Install slurm documentation

Note: assuming you are in your login/controller node

1. Install slurm onto system on login/controller node
    1. sudo yum install slurm
2. All commands used
    1. Check for slurm files
        1. cd /etc/slurm/
        2. Ls
        3. cat slurm.conf
    2. Check batch
        1. which sbatch
    3. Install slurm info
        1. yum info slurm
    4. info
        1. yum info slurm*
        2. yum info slurm–client
    5. Status after downloading
        1. systemctl status
    6. Logging
        1. cat /var/log/
    7. Checked if munge is running
        1. systemctl status munge
    8. Status
        1. systemctl status slurmd*
        2. Nothing output though
    9. cd
        1. cd /usr/lib
        2. cd /usr/lib/systemd/
    10. System permissions it seems
        1. ls -la
    11. Don't know what this did but no output
        1. ls -la | less
    12. In lib: [rocky@scc135-login lib]$
        1. Ls
    13. More files looked into
        1. nano /usr/lib/systemd/system/sl
    14. Nothing output but looking for "lowercase LL" command
        1. nano /usr/lib/systemd/system/slurmctld.service
    15. Find slurm where it was installed
        1. which slurmctld

16. No match tried to install slurmctld
    1. sudo yum install slurmctld
17. Ran this command
    1. cat /etc/o
18. Getting version of rocky
    1. cat /etc/os-release
19. Installed slurmctld
    1. sudo yum install slurm-slurmctld
20. Check status of installed for slurm
    1. systemctl status slurmctld
21. Start slurmctld service
    1. systemctl start slurmctld
    2. It fails because it needs certain access and permissions as root user
22. Started as root user
    1. sudo systemctl enable slurmctld.service
23. Start service now that its as root user
    1. sudo systemctl start slurmctld
24. See status
    1. sudo systemctl status slurmctld
25. Install it again
    1. sudo yum install slurm-slurmd
26. Check the specs of this node (for example this is login node)
    1. slurmd -C
27. Edit slurm config file
    1. [rocky@scc135-login slurm]$ ls
    2. cat slurm.conf
    3. Then edit slurm config file to fit all nodes and paste to other nodes
28. We can see our nodes
    1. cat /etc/hosts
29. Read config file if any changes were made
    1. sudo scontrol reconfigure
30. Restart slurm to take effect
    1. sudo systemctl restart slurmctld
31. To see if we have slurm is installed
    1. sinfo
32. See if firewall is running
    1. systemctl status firewalld
33.