

CLOVIS WABILA VUDINGA

RHCE #210-008-694

Linux / DevOps Engineer

<https://portfolio.clovis-12eleven.com>

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Vacoas, Mauritius

UNIX | Linux | Shell Scripting | Ansible | Docker | Podman | Singularity | Performance Tuning | SOLARIS 10 | RHEL 6, 7, 8 & 9 | VMware ESXI | KVM | LVM | HTTPD | LDAP/AD | SAN | NAS | TCP/IP | DHCP | DNS | NFS | SSL/TLS | SMTP | SAMBA | Git | Jira | VPS | AWS | PROXMOX | RAID | AWS Parallel Clusters | HPC | Microstrategy

Summary:

Red Hat Certified Linux System Engineer with about 8 years of experience in a multiplatform environment with hands-on experience in the administration and management of Solaris 10 operating systems and Red Hat Enterprise Linux 6; 7, 8 & 9.

- **Solid background in systems and software installation using Ansible**, user and group administration, role-based access control, file transfer, and sharing; competent in file systems, volume and storage management, and patch management. Perform Systems Administration activities as part of the Firm's Technical Infrastructure team.
- **Expertise in high-performance computing (HPC) technologies.** System administration, seeking to leverage expertise in building and managing HPC environments.
- **Experience with monitoring log management on UNIX/Linux servers** including processes, crash and swap management, with password recovery and performance tuning.
- **Provide production support for Red Hat Enterprise Linux** and Sun Solaris operating systems.
- **Experience in connecting Linux systems** to Single Sign-on LDAP/AD Server and configuring auto-mount. I also have experience with virtualization (VMware ESXi and KVM).
- **Experience with Systems administration** including configuration of server-based systems, system installation and configuration, fundamentals of security, and installing third-party software.
- **Experience in installing and configuring Apache HTTPD, MariaDB, PHP.** Also performing regular system backup & recovery experience.

- **Experience in Docker/Podman Containers;** verifying, mounting, and monitoring container images for users.
- **Adaptable, collaborative, strong team player, detail-oriented** ability to multitasking. Excellent problem-solving, analytical skills, interpersonal, verbal, and written communication skills; ability to work within strict deadlines and with a wide spectrum of people.

Portfolio:

Scheme through my cool website here [Clovis Wabila \(clovis-12eleven.com\)](http://Clovis Wabila (clovis-12eleven.com))

Education & Training:

- GCE Certificate in Electrical Technology
- Brevet De Technicien (BACC) in Sheet Metal Engineering
- Technical School Teacher's Diploma 1 (DIPET 1) In Mechanical Engineering.
- Bachelor of Technology from The University of Bamenda
- UNIX-Linux System from Linux Academy

Certification:

- RedHat Certified Engineer (RHCE):
Verify a Red Hat Certified Professional | redhat.com
- RedHat Certified System Administrator (RHCSA) Credential:
Verify a Red Hat Certified Professional | redhat.com
- WES certificate evaluation:
<https://badges.wes.org/Evidence?i=95a07c6d-fd14-492d-9dad-f19098b6b1dc&type=ca>

Professional Experience:

Accenture, Ebene, Mauritius

July 2023 to Present

Technical Lead

- In charge of clearing P1, P2 and P3 tickets
- Champion security and compliance
- Use Jira to allocate and track down investigation and resolution tasks.
- Manage multiple sites of the application Microstrategy

- Install new sites, carry out releases and patches of Microstrategy
- Work with clients to optimize the system while decreasing the time to generate reports.
- Train other members of my team.
- Troubleshoot and suggest solutions to SNOW PTASKs
- Close SNOW Incidents and provide permanent fixes.
- Maximize company resources by means of decom, Manage log rotation and monitoring with Nagios or Grafana.
- Install and configure a Privately hosted Version control (GitLab)
- Set up a git repo for CI/CD connecting them to Ansible Automation platform.
- Write Ansible roles and playbooks to automate regular tasks, ensure consistency, and eliminate human errors.
- Install, configure, and manage PROXMOX on Hetzner servers
- Write Ansible automation scripts for the installation and configuration of PROXMOX.
- Install, configure, and Manage AWS Parallel clusters (HPC) for Machine Learning.
- Design AWS architectures and implement them.
- Set up Active Directory on AWS and configure HPC Parallel Cluster login using AD.
- Configure AWS API gateways with Lambda functions.
- Use AWS Cloud shell to configure FSX lustre connections to S3 buckets.
- Use AWS Slurm to schedule and manage compute nodes on Clusters.
- Configure and monitor AWS resources using CloudWatch.
- Put in place the AWS HPC Parallel Cluster user interface (UI) and configure Nice DCV/ SSM for master nodes.
- Manage APIs, Clusters, and Lambda functions using CloudFormation.

Accenture, Ebene, Mauritius

April 2022 to July 2023

DevOps Engineer

- Set up and run Jenkins Pipelines

- Set up AWX, wrote ansible roles, and set up inventory files
- Do Builds and Install applications.
- Updated Oracle databases
- Help the Scrum team develop their Ansible skills to implement the new solution (MicroStrategy as Self-Service)
- Developed a plan to monitor progress and performance.
- Proposed Infra extensions of the POC to prove the robustness of automated developments: Multi-node MicroStrategy and implementation of administration and operation tools for deployed services.
- Gave inputs to the architects to adapt the TSD if necessary
- Guaranteed the management of sources under GIT
- Automate the deployment of the MicroStrategy solution via Ansible:
- Automations were configurable. The settings were documented and explained gradually and in the transfer of knowledge at the end of the mission.
- Carried out peer reviews with other DevOps and MSY experts in the field.
- Reporting: carried out periodic reporting using JIRA to track progress.
- Exposed problems and proposed a joint resolution plan.
- Automated deployments and infrastructure and software as code to ensure repeatability and variable configuration of installations and their scalability
- Tested the automation carried out in the minimal configuration defined.
- Documented the automation performed
- Transferred know-how
- My mission was to be punctual; feedback and training activities for the team were carried out based on the developments, demonstrations, and associated documentation: Sequence diagrams.
- Configuration management (including GIT)
- CD Continuous Delivery
- Mastery of OS AIX, Linux, Windows
- Ansible mastery and AWX deployment
- Integration of components and software packages
- Implementation and definition of automation methods infra and deployment as code, tools, and procedures
- Architectural design
- Emerging technologies

Lee Labs, USA
<https://methylo.me.ai/>
HPC Engineer

September 2021 to April 2022

- Led the design and deployment of an HPC cluster tailored for medical research applications in a self-hosted data center.
- Implemented and managed Open OnDemand portal for streamlined user access to HPC resources.
- Configured Slurm workload manager to schedule and monitor jobs efficiently.
- Ensured system security and compliance with medical data privacy regulations.
- Integrated NVIDIA Modulus for deep learning workflows in medical research.
- Installed and configured Python environment modules.
- Provided technical support and training to researchers and staff.
- Achieved a 30% reduction in computational job completion time through system optimizations.

Innovative Numerics LLC, OH, USA
<https://www.innovativenumerics.com/>
Senior HPC System Administrator

November 2020 to September 2021

- Developed and maintained HPC environments using Singularity for containerized applications.
- Integrated NVIDIA Modulus for deep learning workflows.
- Configured SLURM Singularity to use NVIDIA GPUs for OpenRadios jobs.
- Automated deployment and management processes using Ansible and Shell scripting.
- Collaborated with cross-functional teams to support research initiatives and enhance computational capabilities.

Oscillate Technologies LLC, Oakland CA, USA
Remote Job (UpWork)

June 2021 to March 2022

Ansible/ Linux Systems Engineer

- Migrate CentOS 7 to Debian and deploy it.
- Coordinate projects with team members on GitHub and Slack
- Build servers with Vagrant for testing before deploying to bare metal servers
- Create core ansible role for user accounts and LDAP.
- Create ansible roles to build and set up OpenLDAP provider servers, LDAP Client servers, and LDAP replica servers all secured through SSL certs.
- Create a backup role.
- Create a network role for configuring nameservers and NTP.
- Create a firewall role for configuring Shorewall.
- Create an SMTP role for configuring email.
- A role for managing autofs mount points for LDAP users.
- Role to add Debian net-tools equivalent.
- I deployed a LAMP server on a CentOS 8 ec2 instance on AWS.
- Opened the necessary ports in the outbound rules.
- Built an Ubuntu 18 VPS on <https://my.contabo.com>.
- Installed and configured Canvas LMS on the VPS.
- Secured the website with Let's Encrypt SSL certificates.
- Put up the firewall.
- Set up SMTP on the VPS to communicate with the SMTP server.
- Setup Postgres, Redis, and Apache.

OLUWA-SHEYI CONSULTING LLC · Contract

Sep 2018 to JAN 2020

Spec UNIX Systems Administrator

- Automated installation using Kickstart to build several RHEL 7 & 8 servers
- Automated System installation and configuration of LAMP servers using Ansible.
- Troubleshoot issues related to hardware, software, and networking in the UNIX unclassified area.
- Performed user accounts administration.
- Managed Password aging configuration on servers.
- Develop and document procedures for system configuration, deployment, and patching.
- Configure secure virtual hosts for multiple websites using SSL/TLS

- Meet with customers to design custom scalable solutions in a supportable environment.
- Mount Container images for users.
- Collaborate with Datacenter Operations, Storage, and Engineering Apps.
- Monitor submitted tickets; assign and communicate, as required.
- Performed log administration to detect and resolve system errors.
- Archive, compress, unpack, and uncompress files using gzip, star, tar, bzip.
- Participate in rotating on-call support duties.
- Automation skills utilizing scripting language bash shell (Unix Shell Scripting).
- Worked on performance tuning systems.
- Capable of prioritizing and managing high-volume workloads from multiple sources.
- Configure key-based authentication for SSH
- Setup, configure, and troubleshoot TCP/IP, DHCP, DNS; NFS, CIFS, and Samba servers in a multiplatform LAN.

MTN Cameroon

Aug 2016 to July 2018

Linux System Administrator

- Linux (RHEL, CentOS) administration and application management.
- Assigned IP addresses to new stations in the building
- Install and Configure Apache HTTPD
- Built, Installed, and configured virtual and physical servers, tested and deployed RHEL 6&7, CentOS 6&7.
- Set up Simple Mail Transfer Protocol servers using Postfix on both client and host.
- Perform regular system backup & recovery.
- Install and update software packages from RedHat Network, configure a remote repository, or for the local file system.
- Task automation of infrastructure and application provisioning using bash scripting.
- Developing and implementing Access Control Lists with the appropriate documentation to support a least privileged approach to access security.
- Managed operations, and monitoring of applications and infrastructure using Icinga.
- Participated in root-cause analysis of recurring issues, system backup, and security setup, and provided 24X7 support in Testing; Development and Production environments.

- Connected Linux systems to Single SignOn LDAP/AD Server.
- Performed file system management using LVM, NAS, and SAN tools.
- Ensured all environments met scale and resiliency requirements.
- Supported customer-facing and internal applications.
- Troubleshoot Solaris 10, Red Hat Enterprise Linux6&7, and CentOS6&7 issues in hardware and software-related, and configuration issues.