Linux

How do you debug disk space issues?

df -h

What is inode and what's its purpose

**inode** is the unique name given by the operating system to each file

How to check files used by a service or process

 lsof /dev/null

AWS

How to you monitor AWS infrastructure?

Cloud formation is an orchestration or infrastructure or server deployment tool

Managed server deployment which Amazon provides

It takes JSON as an input

It build entire infrastructure stats

How do you whitelist public IP for a virtual machine on AWS?

**IP whitelisting** is a security feature often used for limiting and controlling access only to trusted users. **IP whitelisting** allows you to create lists of trusted **IP** addresses or **IP** ranges from which your users can access your domains

To assign a **public** IPv4 address to an instance during launch

Choose Launch Instance. Select an AMI and an instance type, and then choose Next: Configure Instance Details. On the Configure Instance Details page, for Network, select a VPC. The Auto-assign **Public IP** list is displayed.

How to do you monitor memory utilization/disk space utilization with Cloud

watch

Open crontab with export VISUAL=nano; crontab -e and paste in the following **command**. This will send data to **CloudWatch** every minute. \*/1 \* \* \* \* root /home/ec2-user/**aws**-scripts-mon/mon-put-instance-data.pl --mem-util --mem-used --mem-avail --**disk**-**space**-util --**disk**-**space**-used --**disk**-**space**-avail --**disk**-path=/

Python

How would you rate yourself on Python scripting and why?

2 on a scale of 5, Haven’t done much scripting, mostly on operations side and admin side

What kind of scripts have you written in python?

Interacting with an API

Ansible

How do you write and execute Ansible playbook?

**Run Your First Command and Playbook**

1. Install **Ansible**.
2. Establish a manual connection to a managed node.
3. **Run** your first network **Ansible** command.
4. Create and **run** your first network **Ansible Playbook**.
5. Gathering facts from network devices.

Difference between playbook and role

**Role** is a set of tasks and additional files to configure host to serve for a certain **role**.

**Playbook** is a mapping **between** hosts and **roles**