Patrik Martinsson

Linux System Administrator

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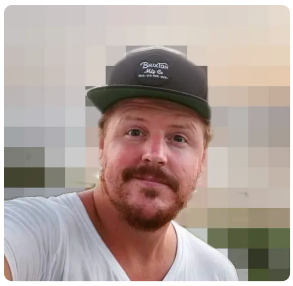
Linkedin Github Stackoverflow Redhat Certified Engineer



My name is Patrik Martinsson and I'm a Linux System Administrator from Stockholm, Sweden. I'm a Linux-enthusiast, active in the community with various bug reports, patches, discussions, etc. I'm always eager to learn new things and can adapt very quickly to various kinds of situations. I'm running my own company called RedLin, specializing on Red Hat products.

SKILLS

Linux

Master

red hat | bash | gnu tools | rpm packaging | docker | podman | kerberos | nginx | apache

DevOps CI / CD

Advanced

jenkins | gitlab ci | bitbucket | pipelines | maven | nexus | buildconfigs | deploymentconfigs

Cloud

Advanced

openshift | openstack | ceph | red hat director | terraform

Automation

Master

ansible | puppet | foreman | ansible tower | anaconda | kickstart | pxe

API / Integration

Master

vmware vsphere | openstack | jira | servicenow | infoblox | cisco ucs | op5 monitor | ldap | active directory | sso

Programming

Advanced

perl | python | php | go | c / c++ | javascript | regular expressions

WORK EXPERIENCE

Linux System Administrator and Founder | RedLin PM AB **May 2020 - Current**

https://www.redlin.se

red hat | consulting | linux system administrator | automation | standardize | development

RedLin is created and owned by Patrik Martinsson who has been in love with Red Hat for over a decade. We help our customers to automate, standardize and develop their infrastructure with the help of Linux and Red Hat products. At RedLin we can take on roles such as,

- Site Reliability Engineer
- Linux System Adminstrator
- DevOps Engineer

At RedLin we are used to tools such as Ansible and Puppet for automation and consistency. We also recognize the importance of having continuous deployment pipelines in place, not only for things like products and container images, but also for other parts of the infrastructure. Together with you, we want to build an fully automated, daily patched, high availability infrastructure.

We simply provide expertise and tailored solutions primarily built on Linux and Red Hat products.

Linux System Administrator | TriOptima
https://www.trioptima.com

April 2016 - November 2019

openstack ceph red hat director ansible cloud terraform kerberos

My main responsibilities at TriOptima has been the installation, configuration and design of their Openstack and Ceph platform. The setup spans over three data centers and is based on Red Hat Openstack Platform 13 and Red Hat Ceph Storage 3. The design includes everything from different availability zones, storage pools (both local and stretched between multiple data centers), and involves roughly 50 nodes. The deployment of OpenStack is done through the Red Hat Director, while Ceph is being deployed using the Ceph Ansible Playbook. We have chosen this configuration to get an environment that scales and fulfills our internal customers requirements.

During the implementation I've encountered quite a few bugs in various components (neutron, octavia, heat-templates, networkmanager) which have actively been reported upstream (also monkey patched a few things locally to work around numerous deployment issues).

On top of that I've also built our own internal portal where the users can create, delete and manage access to their projects. Authentication to the portal, and to the cloud, is done via Kerberos (Active Directory) and supports Single Sign On.

Linux System Administrator | SMHI
https://www.smhi.se

May 2008 - January 2016

puppet foreman cisco ucs itrs op5 monitor automation vmware infoblox nfs

My 'day-to-day'-tasks consisted of managing ~ 1000 Red Hat Enterprise Servers and ~ 150 Red Hat Enterprise Clients. Usually it involves making sure everything is up running and that the setups are consistent. This is essentially done by Puppet, Ansible and various automation-scripts (preferable in bash, perl or python). I've done a lot of scripting to various parts of our infrastructure, this includes Cisco UCS, VMware, Infoblox, HP iLO, Foreman, Puppet, ITRS OP5 Monitor, Cacti, Various CA technologies products, etc. As previously mentioned, my job often consisted of setting up, configuring, re-configuring, purging servers, so scripting is quite essential. I've been a key-player in SMHI's attempt to standardize their Linux Platforms (both for Servers and Clients). The goal was to make sure that every Linux Server and Client would be centrally managed and properly configured to SMHI's infrastructure and policies, that includes,

- Authentication (Active Directory, Kerberos, Smart Card, PKCS11, Cisco Anyconnect)
- File shares (NFSv3, NFSv4 + Kerberos, automount)
- Wireless 802.1x (Certificate enrolment through SCEP)
- Fully automated installations and configurations for both Servers and Clients (available for customers through self-service-portals)

VOLUNTEER

Linux System Administrator | SIDA

October 2013 - November 2013

request tracker mediawiki virtualization

On behalf of the SIDA-organisation I've been visiting the "Department of Meteorological Services" in Botswana two times. My workthere has mostly consisted of deploying Linux Servers and setting up a "Request Tracker" - system and a wiki. The Biggest challenges with these missions has been the lack of infrastructure, internet access and the fact that everything has to be done while being there, no remote work has been possible.

EDUCATION

Separate Courses | Umeå University, Linné University

2009 - 2010

- Linux as a developing platform c gcc make shell
- Structured Programming with C++ object oriented c++ classes boost

Linux System administration | Jensen Education

2007 - 2009

- Database Administration sql relational database theory database modelling normalization troubleshooting
- Network and computer communicationn inetd xinetd postfix bind apache nfs ldap
- The Operating System Linux gnu tools file system file permissions pipes regular expressions
- Programming in Linux compiling shell scripting perl python bash monitoring
- System Administration Linux user management logging backup kernel modules virtualization storage solution
- Web server administration virtual hosts server side includes cgi-scripts ssl logging