

To order the Omnix LS today, call (800) 523-2320 to speak to an ICS Advent Sales Engineer or go to www.icsadvent.com to configure your system online.



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Business Critical Linux® Platform

Business Critical Linux® Platform (BCLP) Initiative Provides "Bulletproof" Linux Capabilities Based on Intel® Architecture For the Most Demanding Network and Web Server Applications



Take Advantage of the Exploding Specialized Server Market—Powered by Linux®

Over the past few years, the explosion of interest in open operating system software and the widespread development of Linux-based applications have helped turn Linux into a major mainstream force in the computer and communications industries.

Fueled by (1) lower cost of entry versus competing OS platforms, (2) point solution footprint advantages over bloated operating system alternatives, and (3) hybridization of enterprise and network infrastructures, Linux deployments are growing at a 212% compound annual growth rate (CAGR). IDC research data has shown Linux to be one of the most widely used operating platforms, second only to Microsoft. In addition, as a UNIX derivative, Linux's superior robustness for multi-tasking makes it an ideal alternative for implementing networked servers and specialized communications platforms. The market for complete Linux-based point solutions to implement specialized servers and networked appliances represents one of the fastest growing Linux opportunity areas.

Optimizing Linux on Intel® Architecture for Turn-key, Business Critical Applications

However, for Linux to realize its full potential for enterprise-level and carrier-class network edge applications, it is imperative to have a solid foundation of bundled hardware and software that is certified for Linux reliability and designed for high-volume business-critical deployments. To maximize and protect their on-going system investments, OEMs, service providers and enterprise customers need the assurance of platforms that provide documented certification of Linux compatibility combined with stable configurations in line with embedded market lifecycle requirements. In addition, they need optimal configuration flexibility and a full range of custom support capabilities to meet a divergent set of service hosting requirements.

THE LINUX REVOLUTION

LINUX HAS ACHIEVED PHENOMENAL SUCCESS BECAUSE OF THE GLOBAL OPEN-SYSTEMS DEVELOPMENT MODEL, WHICH ALLOWS MULTIPLE DEVELOPERS TO ACCESS, MODIFY AND GENERALLY BROADCAST IMPROVEMENTS IN THE SOURCE CODE. FOR BUSINESS CRITICAL APPLICATIONS, IT IS EQUALLY IMPORTANT TO PROACTIVELY MANAGE REVISION LEVELS TO ASSURE ON-GOING STABILITY AND TO PROVIDE COMPREHENSIVE SUPPORT FOR FULLY PRODUCTIZED SOFTWARE DISTRIBUTIONS. HOWEVER, NOT ALL LINUX IS THE SAME. FOR BUSINESS CRITICAL APPLICATIONS, IT IS EQUALLY IMPORTANT TO PROACTIVELY MANAGE REVISION LEVELS TO ASSURE ON-GOING STABILITY AND TO PROVIDE COMPREHENSIVE SUPPORT FOR FULLY PRODUCTIZED SOFTWARE DISTRIBUTIONS. CALDERA'S OPENLINUX® OPERATING SYSTEM IS THE ONLY COMMERCIALY ENGINEERED, 100% SELF-HOSTED LINUX PRODUCT AVAILABLE TODAY, WHICH MEANS A BUSINESS CAN RE-COMPILe THEIR SYSTEM FOR CUSTOM APPLICATIONS THAT REQUIRE IT WITHOUT RUNNING INTO INCOMPATIBLE AND UNMATCHING SOURCE AND BINARY CODES. CALDERA'S OPENLINUX OPERATING SYSTEM, INTEGRATED APPLICATIONS, AND UNIQUE VOLUTION NETWORKED MANAGEMENT TOOLS, CREATE AN IDEAL SOFTWARE ENVIRONMENT, WHICH HAS BEEN FULLY TESTED AND CERTIFIED ON ICS ADVENT'S OMNIX LS HARDWARE PLATFORMS.

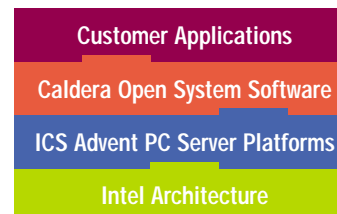
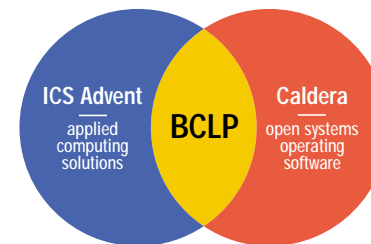


Best-of-Breed Software and Hardware from an Alliance of Industry Leaders

The Business Critical Linux Platform (BCLP) Initiative brings together industry-leading expertise from Caldera® International and ICS Advent, using a solid scalable foundation of Intel® microprocessor architecture, to comprehensively address the migration of demanding business critical applications into a stable and cost-effective Linux environment.



- Caldera International is the world's leading provider of open systems operating software including both Linux and UNIX products designed specifically to meet the stringent requirements for enterprise-level deployments. Caldera's industry leading OpenLinux® product is backed by comprehensive professional services, user-friendly Volution™ Linux management tools, and an extensive worldwide support infrastructure.
- ICS Advent is a premiere provider of "applied computing" solutions, such as the award winning Omnix™ family of configurable, rack mounted, Intel®-based platforms. ICS Advent brings together state-of-the-art system manufacturing and design capabilities, with over 15 years experience successfully providing robust and highly configurable platforms to fulfill the needs of OEMs, system integrators and value-added resellers in demanding communications, industrial automation, test & measurement and other business critical applications.



A BLENDING OF EXCELLENCE

BY BUILDING COMPLETE SYSTEM SOLUTIONS UPON THE INTEL® ARCHITECTURE, THE BCLP INITIATIVE HAS BLENDED EXCELLENCE IN SYSTEMS-LEVEL SOFTWARE AND HARDWARE WITH CHIPSET-LEVEL EXCELLENCE FROM THE WORLD'S PREEMINENT MICROPROCESSOR COMPANY. INTEL® HAS CONSISTENTLY SET THE STANDARD FOR LEADING-EDGE PERFORMANCE IN EMBEDDED PROCESSING SOLUTIONS, WHILE PROVIDING UNPARALLELED SUPPORT AND CONFIGURATION MANAGEMENT CAPABILITIES. ICS ADVENT IS ONE OF ONLY FIFTEEN COMPANIES DESIGNATED AS AN INTEL® APPLIED COMPUTING PLATFORM PROVIDER (ACPP). THIS ELITE STATUS MEANS THAT ICS ADVENT WORKS CLOSELY WITH INTEL ON THE DEVELOPMENT AND COMMERCIALIZATION OF CHIPSET DESIGNS FOR DEPLOYMENT IN VOICE, DATA AND CONVERGED NETWORK INFRASTRUCTURE ENVIRONMENTS. IT ALSO MEANS THAT ICS ADVENT IS ABLE TO WORK WITH THESE CHIPSETS FOR MONTHS BEFORE THEIR GENERAL RELEASE, THUS ENSURING BOTH CONFIGURATION STABILITY AND FORWARD EXTENSIBILITY FOR ALL OMNIX-BASED BCLP LINUX PLATFORMS.

Stable Configurations and Managed Software Distributions

The first system deliverables from the BCLP Initiative bring together Caldera's proven OpenLinux product with ICS Advent's compact rack mount Omnix systems to create pre-integrated and fully-tested Omnix LS™ rack mountable Linux platforms based on Intel® Architecture.

The initial Omnix LS configuration consists of:

- A rugged compact 1U (1.73" high, 26" deep) rack mountable chassis with locking front door
- Dual Pentium®III processors, ServerWorks® Motherboard with video, integrated 2D/3D graphics with 4MB display cache, and dual Intel®82559 10/100 Ethernet LAN controllers with SCSI and non-SCSI options
- 64-bit/66MHz 5.0V PCI Riser Card included
- One IDE/ATAPI 40X CD-ROM drive, one 1.44MB floppy drive, and one optional IDE or SCSI hard drive; or one combination CD/floppy drive and two optional SCA RAID drives
- Adaptec Ultra160 SCSI RAID Controller with 64-bit i960RN microprocessor (RAID option)
- 300W small form factor 115/230VAC input power supply with PFC

All Omnix LS systems are integrated, tested and loaded with Caldera's latest OpenLinux operating system software products using either:

- Caldera® OpenLinux® Server 3.1 or
- Caldera® OpenLinux® Workstation 3.1

Driven by Caldera's focus on providing comprehensive, industrial-strength, business-oriented solutions, OpenLinux delivers an optimal blend of Linux's rapidly expanding applications base along with the assurance of carefully managed and thoroughly tested periodic software distributions. Currently built around the latest Linux 2.4 Kernel, OpenLinux provides extensive hardware support for new devices, improved SMP scalability, expanded memory support, and faster I/O performance.

The flexibility of Caldera's OpenLinux Server enables the Omnix LS platform to provide a range of immediately productive default configurations, including:

- Secure Web Server—Supporting Apache, SSL, perl, php, log file consolidation, x.509 certificates, load balancing, etc.
- File and Print Server—Supporting a full range of Linux, UNIX and Microsoft® file and print services.
- Network Infrastructure Server—Supporting DNS, DHCP, Sendmail, List Server, News Server, Firewall, etc.

Certified for Out-of-the-Box Performance & Reliability Based on Intel® Architecture

The powerful combination of ICS Advent's Omnix hardware and Caldera's OpenLinux software, along with the fundamental advantages of Intel's industry-leading architecture, provide a uniquely robust platform for implementing business critical networked applications. All aspects of the Omnix LS design have been tuned from-the-ground-up to deliver optimal results when running the OpenLinux environment. To ensure consistent out-of-the-box performance and reliability, the members of the Business Critical Linux Platform Initiative have also teamed together on a rigorous certification and testing process.

The basic Omnix LS platform and all associated optional configurations have undergone extensive design qualification testing as part of the BCLP initiative. The Omnix LS systems have been independently tested and certified by Caldera quality assurance staff in Caldera's Orem, UT testing laboratories using the Linux-compliant Caldera Certification Services System Test Kit (STK). In addition, all Omnix LS configurations and options also have been subjected to extensive design assurance qualification and stress testing by ICS Advent engineering and QA staff at the ICS Advent facilities in San Diego, CA.

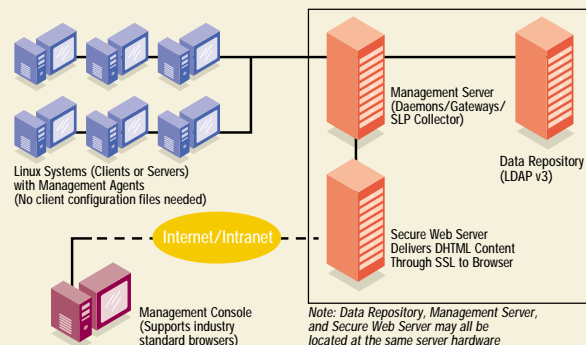
The testing and benchmarking efforts specifically stressed all of the critical subsystems that are vital to network and Web server applications, such as the file system, CPU/FPU, cache, memory, OS abstractions/primitives, and networking elements. A wide range of tests for critical factors such as overall server throughput, average response times, latency, etc. were conducted across various loads as to the number of clients being served and the amount of traffic being generated. To fully assess performance, a number of different industry-standard benchmarks were used, including Ziff-Davis NetBench 7.01, BYTEmark ver.2, HP's Netperf 2.1, HBench-OS 1.0, and others.

The bottom line results indicate that the Omnix LS platform provides an unprecedented level of consistent performance for implementing network platforms and Web servers using the Linux operating system. Rather than leaving system integrators to hassle with hand-tuning ad hoc combinations of Linux software and off-the-shelf commercial hardware, the rigorously tested and certified Omnix LS platform consistently delivers a reliable high-performance point solution for immediate implementation of bulletproof network server applications.

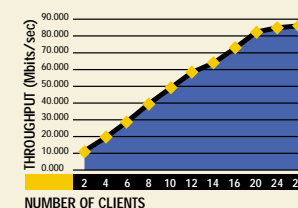
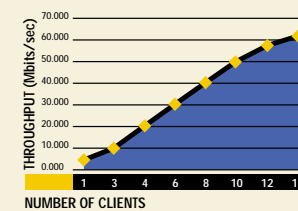
OMNIX LS AND VOLITION

THE ULTIMATE

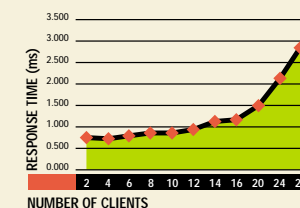
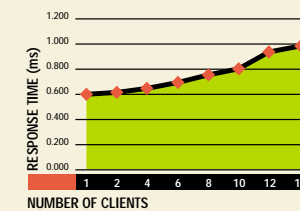
ADDITION OF CALDERA'S VOLITION™ ALSO CAN PROVIDE A COMPLETE LINUX-BASED SYSTEM AND NETWORK MANAGEMENT SOLUTION THAT REDUCES THE COST OF IMPLEMENTING AND MANAGING ENTERPRISE OR INFRASTRUCTURE NETWORK SYSTEMS. BY ENABLING SECURE REMOTE BROWSER-BASED MANAGEMENT OF MULTIPLE OMNIX LS PLATFORMS, VOLITION GIVES ADMINISTRATORS THE CAPABILITY FOR EFFICIENT POLICY-BASED CONTROL, HEALTH AND WELLNESS MONITORING AND INVENTORY AUDIT, RATHER THAN HAVING TO MANAGE EACH SYSTEM INDEPENDENTLY.



Throughput



Average Response Time



BENCHMARKS

BCLP SYSTEMS

DELIVER PREDICTABLE RESPONSE TIMES AND CONSISTENT THROUGHPUT ACROSS A FULL SPECTRUM OF LOAD CONDITIONS.

Cost-effective Scalability and Configuration Management

The Business Critical Linux Platform Initiative is committed not only to delivering highly reliable individual servers but also to providing the utmost in cost-effective scalability for supporting extensive networked deployments. Using efficient 1U rack mountable building blocks, the Omnix LS architecture is designed for smooth incremental scaling from individual server configurations up through large banks of Web servers, routers, applications servers or other demanding infrastructure and enterprise network deployments. Whether specific requirements call for enterprise server applications or service provider infrastructure deployments, Omnix LS platforms provide the modularity, features and scalability needed for flexibly tailoring costs and performance to virtually any set of specifications.

With the powerful Intel® Architecture providing the core of the Omnix LS platform, a high performance forward migration path is assured. However, unlike mainstream desktop systems from commercially oriented vendors, Omnix LS platforms provide the inherent stability and on-going configuration management needed to support long-term widespread deployments, while eliminating any uncontrolled "configuration creep" that can disrupt field maintainability. In addition, Caldera's commitment to carefully managed and fully tested software distribution releases also assures corporate and OEM customers of sustained manageability and consistency over extended periods of applications deployment.

Custom Engineering & Professional Services Consulting

Today's OEMs and system integrators also must be able to tailor their implementation strategies to meet an increasingly difficult blend of critical factors, such as throughput performance, mechanical or electrical specifications, or maintainability. The BCLP members can develop, test and deliver custom configurations for customers who need as few as 50 systems or as many as 5,000. Amid increasing competitive pressures and shrinking time-to-market windows, OEM requirements for "tailored-fit" products and business relationships are becoming more critical every day.

With years of experience delivering leading-edge computer systems for communications, industrial automation, test/measurement and medical applications, ICS Advent has developed the expertise, knowledge and project management systems to act as a full partner in designing and delivering complete rack mount or embedded computer solutions, targeted to specific applications requirements. For example, in the communications arena, ICS Advent has pioneered the development of optimized industrial PC systems for some of the largest and fastest growing companies providing quality of service test stands, security management appliances, content delivery management services in the open communications systems markets. The company has also provided PC-based platforms for the complete spectrum of instrumentation, control and material handling systems. Ranging from relatively simple requirements such as private-label logos to ground-up custom designs to full turnkey integration of third party hardware and software, ICS Advent has the processes in place to tailor Omnix LS products to any set of custom specifications.

Similarly, in the world of open systems software, Caldera brings more than 20 years of in-depth experience in helping corporate and OEM customers tailor their software for optimal results. Caldera's worldwide professional service organization provides a complete range of consulting, design, and support services that can assist customers with migrating their existing applications to OpenLinux and/or tuning them for the Omnix LS platforms. If appropriate, Caldera's professional services group also can provide comprehensive LifeSpan™ project-oriented software engineering capabilities that encompass the entire cycle from initial feasibility/planning through development and deployment, as well as on-going maintenance and support.

Comprehensive Worldwide Support & Channel-Friendly Business Models

Driven by active on-going commitments from ICS Advent and Caldera International, and fueled by the advantages of the Intel® Architecture, the Business Critical Linux Platform Initiative has effectively brought Linux out of the realm of interesting possibilities—and into the reality of bulletproof deployability.

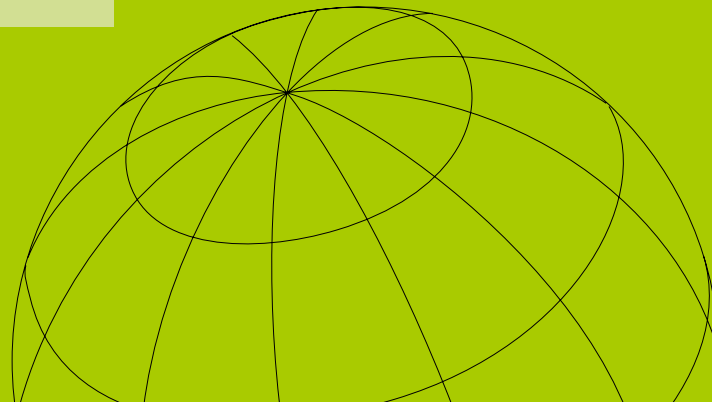
The ability to coordinate the full spectrum of hardware and software support resources virtually anywhere around the globe, gives both system integrators and enterprise customers a comprehensive and highly responsive infrastructure for assuring total program success.

In addition to offering an unparalleled blend of technologies and engineering expertise, Caldera and ICS Advent also bring together extensive experience with fostering all flavors of channel marketing relationships as well as directly supporting corporate IT organizations. For 15 years, ICS Advent has been among the world's largest vendors of industrial PCs to a broad range of equipment OEM, integrator and service provider market. With 16,000 channel members, Caldera International manages one of the largest networks of Open Linux/Open UNIX developers and deployers in the world. From pricing to logistics and technical support, ICS Advent and Caldera offer deep experience supporting many IT channels. Instead of hassling with "finger-pointing" between separate vendors that only address one aspect of the whole picture, corporate customers, OEMs and value-added resellers alike can rely on the BCLP Initiative to provide both the technical support and the strategic relationships needed to achieve their real-world business objectives.

Ultimately, the Business Critical Linux Platform Initiative brings together unprecedented opportunities to leverage all of Linux's inherent advantages into a full spectrum of networked application environments, which require the utmost in robustness, reliability and scalability. Specifically, the Omnix LS platform represents a fully tested and certified, bundled hardware/software OpenLinux system that alleviates all of the integration and ramp-up challenges for applications developers. The companies supporting the initiative have the experience to help developers and deployers launch their systems and roll out new services more quickly, efficiently and safely thus enabling you to quickly "get ported, get bundled and get big".

SCALABILITY

LINUX-BASED OMNIX LS SYSTEMS SCALE TO ENCOMPASS THE ENTIRE SPECTRUM OF APPLICATION REQUIREMENTS AND DEPLOYMENT CHALLENGES.



GLOBAL SUPPORT

BLENDED OF CALDERA AND ICS ADVENT CAPABILITIES PROVIDE COMPREHENSIVE GLOBAL SUPPORT AND SERVICE THAT CAN BE TAILORED TO ADDRESS SPECIFIC CUSTOMER REQUIREMENTS.

