

Curriculum Vitae

Name: Raimo Koski
Date of birth: 14. 10. 1961
Nationality: Finnish

Education

25.9.1990 – 28.6.1991

School: RAKK

Main subject: IT System designer

4.3.1989 – 17.10.1989

School: PAKK

Main subject: Data and automation course for engineers

16.5.1988 – 5.9.1988

School: FAKK

Main subject: Business course for engineers

1.8.1982 – 30.4.1985

School: Turku Polytechnic. Institute

Main subject: Technician, machine construction

Work experience

Lineox, Inc.	Entrepreneur	16.9.2013 - present
IP Networks Oy	Senior Systems Specialist	14.1.2008 – 31.8.2011
Lineox, Inc.	Entrepreneur, Assembling Lineox Linux	2003 - 2007
Efectum Oy	Researcher	17.03.2003- 18.04.2003
Probatus Oy	Researcher, Assembling Spectra Linux	05.12.2001 - 28.02.2003
SOT Oy	Assembling SOT/Best Linux	1998 - 1999
Freelancer	Journalist, book author	1994 - present

Hobby projects

More HPE ProLiant DL380p Gen8 Upgrade Docs	<u>Moving RHEL 9 to NVMe SSD on HP ProLiant DL380p G8 server with help from AI</u>
Upgrading HPE ProLiant DL380p Gen8 hardware	Documentation in Finish <u>https://raimokoski.fi/2021/11/03/hp-proliant-dl380p-gen8-palvelinkone/</u>
Evaluation of ZFS and block based deduplication. Started: Winter 2011 - 2012 To 11 x 4TB raidz2 array file server. Implementation Time: Spring 2016	"The ultimate file server" Related documentation: <u>http://raimokoski.com/ZFS.php</u> <u>Backupkone</u> <u>Paranoidin backup-resepti, versio 2</u> <u>Inside HP Proliant ML350 G5</u> OS's used : OpenSolaris, OpenIndiana, Linux with ZOL
Upgrading old servers Time: Spring 2019	Related documentation: <u>Nopeita prosessoreja ja vikasietoista keskusmuistia halvalla</u>
Domain and OS migration Time: Spring 2020	Migration of domains <u>raimokoski.com/fi</u> and <u>lineox.net/fi</u> from a dedicated server in France running CentOS 7 to a home server running CentOS 8. The "new" server has two quad core Xeon E5440 @2.83 MHz CPU's and 32 GB of ECC RAM. Internet connection speed is 100/50 Mbps. Raimokoski.fi uses WordPress and moodle.raimokoski.fi Moodle.

Project/Service Experience

<i>IPN repositories</i> <i>Customer: IP Networks</i> <i>Time involved: 1/2008 - 8/2011</i>	<i>IP Networks rpm repositories and mirrors</i> <i>Role/responsibilities: Design, implementation, documentation and maintenance</i> <i>Professional Skills: Web site and repository management, scripting for automating the processes, design and documentation skills</i> <i>Main Tools : apache, bash, rsync, in-house developed scripts</i> <i>Business area: infrastructure for internal use.</i>
<i>IPN rpm build system</i> <i>Customer: IP Networks</i> <i>Time involved: 1/2008 - 8/2011</i>	<i>IP Networks rpm build and signing hosts (64 and 32 bit architectures)</i> <i>Role/responsibilities: Design, implementation, documentation, maintenance, acting as buildmaster, package signing.</i> <i>Professional Skills: rpm building, dependency tracking, bash scripting</i> <i>Main Tools : rpmbuild, rpmsign, in-house developed scripts</i> <i>Business area: infrastructure for internal use</i>
<i>Routegear</i> <i>Customer: IP Networks</i> <i>Time involved: 2/2008 - 11/2008</i>	<i>Routegear is an on-site server/appliance for versatile ITC services. Promotional web page: http://www.webinfra.net/services/routegear/</i> <i>Role/responsibilities: Design, implementation and documentation.</i> <i>Professional Skills: Embedded system design.</i> <i>Business area: End user product design.</i>
<i>Netstand</i> <i>Customer: IP Networks</i> <i>Time involved: 8/2010 - 8/2011</i>	<i>Multi seat restricted UI public use web terminal. Promotional web page: http://www.webinfra.net/services/netstand/</i> <i>Role/responsibilities: Design, implementation and documentation.</i> <i>Professional Skills: Embedded, secure, and UI system design</i> <i>Business area: End user product design.</i>

<i>Unix admin stand-in</i> <i>Customer: Nokia</i> <i>Time involved: 10/2008 – 12/2009</i>	<i>Total of about 2 months acting as unix (Solaris) admin as a stand-in during vacations and sick leaves.</i> <i>Role/responsibilities: Unix admin.</i> <i>Professional Skills: Unix admin.</i> <i>Main Tools : ssh, shell</i> <i>Business area: Customer service</i>
<i>Configuration owner stand-in</i> <i>Customer: Nokia</i> <i>Time involved: 1/2010 – 7/2010</i>	<i>Total of about 6 months acting as configuration owner stand-in within IPN service delivery group.</i> <i>Role/responsibilities: Configuration owner</i> <i>Business area: Customer service</i>
<i>Liff</i> <i>Customer: Lineox</i> <i>Time involved: 10/2003 – 11/2003</i>	<i>Indexed Linux Document Collection and Server CD.</i> <i>Role/responsibilities: Everything.</i> <i>Business area: End user product design.</i>
<i>Lineox Enterprise Linux 3.0</i> <i>Customer: Lineox</i> <i>Time involved: 1/2004 – 4/2009</i>	<i>Lineox Enterprise Linux 3.0 was built from modified Red Hat Enterprise Linux 3.0 sources. Lineox web site (http://lineox.net/) is still up, but most of the content is erased or hidden.</i> <i>Role/responsibilities: Everything</i> <i>Professional Skills: Linux distribution design, patching, building, testing, marketing, and distribution.</i> <i>Business area: End user product design.</i>
<i>Lineox Enterprise Linux 3.0 Installation Manual</i> <i>Customer: Lineox</i> <i>Time involved: 12/2003 – 1/2004</i>	<i>Lineox Enterprise Linux 3.0 Installation Manual covers installation and specific features of Lineox Enterprise Linux 3.0. It has 113 pages.</i> <i>Role/responsibilities: Everything</i> <i>Main Tools : LaTeX</i> <i>Business area: End user product documentation.</i>

<i>Lineox rpm package repositories</i> <i>Customer: Lineox</i> <i>Time involved: 1/2004 – 4/2009</i>	<i>Apt-get and yum repositories for Lineox base OS and updates. Expanded over the time to provide repositories for all published Lineox versions.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : Apache, createrepo, custom bash scripts</i> <i>Business area: End user product delivery.</i>
<i>Lineox download site mirroring</i> <i>Customer: Lineox</i> <i>Time involved: 1/2004 – 9/2009</i>	<i>Rsync server setup, hidden directories, and automatic linking to public directories after a delay of Lineox distribution files.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : rsync, custom bash scripts</i> <i>Business area: End user product delivery.</i>
<i>Lineox Web Store</i> <i>Customer: Lineox</i> <i>Time involved: 1/2004 – 9/2009</i>	<i>Web pages and automated system for selling downloadable Lineox products on-line with PayPal as a payment method.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : Apache, php, sendmail, custom bash scripts</i> <i>Business area: End user product sales automation.</i>
<i>Lineox mailing lists</i> <i>Customer: Lineox</i> <i>Time involved: 1/2004 – 9/2009</i>	<i>Installation, configuration, mailing list creation, and configuration of several mailman mailing lists.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : mailman</i> <i>Business area: End user product support.</i>
<i>Always Current Lineox Enterprise Linux 3.001</i> <i>Customer: Lineox</i> <i>Time involved: 2/2004 – 9/2009</i>	<i>The first version of Lineox Enterprise Linux 3.0 in the Always Current series with a new version every time a bug or security fix program package was released. Automation of CD and DVD image creation.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : bash, mkisofs</i> <i>Business area: End user product design.</i>

<i>Always Current Lineox Enterprise Linux 3.032 for 64-bit x86_64 Architecture.</i> <i>Customer: Lineox</i> <i>Time involved: 9/2004 – 9/2009</i>	<i>64 bit architecture spin.</i> <i>Business area: End user product design.</i>
<i>Lineox build cluster</i> <i>Customer:Lineox</i> <i>Time involved: 10/2004 – 11/2004</i>	<i>Clusterization of Lineox Enterprise Linux build system with custom scripts.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : bash, ssh</i> <i>Business area: Infrastructure.</i>
<i>Lineox Enterprise Linux 4.0 (LEL) Beta</i> <i>Customer: Lineox</i> <i>Time involved: 10/2004 – 1/2005</i>	<i>Making the modification process of RHEL sources script based and separation of modification data from program logic thus enabling the creation of multiple customized versions.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : bash, awk</i> <i>Public documentation of the project: http://lineox.net/Distro-definition-dir.txt</i> <i>Business area: Infrastructure.</i>
<i>Virtualization of Lineox Enterprise Linux build clusters.</i> <i>Customer: Lineox</i> <i>Time involved: 10/2004 – 1/2005</i>	<i>Made it possible to use the same physical machines multiple times as a part of several virtual clusters.</i> <i>Role/responsibilities: Everything.</i> <i>Main Tools : vmware, bash</i> <i>Business area: Infrastructure.</i>

Technical skills

Operating Systems	Years	Months	Evaluation
Linux	31		excellent
Solaris 9, Open Solaris svn134, OpenIndiana	3		good

Server software			
Apache	19		good
sendmail	19		excellent
rsync	15		Excellent
WordPress	4		good
Moodle	2		
Scripting			
bash	31		excellent
awk	32		excellent

Language competence

Finnish: native

English: C2

Swedish: C1

Norwegian, Danish, mostly based on Swedish skills: I can read Bokmål quite well, Nynorsk and Danish are more difficult as well as all of them spoken.

German: B2

Spanish: B2

Portuguese: A2

French: B1

Italian: A1

Latin: A1

Publications

Highlights

Several articles in MikroPC magazine from 1994 to 1999 covering PC hardware, OS/2 and Linux operating systems and applications, programming, and general topics.

First book published in 1994, publisher Suomen ATK-kustannus.

First ever Linux book in Finnish published in 1995.

First ever Finnish Linux distribution, SOT-Linux 5.1, published in 1998.

First ever Swedish Linux distribution, Best Linux 5.3, published in 1999, original manual in Finnish, assembly of installation disks, head of the translation team.

First ever Finnish Linux magazine, Linux-käyttäjä, published in 2000.

First English Linux distribution, Spectra Linux 1.1, published in 2002, original manual in Finnish, translation to English, assembly of installation disks.

Summary

More than half shelf meters of published books.

Publishers: Suomen ATK-kustannus, IT Press, SOT, Readme.fi

Linux distributions: SOT-Linux 5.1, 5.2, 5.3, IT Linux 2000, 2001, 2002, Spectra Linux 1.1, 1.2, Lineox Enterprise Linux 2.1, 3.0, 4.0.

Promotional web site for books: [www.raimokoski.com](http://raimokoski.com), table of contents of the latest book: http://raimokoski.com/Linux2010/Linux_Tehokas_hallinta-sis.pdf, and an example chapter: http://raimokoski.com/Linux2010/Johdatus_sulautettuun_Linuxiin.pdf