



SURESH KUMAR

System Administrator

CONTACT



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EDUCATION

2022-2023

PG- Diploma in High
Performance Computing
and System Administration
CDAC PUNE

2018-2022

B.TECH (ELECTRONIC AND
COMMUNICATION)

Punjab Technical University

2014

Intermediate(STATE BOARD)

J & K state board

LANGUAGE

English

Hindi

Dogri

Punjabi

PROFILE

I am skilled in managing HPC software stacks, including compilers, libraries, and application software. I am troubleshooting and resolving complex software and hardware issues that arise in HPC systems. I am familiar with system performance monitoring tools and am proficient in analyzing system metrics to identify and address bottlenecks and other performance issues.

MY PROJECT

Containerizing PXE Cluster Deployment on VMware

This project involves building a PXE cluster on VMware using Docker containers. The cluster can be used to boot virtual machines over the network, providing a flexible and scalable solution for managing large numbers of virtual machines. The project includes creating a Docker image for the PXE server, setting up a virtual network on VMware, defining the PXE cluster using a Docker file, and configuring virtual machines to boot over the network. We gain several benefits by building a PXE cluster on VMware using Docker containers. Firstly, we can easily scale our infrastructure to meet the needs of our organization. Secondly, we can take advantage of the powerful virtualization technology provided by VMware, which allows us to easily create and manage virtual machines. Finally, we can leverage the benefits of containerization provided by Docker, such as consistency and portability, which make it easier to manage and troubleshoot our PXE cluster.

MY SKILLS & EXPERTISE

DevOps



Python



Linux Administration (Shell Scripting)



Network Security



Security management (Firewall & pfsense)



Resource Management



Hadoop Administration

