Cobalt RaQ 2

Low-cost, high-density Internet server appliance designed expressly for ISPs

Cobalt RaQ™ 2 server appliances, from Cobalt Networks, Inc., deliver a full suite of Internet services with remote administration capabilities–packaged in a single rack unit (1RU) high industry standard enclosure. Pre-configured with the Apache web server, Sendmail, the Linux operating system, and Front Page server extensions, Cobalt RaQ server appliances provide web publishing, email, and file transfer services at a fraction of the cost of traditional Unix, Windows NT, or even "build-it-yourself" alternatives.

Because of its simplicity and low cost, the RaQ 2 provides ISPs with several alternatives for web hosting. First, ISPs can deploy RaQ 2 as a dedicated server for individual clients. This approach provides clients with a much higher quality of service, increases per-client revenue, and reduces time spent on server administration. Since RaQ 2 is so simple to configure, ISPs can provide "while-you-wait" web hosting services, with complete activation during a single phone call. Second, as a shared server solution, RaQ 2 can support up to 200 sites. Third, as RaQ 2 is based on open-source standards that support a large number of third party solutions, end customers can customize the RaQ and co-locate at ISP sites.

Benefits:

Low-cost hosting

The Cobalt RaQ 2 with name based virtual hosting support represents a pricing breakthrough for Internet servers. The low cost of ownership results not only from an attractive purchase price, but also from the ease of setup, remote administration, and pre-installed software. Since it is built on open-source standards, RaQ 2 is an excellent choice for custom web based co-location solutions.

High server density

The Cobalt RaQ 2 is designed for use in the extremely space-conscious environment of the ISP Network Operations Center. Its single rack-unit enables up to 40 Cobalt RaQ 2 server appliances to fit into a standard equipment rack, or up to 80 when mounted on both sides of a rack. Low power consumption translates to low heat generation, and a rear-mounted fan provides front-to-back flow-through cooling.

Open, standards-based design

The Cobalt RaQ 2 includes all of the software that ISPs and developers need to develop and host web sites, including Apache web server, Perl scripting language, and the Linux operating system. For the programmer, standard development tools include compilers, editors, debuggers, header files, and libraries.

Browser-based administration and maintenance, plus SNMP

All administration and maintenance is browser-based for simple remote administration. The ISP or designated end-user administrator can add and delete users or email accounts, and monitor the system from the browser. Maintenance agents provide alerts if they detect potential problems, giving the administrator time to take action before problems become serious. SNMP support means ISPs can also manage the Cobalt RaQ 2 with the same standards-based network management applications they use to manage other network devices.

Outstanding performance

The Cobalt RaQ 2 can easily handle the requirements of sophisticated sites. Each machine can handle over 250,000 emails, and over 10 million web page requests per day.

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ISP and end-user services	* **Web serving** - The Cobalt RaQ 2 server appliance offers integrated support for HTTP/1.1, Common Gateway Interface (CGI) and Perl scripting. * **Email services** - Services include unlimited mail accounts for each domain, automatic vacation responses, automatic forwarding, and group mailing lists. These services can be managed by the client, minimizing the administrative burden on the ISP. * **Internet standard File Transfer Protocol** - All files, from a single text article to a full web site, can be easily transferred to or from the Cobalt RaQ 2 using FTP. * **Virtual domain support** - The Cobalt RaQ 2 offers name based virtual domains (single IP address for multiple domains) or IP based virtual domains (one IP address for each domain). * **Development Environment** - The Cobalt RaQ 2 includes a full suite of standard development tools, including C and C++ compilers, libraries. ISPs or their clients can use these tools to build custom, value-added services.
Hardware	64 bit superscalar processor 16 MB to 256MB DRAM EDO SIMMs (2 slots) 3.3V Internal Ultra ATA hard drive Dual 10/100Base-T Ethernet network interfaces External SCSI port (mini-micro 50 pin, Ultra Narrow) LCD panel for easy set-up and administration Serial console interface
Software	**Software features:** Linux® 2.0 multitasking operating system Apache® 1.3.3 web server, HTTP/1.1-compliant Virtual Hosting Services: name based and IP based CGI support Perl scripting SMTP, IMAP4, POP3 email protocol support FTP, anonymous FTP access Telnet access Domain Name Server (Bind 8.9.1) Front Page Server Extensions NTP client support Optional SSL support Code development environment Legato Networker client Security: PAM/Shadow Passwords **System management:** SNMP management support Browser-based setup wizard Browser-based server management and per-site management interfaces Online ActiveAssist real-time help ActiveMonitor maintenance agents Advanced management using Telnet Web-based performance and usage reporting Browser-based backup and restore utility Browser-based software upgrade

Physical	Dimensions: 17.00 x 12.50 x 1.75 inches (43.2 x 31.8 x 4.5 cm) (fits standard 19" equipment rack; single rack unit height)
	Weight: 9 lbs 3 oz (4.2 kg)
	Power requirements: Input rating 100-240V, 50/60Hz
	Maximum power consumption: 35 watts
	Operating environment:
	  32° to 108° F (0° to 40° C)
	  10% to 90% humidity (non-condensing)
	Non-operating environment:
	  14° to 122° F (-10° to 50° C)
	  5% to 93% humidity (non-condensing)
	LEDs: Power, Transmit/Receive, Link, Collision, 100 Mbit, Disk Activity, Web Activity

Regulatory approvals	FCC Class B, VCCI-B, UL, C-UL, TUV, CE
Ordering information	Marketing Part Number Product Configuration R28 132 EIU RaQ 2 with 16MB DRAM, 3.2 GB disk, single ethernet R28 684 EIU RaQ 2 with 64MB DRAM, 8.4 GB disk, single ethernet R28 CC0 EIU RaQ 2 with 128MB DRAM, 13 GB disk, single ethernet R28 332 FIU RaQ 2 with 32MB DRAM, 3.2 GB disk, dual ethernet, SCSI R28 6C0 FIU RaQ 2 with 64MB DRAM, 13 GB disk, dual ethernet, SCSI R28 CC0 FIU RaQ 2 with 128MB DRAM, 13 GB disk, dual ethernet, SCSI R28 G32 FIU RaQ 2 with 256MB DRAM, 3.2 GB disk, dual ethernet, SCSI R28 GF8 FIU RaQ 2 with 256MB DRAM, 16.8 GB disk, dual ethernet, SCSI

About Cobalt Networks

Cobalt Networks, Inc. is a leading developer of server appliances that extend the reach of the Internet by setting new standards for value, integration, and ease of use. Cobalt's award winning product line – the Cobalt Qube, Cobalt Cache, Cobalt RaQ, and Cobalt NASRaQ are widely deployed as Internet and web hosting server appliances at business, educational institutions and Internet Service Providers (ISPs). Cobalt's solutions are delivered through a global network of distributors, value-added resellers and ISPs. Founded in 1996, Cobalt Networks Inc. (http://www.cobaltnet.com) is located in the heart of Silicon Valley in Mountain View, California, USA, with international offices in Japan, United Kingdom, Netherlands, and Germany.

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T0008B-5000 3/99 Printed in USA