



# Curriculum Vitae

## Patrik Bodin

### Personal information

Erik **Patrik** Pal Brinch **Bodin**

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### Short description

My greatest strength is my **broad technical knowledge**. I've been dealing with **computers** and related technologies for more than **20 years**. I have expert knowledge within networking (speciality **Cisco**), directories (speciality **Active Directory**) and UNIX (speciality **BSD**). I'm good at **writing** in **Swedish** as well as in **English**. I've held lectures and **seminars**, and I've worked as a **teacher**. I've got a **drivers license** and a car, and I don't mind **travelling**.

#### References:

**Tobias Öien** – President, Knowledge Factory Consulting AB  
**Joakim Engwall** – President, Consign Sverige AB  
**Ulf Engerby** – President, Qbranch AB  
**Wiktor Södersten** – President, Defaultcity AB  
**Ragnar Lönn** – Founder of Algonet  
**Fredrik Bernsel** – Chief editor, Nätverk & Kommunikation

### Languages

Language	Hearing	Speaking	Reading	Writing
<b>Swedish</b>	Perfectly	Perfectly	Perfectly	Perfectly
<b>Danish</b>	Perfectly	Good	Perfectly	Very good
<b>Norwegian</b>	Good	Okay	Very good	Okay

Language	Hearing	Speaking	Reading	Writing
<b>English</b>	Perfectly	Very good	Perfectly	Very good
<b>German</b>	No	No	Possible	Possible
<b>Dutch</b>	No	No	Possible	No

### Cronology

<b>1979-1986</b>	Cumpulsory school
<b>1983</b>	BASIC course
<b>1987-1988</b>	Higher secondary school, economical program
<b>1988-1989</b>	Higher secondary school, humanitarian program
<b>1989-1993</b>	Lithells AB
<b>1991-1993</b>	Military Service – 18 months on submarines
<b>1994</b>	SCB
<b>1995-1996</b>	Bodins Cykelbud

<b>1996</b>	Course in electronics and digital techniques
<b>1997-2007</b>	Qbranch AB
<b>1999-2002</b>	IDG
<b>2001-</b>	PAL Communications
<b>2001-2004</b>	Defaultcity AB
<b>2004-</b>	Stockholm Open
<b>2007-2009</b>	Consign Sverige AB
<b>2009-</b>	Knowledge Factory Consulting AB

<b>Work experiences</b>	
<p><b>Knowledge Factory Consulting AB</b> (present employment)</p> <p>Knowledge Factory is is mainly expert services within <b>IT infrastructure</b> with basis on <b>Windows</b> platforms and <b>Active Directory</b> regarding security, messaging, virtualization, consolidation and data base management.</p> <p>I am working as a senior <b>consultant</b> concentrated on heavy assignments within the areas <b>networking</b> (TCP/IP), <b>security</b>, <b>directories</b> and other areas requiring <b>wide</b> knowledge about several platforms. I am also working with <b>pre-sale</b>, presentations, lectures, <b>seminars</b> and education.</p> <p>I've been working for Knowledge Factory since <b>2009-05-01</b>.</p>	<p><b>Consign Sverige AB</b></p> <p>Consign is specialized on IT networking having <b>consultants</b> with at least 10 years of <b>experience</b>. Customers come from the <b>telecom</b> and gambling sectors, and from the public authorities and industrial sectors.</p> <p>I was working as a senior <b>consultant</b> concentrated on heavy assignments within the areas <b>networking</b> (TCP/IP), <b>security</b>, <b>directories</b> and other areas requiring <b>wide</b> knowledge about several platforms. I mainly worked within the <b>online gambling</b> and <b>banking</b> sectors, and at ISP's.</p> <p>I worked for Consign between <b>2007-05-01</b> and <b>2009-04-30</b>.</p>
<p><b>Qbranch Consulting AB</b></p> <p>Qbranch is essentially a <b>consulting</b> company, but today it has a considerable turnover within (out)sourcing and managed <b>hosting</b>.</p> <p>I was working as a senior <b>consultant</b> concentrated on heavy assignments within the areas <b>networking</b> (TCP/IP), <b>directories</b>, <b>security</b> and other areas requiring <b>wide</b> knowledge about several platforms. I was also working with <b>pre-sale</b>, presentations, lectures, <b>seminars</b> and education.</p> <p>I worked for Qbranch between <b>1997-10-01</b> and <b>2007-04-30</b>.</p>	<p><b>PAL Communications</b> (present occupation, self-employed)</p> <p>The business of PAL Communications is <b>consulting</b>, <b>journalism</b>, <b>development</b> and <b>educations</b> within the IT area, and <b>translation</b> services to/from Swedish, Danish and English.</p> <p>All activities in PAL Communications are conducted within an <b>agreement</b> between me and <b>Knowledge Factory Consulting AB</b>, regulating things like prioritization and competition.</p> <p>PAL Communications started in <b>2001</b> and is still operational.</p>
<p><b>Defaultcity AB</b> (CTO, chairman of the board and joint owner)</p> <p>Defaultcity was a <b>WISP</b> (Wireless ISP) with business in Stockholm and some other Swedish cities. My ownership was approximately 20%, and my contribution was mainly all technical matters, regarding network operations, server operations, disaster recovery and some development.</p> <p>My main contribution was a concept for <b>network</b> expansion, including connecting geographically separated hotspots through a tunneling system, eliminating the high cost normally associated with network expansion.</p> <p>Defaultcity was started in <b>2001</b> and closed in late <b>2004</b>.</p>	<p><b>IDG – International Data Group,</b></p> <p>IDG is publishing <b>magazines</b> and <b>books</b> about IT all over the world.</p> <p>I wrote standing articles for the Swedish computer magazine "Nätverk &amp; Kommunikation", and sometimes press items and fair articles for the magazine and <b>Computer Sweden</b>.</p> <p>The work was collateral with my main employment at Qbranch Consulting AB between April <b>1999</b> and February 2001, and incorporated into my own company PAL Communications until July <b>2002</b>.</p>
<p><b>SCB – Statistics Sweden</b></p> <p>Statistics Sweden is producing <b>statistic</b> material regarding various areas, among other methods using <b>questionnaires</b>.</p> <p>I conducted computer-aided <b>interviews</b>, and <b>traced</b> correct <b>contact information</b> through all kinds of sources.</p> <p>I was employed at SCB from April <b>1994</b> to February <b>1995</b>.</p>	<p><b>Lithells AB</b></p> <p>Lithells AB are manufacturing meat products, mostly by <b>ground meat</b>.</p> <p>I operated <b>machines</b> manufacturing hamburgers, meat balls, schnitzels and other ground meat products.</p> <p>I was employed by Lithells AB from <b>1989</b> to <b>1993</b>.</p>
<p><b>Bodins Cykelbud HB</b> (joint owner)</p> <p>Bodins Cykelbud delivered packages on <b>bikes</b> in Örebro including surroundings.</p> <p>I shared this company with my brother, both <b>delivering</b> packages and managing the administration and finances.</p> <p>The company existed from February <b>1995</b> to October <b>1996</b>.</p>	<p><b>Stockholm Open</b> (present occupation)</p> <p>Stockholm Open is an international <b>pinball</b> tournament, and one of the six majors in the world.</p> <p>I am the <b>head of operations</b>, and the Swedish representative in the International Flipper Pinball Association.</p> <p>I've been organizing Stockholm Open since <b>2004</b>.</p>

<b>Education</b>	
<p><b>Lower Compulsory School</b> (grade 1-6)</p> <p>Stureskolan in Örebro, Sweden</p> <p>No grades were given at this level in Sweden.</p> <p>It was carried out on full time from <b>1979</b> to <b>1985</b>.</p>	<p><b>Upper Compulsory School</b> (grade 7-9)</p> <p>Engelbrektsskolan in Örebro, Sweden</p> <p>Average final grade was <b>3.7</b> out of maximum 5.</p> <p>It was carried out on full time from <b>1985</b> to <b>1988</b>.</p>
<p>Upper secondary school</p> <p><b>Economics</b></p> <p>Risbergsskolan in Örebro, Sweden</p> <p>Not finished, no grades achieved</p> <p>It was carried out on full time from <b>1988</b> to <b>1989</b>.</p>	<p>Upper secondary school</p> <p><b>Humaniora</b></p> <p>Karolinska Skolan in Örebro, Sweden</p> <p>Not finished, no grades achieved</p> <p>It was carried out on full time from <b>1989</b> to <b>1990</b>.</p>
<p><b>Course in electronics and digital techniques</b></p> <p>Nercia AB in Örebro, Sweden</p> <p>36 weeks course with no grades</p> <p>It was carried out on full time during <b>1996</b>.</p>	<p><b>Higher education aptitude test</b></p> <p>National Agency for Higher Education</p> <p><b>2.0</b> (highest possible score, achieved by about 1.5%)</p> <p>It was carried out in <b>1997</b>.</p>
<p><b>Military Service</b></p> <p>Royal Swedish Navy</p> <p>Submarine radio operator</p> <p>Served on full time from August <b>1991</b> to January <b>1993</b>.</p>	<p><b>Base course in BASIC</b></p> <p>ABF study circle in Örebro</p> <p>No grades available</p> <p>The course was carried out on evenings during <b>1983</b>.</p>

<b>Other education</b>			
<p>Microsoft Operations Framework (<b>MOF</b>) Essentials</p> <p>Implementing Microsoft Metadirectory Services (<b>MMS</b>) 2.2</p> <p><b>Symantec</b> Gateway Security 2.0</p> <p>Symantec <b>ManHunt</b> 3.0: Setup, Application and Maintenance</p> <p><b>Vigilante</b> Securescan NX 2.5</p> <p>Project leadership</p> <p>Project methods – <b>Pejl</b></p> <p>Businessmanship</p> <p>How to start your <b>own company</b></p> <p>Business economy and <b>accounting</b></p>	<p><b>Brainbench Certificates</b></p>	<p><b>Grade</b></p>	<p><b>Higher than</b></p>
	<p>Computer Technical Support</p> <p>Linux Administration</p> <p>Windows 95 Administration</p> <p>Windows 95 Navigation</p> <p>Network Technical Support</p> <p>Written English</p> <p>Computer Fundamentals</p> <p>Computer Industry Knowledge</p>	<p>3.18</p> <p>3.6</p> <p>4.12</p> <p>4.6</p> <p>3.83</p> <p>3.48</p> <p>4.66</p> <p>3.46</p>	<p>90%</p> <p>86%</p> <p>98%</p> <p>98%</p> <p>93%</p> <p>66%</p> <p>93%</p> <p>89%</p>

<b>Vendor titles</b>	
<i>Note: Some titles may have expired</i>	
<p><b>Cisco</b></p> <p><b>CCDA</b> – Cisco Certified Design Associate  <b>CCNA</b> – Cisco Certified Network Associate  <b>CCDP</b> – Cisco Certified Design Professional  <b>CCNP</b> – Cisco Certified Network Professional  Cisco Qualified Specialist</p>	<p><b>Microsoft</b></p> <p><b>MCP</b> – MS Certified Professional (NT4, 2000, 2003)  <b>MCP + I</b> – MS Certified Professional + Internet (NT4)  <b>MCSA</b> – MS Certified Systems Administrator (2000, 2003)  <b>MCSA Sec</b> – MS Certified Systems Admin. – Sec (2000, 2003)  <b>MCSE</b> – MS Certified Systems Engineer (NT4, 2000, 2003)  <b>MCSE + I</b> – MS Certified Systems Engineer + Internet (NT4)  <b>MCSE Sec</b> – MS Certified Systems Engineer – Sec (2000, 2003)  <b>MCT</b> – Microsoft Certified Trainer</p>
<p><b>Checkpoint</b></p> <p><b>CCSA</b> – Checkpoint Certified Security Administrator</p>	<p><b>ICS(2)</b></p> <p><b>CISSP</b> – Certified Information Systems Security Professional</p>
<p><b>Symantec</b></p> <p><b>SCTA</b> – Symantec Certified Technology Architect (Firewall)  <b>SCTA</b> – Symantec Certified Technology Architect (IPS)  <b>SCSP</b> – Symantec Certified Security Practitioner</p>	<p><b>Sun Microsystems</b></p> <p><b>CSA</b> – Certified Systems Administrator  <b>CNA</b> – Certified Network Administrator</p>
<p><b>SAIR Linux/GNU</b></p> <p><b>LCP</b> – Linux Certified Professional  <b>LCA</b> – Linux Certified Administrator</p>	<p><b>IT Infrastructure Library</b></p> <p><b>ITIL</b> Certified</p>
<p><b>Linux Professional Institute</b></p> <p><b>LPI</b> Certified Linux Professional</p>	<p><b>Hewlett-Packard</b></p> <p><b>HCP</b> – HP Certified Professional</p>
<p><b>Computer Associates</b></p> <p><b>CUE</b> – Certified Unicenter Engineer</p>	<p><b>Certified Internet Web Professional</b></p> <p><b>CIW</b> Associate  <b>CIW</b> Professional  <b>CIW</b> Master Administrator  <b>CIW</b> Security Professional  <b>CIW</b> Security Analyst</p>
<p><b>Columbitech</b></p> <p>Columbitech Wireless VPN Specialist</p>	

<b>Certifications</b>	
<i>Note: Some certifications may have expired</i>	
<p><b>Cisco</b></p> <p><b>ICRC</b> – Introduction to Cisco Router Configuration  <b>ACRC</b> – Advanced Cisco Router Configuration  <b>CCNA</b> – Cisco Certified Network Associate  <b>BCRAN</b> – Building Cisco Remote Access Networks  <b>BCMSN</b> – Building Cisco Multilayer Switching Networks  <b>BSCN</b> – Building Scalable Cisco Networks  <b>CID</b> – Cisco Internetwork Design  <b>DCN</b> – Designing Cisco Networks  Cisco Support  Secure <b>PIX</b> Firewall Fundamentals  Secure <b>PIX</b> Firewall Advanced</p>	<p><b>Microsoft</b></p> <p><b>058</b> – Networking Essentials  <b>059</b> – Internetworking with <b>TCP/IP</b> on Windows NT 4.0  <b>064</b> – Implementing &amp; Supporting Windows <b>95</b>  <b>067</b> – Implementing &amp; Supporting Windows <b>NT 4.0 Server</b>  <b>068</b> – Impl. &amp; Supp. Windows <b>NT 4.0 Server in Enterprise</b>  <b>073</b> – Impl. &amp; Supporting Windows <b>NT 4.0 Workstation</b>  <b>077</b> – Implementing &amp; Supporting <b>IIS 3.0</b> and Index Server 1.1  <b>081</b> – Implementing &amp; Supporting <b>Exchange Server 5.5</b>  <b>088</b> – Implementing &amp; Supporting <b>Proxy Server 2.0</b>  <b>098</b> – Implementing &amp; Supporting Windows <b>98</b>  <b>210</b> – Installing, Config. &amp; Adm. Windows <b>2000 Professional</b>  <b>214</b> – Impl. &amp; Admin. <b>Security</b> in a Windows <b>2000</b> Network  <b>215</b> – Installing, Conf. &amp; Administering Windows <b>2000 Server</b>  <b>216</b> – Impl. &amp; Admin. a Windows <b>2000 Network</b> Infrastruct.  <b>217</b> – Impl. &amp; Admin. a Windows <b>2000 Dir Services</b> Infrastr.  <b>218</b> – <b>Managing</b> a Windows <b>2000 Network</b> Environment  <b>220</b> – <b>Designing Security</b> for a Windows <b>2000</b> Network  <b>221</b> – <b>Designing</b> a Windows <b>2000 Network</b> Infrastructure  <b>227</b> – Installing, Conf. &amp; Adm. <b>ISA Server 2000</b> Ent. Edition  <b>270</b> – Installing, Conf. and Adm. Windows <b>XP Professional</b>  <b>282</b> – Netw. Solution for the Small- and Mid-sized <b>Business</b>  <b>290</b> – Managing &amp; Maint. a Windows <b>Server 2003</b> Env.  <b>291</b> – Impl., Man. &amp; Maint. a Windows Srv <b>2003 Netw.</b> Infrastr.  <b>293</b> – <b>Planning</b> &amp; Maint. a Windows Srv <b>2003 Netw.</b> Infrastr.  <b>294</b> – <b>Planning</b>, Impl. &amp; Maint. a Win. Srv <b>2003 AD</b> Infrastr.  <b>298</b> – <b>Designing Sec.</b> for a Windows Server <b>2003</b> Network  <b>299</b> – Impl. &amp; Admin. <b>Sec.</b> in a Windows Server <b>2003</b> Network  <b>642</b> – Conf. Windows Server <b>2008 Network</b> Infrastructure  <b>646</b> – Windows Server <b>2008 Server Administrator</b></p>
<p><b>Checkpoint</b></p> <p><b>CCSA</b> - FW-1/VPN-1 Management I NG</p>	
<p><b>Hewlett-Packard</b></p> <p>Certified Systems Administrator – <b>HP-UX</b></p>	
<p><b>SAIR Linux/GNU</b></p> <p><b>Installation and Configuration</b> – Level I  <b>Networking</b> – Level I  Systems <b>Administration</b> – Level I  <b>Security, Privacy and Ethics</b> – Level I</p>	
<p><b>IT Infrastructure Library</b></p> <p><b>ITIL</b> Foundations Certification</p>	<p><b>ICS(2)</b></p> <p><b>CISSP</b> – Certified Information Systems Security Professional</p>
<p><b>Sun Microsystems</b></p> <p><b>Solaris 8</b> System Administration I  <b>Solaris 8</b> System Administration II  <b>Solaris 8</b> TCP/IP Network Administration</p>	<p><b>Linux Professional Institute</b></p> <p><b>LPI</b> Level 1  <b>LPI</b> Level 2</p>
<p><b>Certified Internet Web Professional</b></p> <p><b>CIW</b> Foundations 5.0  <b>CIW</b> Internetworking Professional  <b>CIW</b> Server Administrator  <b>CIW</b> Security Professional  <b>CIW</b> Security Analyst</p>	<p><b>Symantec</b></p> <p><b>Symantec</b> Firewall and Integrated Security Appl. Solutions  <b>Symantec</b> Intrusion Protection Solutions</p>
<p><b>CompTIA</b></p> <p>A+ <b>Core</b>  A+ Core <b>Hardware</b>  A+ Core <b>DOS/Windows</b>  A+ <b>OS</b> Technologies  A+ <b>Remote Support</b> Technician  A+ <b>Depot</b> Technician  <b>Inet+</b>  <b>Linux+</b>  <b>Network+</b>  <b>Security+</b>  <b>Server+</b></p>	<p><b>Computer Associates</b></p> <p><b>UT 200</b> – Unicenter 2.4 Introduction  <b>UT 210</b> – Unicenter 2.4 Basics  <b>UT 220</b> – Unicenter 2.4 Advanced  <b>UT 245</b> – Unicenter Enterprise Monitoring  <b>UT 250</b> – Unicenter Agent Technology</p>
	<p><b>Columbitech</b></p> <p><b>Columbitech</b> Wireless VPN Specialist</p>
	<p><b>Intel</b></p> <p>Designing Flexible <b>Wireless LAN</b> Solutions</p>

<b>List of major assignments</b>	
<p><b>Logica Sweden 2008-12-15 – present</b></p> <p>Trouble shooting and implementation projects for Logica customers, with customer placed equipment, Logica equipment and equipment at a variety of providers involved. Mostly focused on (physical and virtual) Cisco <b>ASA</b>, Cisco <b>PIX</b>, Checkpoint <b>FW-1</b> and Fortinet <b>Fortigate</b> firewall matters, but also including Cisco routers, Cisco switches, various load balancers and other kind of network equipment using TCP/IP, <b>IPSec</b>, SSL-VPN, EasyVPN, <b>MPLS</b>, BGP among others.</p>	<p><b>Netgiro Systems 2007-11-01 – 2008-09-01</b></p> <p>Administering the networking equipment, including Cisco <b>ASA</b> firewalls, CheckPoint FW-1 firewalls, Alteon AD3 load balancers, Cisco routers and HP Procurve switches. The solution is providing online credit card transactions with connections to customers, banks and credit card companies. Connectivity included TCP/IP, <b>IPSec</b>, X.25 over IP, and ISDN. Also included a <b>major restructuring</b> of the firewall rules sets and data center move projects. <b>PCI requirements</b> applied.</p>
<p><b>Unibet 2008-02-01 – 2008-04-01</b></p> <p>Responsible for site activities in an online gaming environment consisting of Linux &amp; Solaris servers, HP switches, F5 load balancers and Checkpoint firewalls, including establishing a new environment from scratch. Developed a detailed living documentation for the site, to facilitate easier remote management. The assignment was largely located in Montreal.</p>	<p><b>Dataphone 2007-06-01 – 2007-10-31</b></p> <p>Maintaining customer connectivity on layer 2 and 3 in <b>MPLS</b> clouds using routers and switches from <b>Juniper</b>, Allied Telesyn, Cisco, Extreme, Billion and other vendors. Documentation was made in <b>Telemator</b>. Also included configuration of a new Clavister firewall solution.</p>
<p><b>bWin games AB (Ongame) 2005-11-01 – 2007-04-30</b></p> <p>The environment included about 300 servers (HP DL, HP BL C-class and P-class, Dell and Sun) using <b>Linux Redhat AS/ES</b> and some Windows/Solaris. Applications included Apache, Jboss, MySQL, SAS, Focalpoint, Cerberus, etc and many in-house developed applications. The networking environment was <b>Cisco</b> (6500, 3750, and 2600) and <b>HP SAN</b> (MSA 1000, EVA 3000, and EVA 8000). The environment was divided between Montreal (about half of the equipment), Stockholm and Vienna. It supported an <b>online poker</b> and gambling platform for about 30000 simultaneous players.</p> <p>The assignment was to be responsible for purchasing, supplier contacts and recruitment in Canada, hardware purchasing processes and documentation of the production environment, <b>project leading</b> a new backup solution (<b>Bacula &amp; Netbackup</b>), project leading a new monitoring solution (<b>Nagios &amp; Cacti</b>), project leading a <b>migration</b> from Clavister and Alteon to Cisco PIX and Loaddirector as firewalls and load balancers, project leading a SAN upgrade (HP EVA 3000), project leading a SAN implementation (HP EVA 8000), project leading a CRM system upgrade (Cerberus), subproject leading <b>PCI requirement</b> fulfillment, project leading a hardware inventory and project leading a diversity of other big and small projects. A large part of the mission was accomplished in Montreal and parts of it in Vienna.</p>	<p><b>Cision 2007-05-01 – 2007-09-30</b></p> <p>Leading a <b>migration</b> project from one connectivity provider to another, including all offices in Sweden, Denmark, Norway, Finland, Estonia and Lithuania. The solution was built upon <b>Cisco PIX</b>, CheckPoint FW-1, Cisco routers and HP switches and <b>MPLS</b> connections.</p>
<p><b>Ericsson Business Innovation 2001-01-01 – 2001-03-31</b></p> <p>Developing the <b>Ericsson LCS</b> (Local Community System), a concept to build "broadband islands" supporting IP, telephony, video and TV using equipment from <b>Extreme Networks</b>, Transition, Netscreen, Watchguard and Ericsson DRG. The software part included Windows NT, Kiwi syslogd, Perl, MRTG and an in-house developed system to manage users and equipment for port provisioning. Supported up to 10000 users with every user in its own VLAN, and multiple ISP connections for different services and different users.</p>	<p><b>SEB IT-Service 2004-03-31 – 2005-04-01</b></p> <p><b>Migration</b> of existing web servers, application servers and database servers from Windows NT 4.0 and Windows 2000 to Windows Server 2003. Implementing new web servers, applications servers, and database servers built upon Windows Server 2003. The migrations and implementations were a part of SEBWSP, a standardized server platform for web servers, application servers and database servers built upon Windows 2003 Server Standard/Enterprise Edition, MS SQL Server 2000 and IIS 6.0 with standardized component for database connectivity and such. At the end of the assignment, almost all 600 servers were migrated to SEBWSP servers. All new systems were also implemented using the SEBWSP concept. The assignment was planning, designing, testing, migrating, implementing and evaluating every new or migrated system.</p>
	<p><b>Sandvik 2003-02-01 – 2003-09-01</b></p> <p>Planning, designing and implementing a central user directory for 25000 of the 37000 employees at Sandvik. It was built using <b>MIIS</b> - Microsoft Identity Integration Server 2003 and Active Directory in Application Mode (<b>ADAM</b>). Connectivity agents were built to connect the system to <b>Active Directory</b> (Windows 2003), <b>RACF</b> (OS/390, Z/OS), <b>AS/400</b>, <b>SAP R3</b>, Lotus <b>Domino/Notes 5.0</b>, some <b>DB2</b> databases, CheckPoint <b>Firewall-1/VPN-1</b>, MS <b>SQL 6.5/7.0/2000</b>, a PA system, a HR system, <b>CA Service Desk</b> och <b>Snow Inventory</b> (Asset Management). The connectivity agents use LDAP, LDIF, DSML, ASCII, SCP, SQL, MQ, Lotus Domino/Notes and Active Directory. The necessary programming was made in C# in a .NET environment. The directory structure was built upon X.500 including X.509 certificates. We also developed a web based user interface using MS IIS and MS SQL Server 2000.</p>

## List of major assignments

<p><b>Defaultcity 2001-01-01 – 2004-10-01</b></p> <p>Designing, planning, implementing and maintaining a public wireless network providing internet access in Stockholm and a few other cities, using <b>802.11b</b> and <b>Bluetooth</b>. The network was built upon equipment from Intel and Linksys (radio), Netgear (networking) and Transition (fiber optics). It was based upon SDSL/ADSL and GIF tunnels (Ethernet over IP). The software used was Linux, OpenBSD, Apache, PHP, MySQL, iptables, pf, curl, nmap, Debitech (credit card transactions) and a captive portal developed in-house.</p>	<p><b>Bredbandsbolaget 2000-05-01 – 2000-12-31</b></p> <p>Implementing internal network connectivity between and within all offices, built upon Catalyst switches, <b>Cisco</b> routers, <b>Cisco PIX</b>, <b>IPSec</b>, <b>Digipass</b> OTP and <b>RADIUS</b>. The assignment included roaming user VPN or dial-in connectivity for all employees using OTP, and IPSec tunnel connectivity between the offices using PKI.</p> <p>Bredbandsbolaget had about 500 employees in about 15 offices around Sweden and offices in Denmark and Norway.</p>
<p><b>Neoplan 1998-01-01 – 2002-07-01</b></p> <p>Implementing a new connectivity solution for offices in Stockholm, Gothenburg, Åstorp, Jönköping, Uppsala and Mjölby based on routers from <b>Cisco</b> and <b>Bay Networks</b> (Nortel), including packet filtering firewall functions on the routers and a Terminal Server in Stockholm for user activities. Implementing virus protection on servers, clients and mail systems.</p> <p>Supporting the solution until 2002.</p>	<p><b>MTG 1999-05-01 – 1999-09-30</b></p> <p>Maintaining the IT environment for TV3, TV6, TV1000, ZTV, Viasat, Strix and other MTG companies. The assignment included maintaining <b>Windows NT</b>, <b>Linux</b>, <b>FreeBSD</b>, <b>Novell Netware</b> and <b>HP-UX</b> on the server side, and <b>Windows NT</b>, <b>Windows 95/98</b> and <b>Macintosh</b> on the client side. Also including maintaining the networking environment built upon <b>Cisco PIX</b> firewall and routers/switches from <b>Cisco</b>, <b>Bay Networks</b>, <b>3Com</b> and <b>Zyxel</b>.</p>
<p><b>Firewall customers 1997 -- 2009</b></p> <p>Customers include Rikta Kommunikation, Fuji Film, LO-tidningen, SKI, TV3, Springtime, Qbranch, Kommunikationsförberedningen, Riksdagen, NAI, Industrivärden, Zoo Village, SalusAnsvar, SällExpo, Gazoline, SEB, X-Change, Falck Sverige, CAD Competence, Newsec, Optillion, SMT Machine, APIS, Nordstjernen, Neoplan, Bostream, Strategisk Arkitektur, Wall to Wall, Highland Online and <b>others</b>.</p> <p>Implementation of numerous <b>firewalls/proxy servers</b> from different vendors, with or without VPN, including: Cisco Centri/PIX/ASA/FWSM/IOS-ACL, Checkpoint FW-1/VPN-1 on IPSO/Windows/Solaris/Linux/NGX, FreeBSD ipfw, OpenBSD pf, Linux ipchains/iptables, Watchguard Firebox, VelociRaptor, Symantec Enterprise Firewall, Symantec Gateway Security, Fuego, Novell Borderware, Shiva LanRover, Shiva AccessPoint, Vicom Internet Gateway, MS Proxy, MS ISA, Netscreen, Extreme ACL, NAI Gauntlet, Enternet/Clavister and CA eTrust, etc.</p> <p>The above is a selection of models I can remember. There are a lot of other models, but if you can drive a <b>SAAB</b>, then you can drive a <b>Ford</b>.</p>	<p><b>Pal.pp.se 1998-01-01 – present</b></p> <p>Installation, configuration, operating and maintaining a public <b>FreeBSD</b> server with more than 150 users. The server is running mail, www, sshd, DNS, IRC, Samba, SQL and FTP server, with both commercial and private purposes. This is a hobby project that has been going on for more than ten years.</p> <p>The server is built upon FreeBSD, OpenSSH, BIND, Apache, PHP, MySQL, Sendmail, Bahamut, ProFTPD, Samba, Gallery2, Wordpress, Mailman and others.</p> <p><b>PostCom 1999-01-01 – 1999-04-30</b></p> <p>Maintaining about <b>1 000 Cisco routers</b> at the Swedish postal service, located all over Sweden and in Bosnia, London, Brussels and Paris. The assignment included monitoring, trouble shooting, configuring, implementing and maintaining the connectivity between and within all offices. Protocols: <b>TCP/IP</b> tunneling <b>SNA</b>, <b>RIP</b>, <b>EIGRP</b>, <b>OSPF</b>, Ethernet, Frame Relay, X.25 and ISDN using <b>HP Open View</b> and <b>CiscoWorks</b> on HP-UX, and the solution also included network equipment from Nortel, 3Com, Marconi and Lagerkrantz.</p>

<b>Assortment of shorter or part time assignments</b> <i>List of more assignments or assignments within certain areas are available on request</i>	
<p><b>Forex Bank 2009-01-01 – 2009-04-01</b></p> <p>Design of a <b>disaster recovery</b> site, including routers, switches, firewalls, SAN and servers. The site was also designed to facilitate <b>redundant</b> network paths for traffic going to or coming from the main site from Forex offices or the Internet.</p> <p>Equipment included Cisco ASA and Cisco routers/switches running <b>MPLS</b> and <b>HSRP</b>.</p>	<p><b>Metronome 2008-11-01 – 2009-06-01</b></p> <p>Design and implementation of a <b>secure wireless network</b> built upon Cisco Aironet using 802.11 a/b/g, 802.1x, RADIUS and EAP with Active Directory integrated authentication through Cisco WLC, Internet Authentication Server and PKI certificates. The solution included <b>separate networks</b> for employees and guest. Depending the authentication credentials, the user is assigned different VLAN's.</p>
<p><b>Stockholms Läns Landsting 2006-06-11 – 2007-03-31</b></p> <p>Implementing an <b>LDAP synchronization</b> solution using Linux, Novell eDirectory, OpenLDAP, shell script, Bash and Awk.</p>	<p><b>Riksbyggen 2006-03-01 – 2006-05-01</b></p> <p>Designing and implementing a <b>single sign on</b> solution for a web based invoicing system, used by internal employees and external customers. The solution was built upon MS ISA Server proxying SSL connections. The assignment included a test environment built upon MS Virtual Server, Windows, MS ISA Server and OpenBSD.</p>
<p><b>Riksbanken 2005-11-01 – 2005-11-10</b></p> <p>A very extensive <b>hardening</b> of a <b>Citrix</b> terminal server at the Swedish National Bank, used for external customer access to internal systems, including very detailed documentation. The solution was built upon Windows 2000, Citrix, Adobe Acrobat and several inhouse developed applications.</p>	<p><b>Nordisk Film 2005-10-20 – 2005-10-25</b></p> <p>Implementation and <b>tweaking</b> of <b>Ethernet</b> jumbo frames, TCP sliding windows (RFC 1323), TCP window size (RFC 2414), SACK (RFC 2018), NFS and SMB (Samba) to achieve extremely high transmission rates over 1000-base-T to support digitizing of analogue movies. The solution was built upon a movie scanner, Windows XP, Mac OS X, Linux Redhat, Dell switches and EuroRAID SAN.</p>
<p><b>Banqit 2005-09-21 – 2005-10-01</b></p> <p>Implemented a solution for remote <b>ATM</b> management, monitoring and statistics using VNC, MOM, Windows 2003, Windows XP, Netscreen firewalls, IPSec tunnels and in-house developed applications.</p>	<p><b>Qbranch 2005-04-18</b></p> <p>Design and implementation of a <b>secure wireless network</b> built upon Cisco Aironet using 802.11 a/b/g, 802.1x, RADIUS and EAP with Active Directory integrated authentication through Internet Authentication Server. The solution included <b>separate networks</b> for employees, administrators and guest. Depending the authentication credentials, the user was assigned different VLAN's.</p>
<p><b>Siemens Specialfastigheter 2004-11-01 – 2007-03-31</b></p> <p>Implementing a solution for management of electricity, heating and ventilation, built upon <b>Windows 2000</b> and <b>Cisco 3500</b>.</p>	<p><b>Örebro Kommun 2003-12-01 – 2004-01-30</b></p> <p>Planning, designing and implementation of a switchboard for controlling automatic synchronizations of different databases and directories. The switchboard was built upon Microsoft Identity Integration server (<b>MIIS</b>) with programming in C#. Connections were made to Lotus <b>Domino/Notes 5.0</b>, <b>Oracle 8i/9i</b>, <b>MS SQL Server 2000</b>, Active Directory (<b>AD</b>) and Active Directory in Application Mode (<b>ADAM</b>). The functionality was reverse engineered and recreated from an existing MMS installation and then corrected and refined.</p> <p>The solution encompassed 40000 employees, teachers and students in the Örebro municipality.</p>
<p><b>Nordstjernan 2004-11-01 – 2007-03-31</b></p> <p>Implementing a VPN solution using PKI certificates to support <b>cell phone</b> and PDA synchronization using Windows Server 2003, AD, CA, RRAS, Windows Mobile/Pocket PC and Exchange 2000.</p> <p>Also implemented a <b>VPN</b> solution for remote management of heating and ventilation, to support archiving documents that were hundreds of years old. The solution was built upon <b>DVCP</b> tunnels on Watchguard Firebox and Edge, and included GDataPipe, SecureID RADIUS, Windows 2000 Active Directory, MS IAS, <b>Browik e615</b> and <b>Honeywell i30</b>. Created a very pedagogical documentation.</p>	<p><b>Riksdagen 2000-03-01 – 2000-04-01</b></p> <p>Feasibility study before a <b>migration</b> from Novell Netware 4.11 and IPX/SPX to <b>Novell Netware 5.0</b> and TCP/IP. The environment included Novell Netware, Windows NT, AS/400, Cisco routers, Shiva routers, print servers and other equipment and software.</p>
<p><b>Halogen 2001-04-02 -- 2001-05-11</b></p> <p>Planning, designing and implementing a full mesh <b>IPSec</b> VPN cloud connecting offices in Stockholm, London, Paris, Hamburg and Oslo. Also included roaming user VPN for employees. The VPN solution was built upon CheckPoint <b>VPN-1</b> on Nokia IPSO, with SecuRemote VPN client.</p>	

<b>Words about Patrik</b>	
<p>“I have acquired Patrik's services at several occasions, but I was the most impressed when my customer had been struggling with a problem for 6-7 weeks using so-called experts for help but failed. Patrik got in and solved the problem in 4 hours. Incredibly well done! They still speak of him as the IT God!”</p> <p><i>Åsa Persson, Key Account Manager at Qbranch AB</i></p>	<p>“During our time at Bredbandsbolaget AB Patrik didn't fail once, his dedication to work and to solve technical problems in a timely manner were set to very high standards. Keywords: Everything is possible.”</p> <p><i>Carl-Henrik Landgren, Senior Network Engineer at Bredbandsbolaget</i></p>
<p>“Patrik has the ability to solve the current problem! He has proven to be a fantastic resource for our company when we have had communication problems that are hard to find and/or solve. Patrik have yet never failed...”</p> <p><i>Christer Högvall, Manager Operations at BITS Data</i></p>	<p>“Patrik was hired to complete the building of Unibet's new Disaster Recovery site in Kahnawake, Canada. Patrik did a great job in all areas! His high technical competence was evident, he worked well with others and was very professional in all matters. He was someone who was self starting and proactive - someone we could really count on to get the job done even while working alone and out of sight.”</p> <p><i>Paul Clifford, Senior Project Manager at Unibet</i></p>
<p>“Patrik is an excellent engineer with an outstanding depth of network knowledge and a consistently professional approach to his work and colleagues.”</p> <p><i>James Lehnoff, Network Engineer at Digital River</i></p>	<p>“Patrik is an extremely efficient problem solver, areas within IT that he can't fix are very rare. Patrik is also a good trainer one to one or one to many. I can recommend Patrik for any but boring assignments.”</p> <p><i>Jan Hellgren, Product Manager at Qbranch AB</i></p>
<p>“Patrik is the first person that comes to my mind when I encounter (what I would define as) an unsolvable IT-related problem. He has bleeding edge knowledge in any core IT-related field (networking, UNIX, windows, infrastructure, project management etc.). He also possesses a high level of teaching skills, making it a pleasure to attend his lectures, presentations or keynotes. He is an unmatched resource in any IT-project and I would recommend him as a consultant or employee at all times.”</p> <p><i>Henric Helbro, Senior Project Manager at bwin Games AB</i></p>	<p>“Patrik is a very skilled technician who has been able to solve network problems which our own personnel and other third party contractors could not solve.”</p> <p><i>George Diab, Support Manager at BITS Data</i></p>
<p>“Patrik has unmatched top skills in System Management and IT-infrastructure. His skills combined with great understanding of the benefits of secure, robust and cost efficient IT-platforms makes him a highly regarded colleague. On top of this Patrik also have a superb energy level and works smart, fast and thoroughly while keeping a positive sphere around him and getting people around him positively involved.”</p> <p><i>Jacob Pontén, Deputy Managing Director at Qbranch AB</i></p>	<p>“Over the past three years, the Stockholm Open pinball tournament has become one of the most prestigious pinball tournaments held in the world. The organization of the tournament itself, and the ability for the tournament's website to provide detailed up to the minute results and other information has propelled the tournament into the 21st century. In addition, Patrik has been an integral part of the International Flipper Pinball Association, serving as the Swedish Country Director. His leadership and analytic expertise has been very important in the development of competitive pinball throughout not only Sweden but the rest of the world.”</p> <p><i>Joshua Sharpe, Controller at Raw Thrills Inc and President of the IFPA</i></p>
<p>“Working with Patrik while getting the structure in place for Stockholm Open was like stepping into a war room. There were no problems which couldn't be solved, only solutions not yet implemented. Or, in some cases, invented. He's goal oriented and committed, something which is extremely valuable when you're going to motivate a lot of volunteers to work together, in their spare time, to launch such an event successfully. And then do it all over again. And again.”</p> <p><i>Lotta Fjelkegård, Retention Manager/Assistant Casino Manager at Net Entertainment AB</i></p>	<p>“Patrik Bodin is a very professional consultant with a deep knowledge in networking aswell as in various systems. Higly recommended!”</p> <p><i>Fredrik Hansen, Chief Security Officer at Netgiro AB</i></p>
<p>“Patrik is and extremely knowledgable consultant with both broad and deep technical know-how of almost any type of computer systems.”</p> <p><i>Daniel Sjöstrand, Configuration Manager at bwin Games</i></p>	<p>“Great tech and people skills, Patrik gets the job done. Hire him.”</p> <p><i>Per Lanvin, Owner of Fouredge</i></p>
	<p>“Patrik is the best technician I ever have seen.”</p> <p><i>Amir Chizari, Consultant at Qbranch AB</i></p>

