CentOS 7.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Additional Software</b> Big brother or xymon client coming                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Backup Policy</b>                                                                                                                       | <b>Disk Layout</b> - Jan 2017 Snapshot<br>Filesystem <b>Size Used Avail Use% Mounted on</b><br>/dev/mapper/centos_quest20-root 50G 8.5G 42G 17% /<br>devtmpfs                    12G 0 12G 0% /dev<br>tmpfs                        12G 88K 12G 1% /dev/shm<br>tmpfs                        12G 26M 12G 1% /run<br>tmpfs                        12G 0 12G 0% /sys/fs/cgroup<br>/dev/mapper/centos_quest20-home 87G 35G 52G 40% /home<br>/dev/sda1                    497M 160M 338M 33% /boot<br>quest21_local:/data1        1.8T 523G 1.2T 30% /data1<br>quest21_local:/data2        1.8T 1.5T 223G 88% /data2<br>tmpfs                        2.4G 12K 2.4G 1% /run/user/0 |

**Purpose** -  
**Users** - David Rabinowitz  
Helpful Hints:  
For Assistance: David Rabinowitz  
OR Help-Astro  
created Jan, 2017

**Hardware**  
HP Proliant Tower ML 310 G5p  
Pentium D E 2160 1.8GHz, 2 GB RAM,  
eth0 - 130.132.48.48  
eth1 - 192.168.100.2

**Critical Services**  
-sshd  
-syslogd  
**NMAP list**  
all filtered

**Location**  
WL 205B

**Operating System**  
ScientificLinux 6.1

**Additional Software** - big brother or xymon client coming

**Backup Policy**

**Disk Layout** - Jan 2017 Snapshot  
Filesystem                      **Size Used Avail Use% Mounted on**  
/dev/mapper/vg\_quest21-LogVol01 270G   51G   206G   20% /  
tmpfs                              1003M   260K   1003M   1% /dev/shm  
/dev/sdd1                          485M   32M   429M   7% /boot  
/dev/sdb1                          1.8T   523G   1.2T   30% /data1  
/dev/sdc1                          1.8T   1.5T   223G   88% /data2  
/dev/sda1                          221G   20G   190G   10% /backup  
quest22\_local:/data1            1.8T   368G   1.4T   22% /data3

Purpose -

Users - David Rabinowitz

Helpful Hints:

For Assistance: David Rabinowitz

OR Help-Astro

QUEST-22

Hardware

HP Proliant Tower ML 310 G5p  
Pentium D E 2160 1.8GHz, 2 GB RAM,  
eth0 - 130.132.48.49  
eth1 - 192.168.100.3

Critical Services

-nfsd  
-sshd  
-syslogd  
**NMAP list**  
PORT STATE SERVICE  
22/tcp open ssh  
80/tcp open http  
443/tcp open https  
4000/tcp open remoteanything  
5901/tcp closed vnc-1  
5902/tcp closed vnc-2  
5903/tcp closed vnc-3  
6001/tcp closed X11:1  
6002/tcp closed X11:2  
6003/tcp closed X11:3

Location

WL 205B

Operating System

ScientificLinux 6.1

**Additional Software** big brother or xymon client coming

Backup Policy

Disk Layout - Jan 2017 Snapshot

| Filesystem                      | Size | Used | Avail | Use% | Mounted on       |
|---------------------------------|------|------|-------|------|------------------|
| /dev/mapper/vg_quest22-LogVol01 | 70G  | 127G | 130G  | 50%  | /                |
| tmpfs                           | 938M | 80K  | 938M  | 1%   | /dev/shm         |
| /dev/sdc1                       | 485M | 54M  | 407M  | 12%  | /boot            |
| /dev/sda1                       | 1.8T | 368G | 1.4T  | 22%  | /data1           |
| /dev/sdb1                       | 1.8T | 40G  | 1.7T  | 3%   | /data2           |
| /dev/sdd3                       | 673G | 389G | 250G  | 61%  | /media/hep92adds |

**Purpose** - Host Server for Multiple Virtuals

**Users** - Wright Lab Groups

Helpful Hints: Underlying Virtual Hosts

60GBelogrpsr-clone - Running

cuoresite - Running

docdb-physics -Shutoff

elog-physics - Running

moinwiki.physics - Running

project8site - Shutoff

rhig.igration.physics - Running

help-astro Notes Created Jan 2017

**Hardware**

DELL Precision R320  
Single Hex-Core+HT Intel Xeon E5-2430 v2 @ 2.50GHz 32 GB  
RAM,  
500 GB system disk  
2 TB data disk for VMs  
em2 1 Gb

**Critical Services**

-cron  
-ntpd  
-sshd  
-virt-manager  
-syslogd  
NMAP  
22/tcp open ssh  
4000/tcp open remoteanything

**Location** - WL 207

**Operating System** - Scientific Linux 6.8

**Additional Software**

**Backup Policy**

**Disk Layout** - Jan 2017 Snapshot  
Filesystem            Size   Used Avail Use% Mounted on  
/dev/mapper/vg\_schrodinger-lv\_root  
                         50G   29G   20G   60% /  
tmpfs                   16G   84K   16G   1% /dev/shm  
/dev/sda1               477M   119M   333M   27% /boot  
/dev/mapper/vg\_schrodinger-lv\_home