Rob den Braber

Function	Linux DevOps Engineer
Date of birth	1 February 1971
Residence	Hoofddorp
Nationality	Dutch
Phone number	+31 6 52 67 96 03
Email	rdbraber@linora-solutions.nl
Languages	Dutch, English and German
Experience since	1999
Interests	Linux, Virtualization, Docker, Puppet, Ansible, DevOps, Configuration Management, Continuous Integration
Hobbies	Running, snowboarding, computer
Personal characteristics	Custom driven, willing to learn, social, autodidact

Abstract

Recent activities:

As a Linux DevOps Engineer at Avisi, I've build an AWS stack with the help of Hashicorps Terraform and Ansible. The stack used a Postgresql RDS database, multiple VMs, a loadbalancer all running in a Virtual Private Cloud.

As a Linux DevOps Engineer at ING, I've been involved with the setup of a complete Oracle Exa stack, with the Exadata, Exalogic, Exalytics, Oracle VM and ZFS storage appliances. Main focus was the setup of different Linux systems with the same setup. I was asked to write a script to accomplish this, but choose to use a configuration management tool for this. After comparing different options Ansible was the one that was chosen, because it was easy to learn and not hard to setup. Currently the configuration of all the Linux physical systems and Linux virtual systems is done with Ansible. Also the complete Disaster Recovery scenario is scripted in Ansible.

Other activities are:

- Deciding which architecture to use for the Oracle stack
- Completely automate the installation and configuration of Oracle Enterprise Linux (Red Hat compatible)
- Handling of Incidents and Changes Linux
- Maintenance off the complete Oracle stack, which containes servers, network switches & storage appliances
- Automation of the complete installation and configuration of new virtual servers on Exalogic
- Scrum master of the Exa squad

Recent given courses and workshops:

For Vijfhart I have created a 2-day Oracle VM course.

I've created two workshops for my colleagues at the ING:

- Ansible basics
- Docker (https://github.com/rdbraber/docker-workshop)

Recent certification:

- Red Hat Certified Engineer RHEL7
- Red Hat Certificate of Expertise in Ansible Automation
- AWS Certified Solutions Architect - Associate
- Docker Certified Associate
- AWS Certified Developer - Associate

Planned certification:

- AWS Certified Developer – Associate (self-education)

Recently visited conferences and meetups:

- Red Hat Forum
- AnsibleFest London 2017
- Config Management Camp 2017 Gent
- Docker meetups
- Ansible meetups
- DevOps meetups
- Ceph & Openstack meetup

Recently gained knowledge (self-education):

- Docker
- Vagrant
- Git
- GitLab
- Amazon Web Services (AWS)
- Terraform

Education

1992	MTS Elektrotechniek
1987	MAVO

Business courses/Workshops

2018	Self-education	AWS Certified Developer - Associate
2018	Self-education	Docker Certified Associate
2017	Self-education	AWS Certified Solutions Architect - Associate
2017	Self-education	Red Hat Certificate of Expertise in Ansible Automation
2016	Self-education	Red Hat Certified Engineer RHEL7 certification
2014	Puppetlabs	Puppet Fundamentals
2014	Global Knowledge	Red Hat Certified Engineer RHEL6 certification
2011	Self-education	Oracle VM Essentials Including certification Oracle VM 2 for x86 Certified Implementation Specialist
2010	Transfer Solutions Education	Oracle Weblogic Server 11g
2008	Oracle University	Oracle Database 10g: RAC for Administrators Release 2 (Database) including certification Oracle Database 10g: Real Application Cluster Administrator Certified Expert
2008	Self-education	Oracle Database 10g: Managing Oracle on Linux for DBAs including certification Managing Oracle on Linux Certified Expert
2007	Self-education	OCA Application Server 10g Administrator including certification Oracle Certified Associate
2005 - 2006	Oracle University	Oracle Database 10g: Administration Workshop II including certification Oracle Certified Professional
		Oracle Database 10g: Administration Workshop I including certification Oracle Certified Associate
2004	Self-education	Red Hat Certified Engineer RHEL3 certification
2002	Global Knowledge	Tru64 Unix V5.x System Administration including exam Tru64

		Unix V5.0 Administration, Support & Integration
2001	Quint Wellington Redwood Academy	ITIL Essentials with exam
1999	Sybase	Fast Track to Adaptive Server Enterprise 11.5
1999 - 2000	Global Knowledge	OpenVMS System Performance Management OpenVMS Management I en II OpenVMS Advanced Management III OpenVMS Cluster Management DCL programming TCP/IP UCX DECnet Polycenter products
1999	Vos & Partners	Professionele vaardigheden
1999	VX8000	ITIL essentials
1998	Teyler College	Praktijkdiploma Informatica (PDI1)
1997	Dirksen Opleidingen	Eerstelijns PC-technicus

Summary product knowledge and experience

Hardware	VAX, Alpha Itanium	Intel Oracle Exadata, Exalogic, Exalytics
Operating Systems	Linux OSX HP-UX AIX	Microsoft Operating Systems Tru64 Unix
Virtualization	Oracle VM 2 en 3 Oracle VirtualBox VMWare Workstation, Player en Fusion	
Languages	Bash	DCL, SQL
Databases	Oracle RDBMS 8i, 9i, 10g, 11gR2 & 12c MySQL	Oracle Rdb
Tools	Oracle Enterprise Manager 10,11 & 12c	

	MS Office
	Ansible, Puppet
Methods	ITIL, Kanban, Agile, Scrum

February 2010 – present

Position	Teacher
Company	Vijfhart, Nieuwegein
Hardware	X86
Operating System	Oracle VM 2, Oracle VM 3 & Oracle Enterprise Linux 6
Activities	• Teach my created Oracle VM course.

January 2018 – Februari 2018

Position	Linux DevOps engineer
Company	Avisi, Amsterdam
Hardware	AWS (Amazon Web Services)
Operating System	Ubuntu 16.04
Software	Ansible, Terraform, Bitbucket
Activities	• Building a test environment on AWS with Terraform and Ansible to run the Atlassian Jira and Confluence applications.

March 2015 – December 2017 (03-2015 till 12-2016 via Grid-IT, 2017 ING employee)

Position	DevOps engineer
Company	ING, Amsterdam
Hardware	Exadata, Exalogic, Exalytics, SUN X4-2 & SUN ZFS appliance
Operating System	Oracle Linux 5, Oracle Linux 6 (Red Hat compatible)
Software	Ansible, Oracle RDBMS, Enterprise Manager 12, Oracle VM 3
Activities	• Design and installation of virtual machines with Oracle Linux for the installation of Oracle software.
	• Design and installation of Oracle VM 3.
	• Create scripts for the automatic deployment of virtual machines on Oracle VM.
	• Design and configuration of Oracle Linux with Ansible.
	• Support for Application Engineers.
	• Scrum master for the Exa squad.

September 2006 – December 2014 (09-2006 till 09-2008 via VXCompany / 09-2008 – 12-2014 via Grid-IT)

Position	Linux System administrator
Company	Rabobank, Zeist
Hardware	IBM, HP, EMC, Exadata
Operating System	Oracle Enterprise Linux 4, Oracle Enterprise Linux 5
Software	Oracle 8.1.7, Oracle 9.2.0.6, Oracle 10g release 2, Oracle 11g release 2, Oracle Enterprise Manager 10, Oracle Enterprise Manager 11, Oracle Enterprise Manager 12, ASM, RMAN, Dataguard, Oracle Application Server 10g release 2, Oracle VM 2, Oracle VM 3

Activities

- Design, maintain and improve of Oracle Linux and Oracle VM infrastructure for the Oracle ECO stack.
- Install systems with Oracle software, like CRS, ASM, Grid Infrastructure, Enterprise Manager and databases.
- Part of a team for daily maintenance.
- Solving incidents and performing changes.
- Team coordinator Oracle Enterprise Linux team. Control some Oracle DBA's for the installation and configuration of Oracle Linux for a pilot.
- Upgrade of systems with Oracle Enterprise Linux 4, CRS 11gR1, ASM 11gR1, RDBMS 10gR2 and Enterprise Manager 10g to Oracle Enterprise Linux 5, Grid Infrastructure 11gR2, RDBMS 11gR2 and Enterprise Manager 11g.
- Define architecture and installation of systems with Oracle VM 2.2.2 and 3.2.8.
- Configuration of Oracle Exadata systems
- Participate in the ECO3 project. ECO3 is the new Oracle infrastructure, build on top of Oracle products: Oracle VM 3, Oracle Enterprise Linux 5, Oracle RDBMS 11.2, Oracle Weblogic 11 with as key component Oracle Enterprise Manager 12c. During sprints of 3 weeks new functionality was delivered.

November 2010 – December 2011 (via Grid-IT)

Position	Oracle DBA
Company	College voor Zorverzekeringen (CVZ)
Hardware	Netapp, Fujitsu
Operating System	Oracle Enterprise Linux 5
Software	Oracle 11g release 1, Oracle Enterprise Manager 10, RMAN, Dataguard, Oracle Application Server 10g release 2, Oracle Weblogic

Server 11g release 1, Oracle Health Insurance (OHI)

Activities	• Installation and configuration of systems with Oracle software
	• Part of a team for daily maintenance.
	• Solving incidents and performing changes.
	• Performing upgrades of the Oracle Health Insurance application.

September 2006 – November 2008 (via VX Company)

Position	Oracle DBA
Company	VX Company, Baarn
Hardware	Vmware
Operating System	Oracle Unbreakable Linux
Software	Oracle 10g release 2, Oracle Enterprise Manager 10, ASM, RMAN, Dataguard
Activities	• Creating and giving workshops with the following topics
	- Oracle RAC
	- Oracle ASM
	- Oracle Dataguard
	- Oracle Enterprise Manager
	- Oracle VM
	- Vagrant
	- Git
	- Ansible

June 2006 - May 2007 (via VX Company)

Position	Oracle DBA
Company	Fuji Fotofilm, Tilburg
Hardware	Alpha server, Intel
Operating System	Tru64, HP-UX, Windows 2003
Software	Oracle 8.1.7, Oracle 9.2.0.7, Oracle Enterprise Manager 9, MySQL 3, MySQL 4, MySQL 5
Activities	• Take over the responsibilities of the leaving Oracle DBA.
	• Creating procedures for remote management of all Oracle and MySQL databases
	• Defining new standards for the databases
	• Solving incidents and implementing changes.
	• Consolidation of all the MySQL databases to one server.

May 2006 - August 2006 (via VX Company)

Position	Oracle DBA
Company	Cordares IT, Amsterdam (formally known as SFB)
Hardware	Intel, Itanium
Operating System	Red Hat Linux 2.1/3.0, HP-UX 11.23, Windows 2000/2003
Software	Oracle 8.1.7, Oracle 9.2.0.7, Oracle 10g, OEM
Activities	• Participate in a team with Oracle DBAs
	• Reading of site-specific documentation and the Oracle documentation.
	• Creating tables, with the help of the specifications given by the application developers.
	• Creating databases, according to the Cordaris standards, with the help of Oracle Enterprise Manager.

January 2006 - August 2006 (via VX Company)

Position	Oracle DBA
Company	VX Company
Hardware	PC, VMware
Operating System	Windows 2000/2003
Software	Oracle 8.1.7, Oracle 9i en Oracle AS 10g
Activities	• Support the second line/Service desk of VX Company, regarding the Oracle databases in the VX Factory
	• Installation of Oracle databases, according to the VX Company standards in VMWare.
	• Migration of Oracle databases.

May 2006 - June 2006 (via VX Company)

Position	Technical Application Manager, Oracle DBA
Company	DA Retailgroep, Leusden
Hardware	IBM

Operating System	AIX version 5
Software	Oracle 9.2.0.3
	Oracle 10gr2
Activities	Because of the internal Oracle DBAs holiday, assisting the DA Retailgroep for 2 days a week.

- Solving incidents and implementing changes.

November 2004 - August 2006 (via VX Company)

Position	System manager
Company	VX Company (Managed Services)
Hardware	Alpha servers and VAX
Operating System	Multiple versions of OpenVMS
Software	ABS, MDMS, Heat Powerdesk, Clientele, Charon VAX, custom made applications
Activities	

- Remote management of OpenVMS systems for multiple clients (SENS, Flora Holland, De Nederlandse Bank, KPMG, Exel)
- Installation of a standby system for De Nederlandse Bank between the sites in Apeldoorn and Amsterdam
- Writing scenarios for a OpenVMS upgrade and a SAN migration at Cordares (former SFB)
- Writing a risk analysis concerning hardware for the Nerefco (Netherlands Refining Company b.v.)
- Optimizing an Oracle Rdb backup of the Nederlandse Bakkerij Centrum.

September 2002 – October 2004 (via VX Company)

Position	System manager
Company	SFB ICT-diensten, Amsterdam
Hardware	MicroVAX 3100, VAXstation 4000, Alphaserver DS10, DS20, DS25, ES40, ES45, ES47, GS160, RX2600 (Itanium)
Operating System	OpenVMS 6.1, 7.1-1h1, 7.1-2, 7.2.1h1, 7.3, 7.3.1, 8,0
	Tru64 Unix 4.0, 5.0, 5.1
Software	Oracle 7.3.4. Custom-made applications (ACMS, SNS Watchdog, Compaq Cockpit Manager, SLS
Activities	Operational management in the first line

- Solving incidents and implementing changes.

- Back-up Tape Management

<u>Operational management in the second and third line</u>

- Support the first line/service desk
- Creating OpenVMS documentation
- Installation of 5 Tru64 Unix systems for a Peoplesoft application
- Uitfasering van een aantal VAX systemen
- Implementation of CPRS (Compaq Proactive Remote Support)Uitfasering van een aantal VAX systemen
- Implementatie CPRS (Compaq Proactive Remote Support)

June 2001 – August 2002 (via VX Company)

Position	System manager
Company	OPG Groothandel B.V.
Hardware	Alpha server 1000,2100,4100, ES40, DS20, VAX 3100,4000, HSG80 disk controllers, Fibre Channel Switches
Operating System	OpenVMS 7.1-1h1, 7.1-2, 7.2.1
Software	Anderson Consulting DCS, Oracle 7.3.4, 8.1.7,RDB, CODA Financials, custom made application, Redwood JCS, Cronacle, Compaq Cockpit Manager
Activities	Operational management in the first line

- Monitoring of systems with Compaq Cockpit Manager
- Solving incidents and implementing changes.
- Back-up Tape Managment
- Batch control with Cronacle

Operational management in the second and third line

- Support the first line/service desk
- Participating in the Euro conversion project
- Creating OpenVMS documentation
- Creating system performance reports
- Running standby shifts

August 1999 – May 2001 (via VX Company)

Position	System manager
Company	ABN AMRO bank
Hardware	Alpha server 4100 GS160, HSG80 disk controllers, Fibre Channel Switches
Operating System	OpenVMS 7.1-1h1, 7.1-2, 7.2.1
Software	OMR Trading Assistant (application for the dealing room)
Activities	

- Operational management first line
- Operational management second and third line
- Support for First line/Service desk
- Participation in projects for:
  - Millennium project
  - Building a new disaster tolerant OpenVMS cluster
- Running standby shifts

May - August 1999

Position	Trainee System- & Network manager
Company	VX8000 B.V.
Hardware	MicroVAX
Operating System	OpenVMS
Activities	

- Following courses to become an OpenVMS system manager