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PORTFOLIO
EDUCATION SOLUTIONS
April 2006

Introduction

As the post-digital age dawns on higher education, expectations are high for delivering high quality education whether students are on-campus or off. Anytime, anywhere access to instruction, course content, extended resources, collaborative tools, and other necessities of student life has ushered in a new era of education. Wireless networks on campus grew from 7% in 2002 to 75% in 2004, and convergence of personal communications has created demand for learning applications combining voice, instant messaging, video, and collaboration features. Academic adoption of grid computing models is driving the need for a secure cyber-infrastructure that serves individual as well as institutional needs. The post-digital campus is home to an explosion of rich-media virtual environments.

Since its inception in 1982, Sun Microsystems, with its singular vision, The Network is the Computer™, has helped educational institutions advance learning and research through the use of innovative network computing solutions. Sun's success in the education marketplace has been built both on its strong relationships with software application providers and its industry-leading experience in building secure intranet and Internet solutions. Sun™ provides a wide array of servers, storage, desktop systems, management software and other important components of an IT infrastructure for the post-digital age.

The needs of educational institutions are much different today than in the past. Arthur Levine, President of Columbia University's Teachers College, identifies education as an industry in flux when he says, "The biggest danger is that higher education may be the next railroad industry, which built bigger and better railroads decade after decade because that was the business it thought it was in. The reality was that it was in the transportation industry and was nearly put out of business by airplanes."

Publishers, television networks, libraries, museums, and universities are all converging on the education arena. Colleges and universities can no longer think of themselves as a traditional campus, but rather as a *Knowledge Enterprise*. The knowledge enterprise is not only a developer and distributor of educational content, but is also a user of digital information from many sources and an aggregator which organizes, synthesizes and delivers educational content.

Managing the information needed to operate a knowledge enterprise requires an IT infrastructure that is much more robust than traditional education IT systems. The challenges facing today's knowledge enterprise require an IT infrastructure that provides:

- 24 X 7 uptime with reliable and scalable content delivery
- Anytime, anywhere access to secure data
- A single integrated campus portal that allows access to all campus information and administrative resources
- Protection of intellectual property
- Ability to quickly adapt IT systems to changing user and market needs

The full spectrum of needs for the knowledge enterprise can be addressed through the solutions listed in this portfolio. To provide these features cost effectively, many educational institutions are outsourcing some or all of their campus portal initiatives to third party service providers. The solutions listed in this portfolio include some good examples of application service provider (ASP) solutions which can often be more cost effective and more flexible than in-house implementations.

Sun and its third-party solution partners provide a competitive edge for the knowledge enterprise in this fast-paced, post-digital age. This portfolio lists solution providers who offer product versions for the Solaris™ operating environment. Sun thin clients, desktop, and server products also run Linux and Microsoft Windows applications, so customers have the freedom to choose the solution that best meets their business needs.

For access to the electronic version of this portfolio, as well as related materials, see Sun's Worldwide Education and Research Web page at www.sun.com/edu.

To notify Sun about an innovative Sun-based software application or university project not listed in this document, please contact art.pasquinelli@sun.com with a description. Should you have any questions regarding Sun products, please contact your local Sun sales office.

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Chapter 1.

Administrative Computing

AppWorx

Enterprise scheduling software that allows IT organizations to automate, integrate and accelerate business application processing across multiple applications.

www.appworx.com

Headquarters:

AppWorx Corporation USA, 2475 140th Avenue NE, Bellevue WA 98005, Phone: (425) 644-2121

ARCHIBUS, Inc.

Provides facilities and infrastructure management solutions and services. ARCHIBUS/FM optimizes the acquisition, use, and maintenance of physical assets and infrastructure.

www.archibus.com

Headquarters:

ARCHIBUS, Inc., 18 Tremont Street, Boston MA 02108, Phone: (617) 227-2508

Datatel, Inc.

Provides advanced information management solutions to the higher education community, including a full suite of ERP and student software.

www.datatel.com

Headquarters:

Datatel, Inc., 4375 Fair Lakes Court, Fairfax VA 22033, Phone: (703) 968-9000

The Java™ Architectures Special Interest Group (JA-SIG)

Open computing organization that has developed the open source uPortal. Dedicated to providing education and research in the applied use of open technology architectures and systems in higher education.

www.ja-sig.org

Headquarters:

JA-SIG, c/o CONCENTRA Conference Management Services, P.O. Box 351989, Westminster CO 80035, Phone: (303) 404-0339

LADOK

LADOK is a student information system for Swedish higher education institutions.

www.ladok.se

Headquarters:

Ladokkonsortiet, KTH Adm enh, Drottning Kristinas Väg 6, 100 44 Stockholm, Sweden, E-mail: gunnarb@admin.kth.se

Nuventive

TracDat is a software solution for managing the institutional assessment and planning process. The company's electronic portfolio solution, iWebfolio, was introduced in 2002 to extend its solutions to encompass documentation, management and display of competencies and professional accomplishments from the individual through the institution.

www.nuventive.com

Headquarters:

Nuventive, 3996 Mt. Royal Boulevard, Allison Park PA 15101, Phone: (412) 487-8700

Oficina de Cooperacion Universitaria (OCU)

Provider of an ERP system for higher education, created by a joint project of public universities in Spain.

www.ocu.es

Headquarters:

Oficina de Cooperacion Universitaria, Arequipa 1, planta 3, Madrid ES 28043, Spain, Phone: +34 91 382 2140

Oracle Corporation

Comprehensive, pre-integrated business applications for education and research, including key functionality built specifically for colleges, universities, and research institutions. Incorporates the former PeopleSoft Enterprise product line.

www.oracle.com/industries/education

Headquarters:

Oracle Corporation, 500 Oracle Parkway, Redwood Shores CA 94065, Phone: (650) 506-7000

SAP AG

SAP for Higher Education and Research provides ERP and student information systems.

www.sap.com/industries/highered

U.S. Headquarters:

SAP America Inc., Planning and Support Office, 3999 West Chester Pike, Newtown Square PA 19073, Phone: (610) 661-1000

SAS Institute Inc.

Software solutions to supply users with the information they need for effective and efficient learning throughout the education life cycle.

www.sas.com/govedu/edu

Headquarters:

SAS Institute, Inc., 100 SAS Campus Drive, Cary NC 27513, Phone: (919) 677-8000

Sigma Gestion Universitaria

Applications to manage university teaching resources and student information.

www.sigmaaie.org

Headquarters:

Sigma Gestion Universitaria, Via Augusta, 4^a Planta, 08006 Barcelona, Spain, Phone: +34 93 214 2002

SunGard

Fully integrated administrative systems, portals, and other higher education-focused enterprise solutions.

www.sungard.com/users/for_universities_and_colleges.htm

Headquarters:

SunGard Higher Education Solutions, 680 East Swedesford Road, Wayne PA, Phone: (800) 825-2518

Chapter 2.

Digital Content and Media Management

Artesia: The Open Text Digital Media Group

Tools providing a single point of management for all digital media files, regardless of media, and their underlying metadata information.

www.artesia.com

Headquarters:

Artesia Technologies, 700 King Farm Boulevard., Suite 400, Rockville, MD 20850, Phone: (301) 548-4000

Callisto Media Systems

Specializes in digital video server products and solutions. The Voyager video server product integrates encoding systems into a complete solution that includes content storage, management, distribution, and access over all network architectures.

www.callisto.ca

Headquarters:

Callisto Media Systems, Inc., 490 St. Joseph Boulevard, Suite 402, Hull, Quebec J8Y 3Y7, Canada, Phone: (819) 770-5738

Desire2Learn

Provides a Web-based learning platform, a learning object repository, and other eLearning solutions.

www.desire2learn.com

Headquarters:

Desire2Learn, 72 Victoria Street South, Suite 401, Kitchener-Waterloo, Ontario N2G 4Y9, Canada, Phone: (519) 772-0325

DiMeMa Inc.

Provides tools for organizing, managing, publishing, and searching digital collections over the Internet.

www.dimema.com

Headquarters:

DiMeMa Inc., 100 W. Harrison Street, North Tower, Suite 480, Seattle WA 98119, Phone: (206) 281-1632

D-Space

Open source digital repository system that captures, stores, indexes, preserves, and distributes an organization's research data.

www.dspace.org

Headquarters:

D-Space, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge MA 02139, Phone: (617) 253-1000

Fatwire

The Fatwire Content Server product suite enables organization-wide deployment of a wide variety and large quantity of Web sites and content-centric applications.

www.fatwire.com

Headquarters:

Fatwire Software, 330 Old Country Road, Suite 207 Mineola NY 11501, Phone: (516) 328-9473

HarvestRoad Limited

HarvestRoad Hive is a federated digital repository system that manages sharing and reuse of content in any online learning environment across any number of locations or countries.

www.harvestroad.com

Headquarters:

HarvestRoad Limited, Level 6, 10 William Street, Perth WA, 6000, Australia

Mailing Address:

P.O. Box Z5146, St. George's Terrace, Perth WA 6831, Australia, Phone: +61 8 9338 3000

Interwoven

Through a single platform, Interwoven supplies enterprise content management solutions that enable people to collaboratively create, store, manage, repurpose, deliver, and archive information.

www.interwoven.com

Headquarters:

Interwoven, 803 11th Avenue, Sunnyvale, CA 94089, Phone: (408) 774-2000

Luna Imaging, Inc.

Provides services to convert collections into digital form, and a complete visual environment for working online with high-resolution images and data.

www.lunaimaging.com

Headquarters:

Luna Imaging, Inc., 2702 Media Center Drive, Los Angeles CA 90065, Phone: (323) 908-1400

Polopoly AB

Java-based tools for content management and personalization, intended for any internal or external communications such as Web sites, digital TV portals, mobile services, and intranet portals.

www.polopoly.se

Headquarters:

Polopoly AB, Kungsgaten 88, SE 112 27 Stockholm, Sweden, Phone: +46 8 506 782 00

Real Networks

An integrated media delivery platform for delivering live and on-demand streaming media to all types of networks.

www.realnworks.com/industries/education

Headquarters:

RealNetworks, Inc., 2601 Elliott Avenue, Seattle WA 98121, Phone: (206) 674-2700

Vignette Corporation

Intranet, extranet, and Internet solutions incorporate portal, integration, enterprise content management and collaboration capabilities.

www.vignette.com

Headquarters:

Vignette Corporation, 1301 South MoPac Expressway, Suite 100, Austin TX 78746, Phone: (512) 741-4300

Xythos Software, Inc.

Web-enabled document and content management applications.

www.xythos.com

Headquarters:

Xythos Software, Inc., One Bush Street, Suite 600, San Francisco CA 94104, Phone: (415) 248-3800

Chapter 3.

eLearning

Blackboard

Course development, eLearning, and collaboration tools. Includes the former WebCT product line.

www.blackboard.com

Headquarters:

Blackboard Inc., 1899 L Street NW, 11th Floor, Washington DC 20036, Phone: (202) 463-4860

CloverWorxs, Inc.

Knowledge management and eLearning tools.

www.cloverworxs.com

Headquarters:

CloverWorxs, Inc., 4411 Spicewood Springs Road, Suite 301, Austin TX 78759, Phone: (512) 826-5427

Illuminate

Tools for live Web conferencing and remote training.

www.illuminate.com

Headquarters:

Illuminate USA, 6301 NW 5th Way, Suite 3600, Ft. Lauderdale FL 33309, Phone: (954) 229-2622

ESSI Projects

Open standards-based distance eLearning and collaboration tools.

www.essiprojects.com

Headquarters:

ESSI Projects, Plaza Prim, 4-5 Principal, Tarragona 43001, Spain, Phone: +34 (0) 977 221 182

Jive Software

Open architecture products for collaboration and knowledge sharing.

www.jivesoftware.com

Headquarters:

Jive Software, 317 Southwest Alder Street, Portland OR 97204, Phone: (503) 295-3700

MindIQ

eLearning tools designed to allow novice users to quickly create Web-based training.

www.mindiq.com

Headquarters:

MindIQ Corporation, 7742 Spalding Drive, Suite 205, Norcross, GA 30092, Phone: (770) 248-0442

Moodle

Open-source course management system.

www.moodle.org

NETed Inc.

eLearning and knowledge management solutions provider catering to small and medium institutions. Provides online training, assessment, content management, and overall knowledge management systems.

www.benchmarkglobal.net/businessdivision.html

Headquarters:

Benchmark Online Pte Ltd., 10, Anson Road, # 10-07 International Plaza, Singapore 079903, Phone: +65 666 84374

Ping Pong AB

Learning management system including content and competence management functionality.

www.pingpong.se

Headquarters:

Ping Pong AB, Nybrogatan 25B, SE-114 Stockholm, Sweden, Phone: +46 8 566 280 00

Sakai Project

The Sakai Project is a community-source software development effort to design, build, and deploy a new collaborative learning environment for higher education.

www.sakaiprojecti.org

Sentient Learning

Provides a portfolio of eLearning solutions focused on the integration of learning technologies and the management of learning resources.

www.sentientlearning.com

Headquarters:

Sentient Learning, Two Penn Center Plaza, Suite 200, Philadelphia PA 19102, Phone: (800) 489-8937

Chapter 4.

Infrastructure

DeepNines Technologies

Integrated security solution to reduce denial of service attacks, worms, viruses, and other unauthorized access. Protects from the network down to the individual host.

www.deepnines.com/edu.php

Headquarters:

DeepNines Technologies, 14643 Dallas Parkway, Suite 150, Dallas TX 75254, Phone: (214) 273-6996

Sophos, Inc.

High-performance, multi-platform security protection for enterprise networks.

www.sophos.com

U.S. Headquarters:

Sophos Plc, The Pentagon, Abingdon Science Park, Abingdon, OX14 3YP UK, Phone: +44 (0)1235 559933

uPortal by JA-SIG

Open Source portal using Java, XML, JSP™, and J2EE™ developed collaboratively by several of the Java Architecture SIG member institutions.

www.uportal.org

Headquarters:

uPortal, c/o CONCENTRA Conference Management Services, P.O. Box 351989, Westminster CO 80035, Phone: (303) 404-0339

Chapter 5.

Libraries

Access Innovations, Inc.

Platform-independent software for controlled vocabularies, thesaurus creation and maintenance, and rule-based automated indexing.

www.accessinn.com

Headquarters:

Access Innovations, Inc., P.O. Box 8640, Albuquerque NM 87198, Phone: (505) 998-0800

Axiell Bibliotek AB

Formed by a merger of Axiell Biblioteksystem AB and BTJ AB, this Nordic library automation company provides the Book-IT library system and the TOR family of self-service machines.

www.axiell.se

Headquarters:

Axiell Bibliotek AB, Box 24014, SE-224 21 Lund, Sweden, Phone: +46 46 270 04 00

Endeavor Information Systems, Inc.

Advanced library management systems for research and public libraries to integrate ever-increasing electronic resources within their collections.

www.endinfosys.com

Headquarters:

Endeavor Information Systems, 2200 E. Touhy Avenue, Suite 200, Des Plaines IL 60018, Phone: (847) 296-2200

Ex Libris

High performance applications for libraries, information centers, and researchers.

www.exlibris-usa.com

www.exlibris.co.il

U.S. Headquarters:

Ex Libris USA, 200 S. Michigan Avenue, Suite 1200, Chicago IL 60604, Phone: (312) 386-1300

Fedora Project

Open source software for managing and delivering digital content developed jointly by Cornell University and the University of Virginia.

www.fedora.info

Headquarters:

Fedora Project Contact: rgrizzle@virginia.edu

Fretwell-Downing Informatics

Solutions for resource sharing, document delivery, OpenURL delivery and Web information portals for cross-domain search and retrieval.

www.fdggroup.com/fdi

Headquarters:

Fretwell-Downing Informatics, Brincliffe House, 861 Ecclesall Road, Sheffield S11 7AE UK, Phone: +44 (0) 0114 281 6040

Geac

Information management solutions, including the Vubis Smart integrated library system, for libraries and information centers of all kinds.

www.library.geac.com

U.S. Headquarters:

Geac Library Solutions, 100 Fifth Avenue, Waltham MA 02451, Phone: (781) 672-5900

Groxis, Inc.

Search technology provides federated access to all of the enterprise's information assets and presents topically organized results that make it easier for workers to discover and leverage quality information resources.

www.groxis.com

Headquarters:

Groxis, Inc., 30 Hotaling Place, Second Floor, San Francisco CA 94111, Phone: (415) 398-0820

Innovative Interfaces, Inc.

Integrated library system and other products for resource sharing, digital repository, and electronic resource management.

www.iii.com

Headquarters:

Innovative Interfaces, Inc., 5850 Shellmound Way, Emeryville CA 94608, Phone: (510) 655-6200

MuseGlobal, Inc.

Metasearch software and a suite of search, analysis, integration and management tools.

www.museglobal.com

Headquarters:

MuseGlobal, Inc., 4001 South 700 East, The Woodlands Tower 1, Suite 220, Salt Lake City UT 84107, Phone: (801) 208-1880

Ovid Technologies, Inc.

Journals, texts, and databases plus user tools for searching and navigation.

www.ovid.com

Headquarters:

Ovid Technologies, Inc., 333 Seventh Avenue, 20th Floor, New York, NY 10001, Phone: (646) 674-6300

SirsiDynix

Integrated library management systems, user interfaces, analytical tools, and digital media archive technology.

www.sirsidynix.com

Headquarters:

SirsiDynix, 101 Washington Street SE, Huntsville AL 35801, Phone: (256) 704-7000

The Library Corporation

Integrated library automation, collection development, and cataloging systems, including the Library.Solution and CARL.Solution product lines.

www.tlcdelivers.com

Headquarters:

The Library Corporation, Research Park, Inwood WV 25428, Phone: (304) 229-0100

VTLS, Inc.

Library systems, RFID technologies, and digital library products.

www.vtls.com

Headquarters:

VTLS, Inc., 1701 Kraft Drive, Blacksburg VA 24060, Phone: (540) 557-1200

WebFeat

WebFeat PRISM and WebFeat 3 federated search tools.

www.webfeat.org

Headquarters:

WebFeat, 3-1 Park Plaza, Old Brookville NY 11545, Phone: (888) 757-9119

Chapter 6.

Science and Engineering: Computational Biology

Accelrys, Inc.

Software for computation, simulation, and the management and mining of scientific data used by biologists, chemists and materials scientists for product design as well as drug discovery and development.

www.accelrys.com

Headquarters:

Accelrys, Inc., 10188 Telesis Court, Suite 100, San Diego CA 92121, Phone: (858) 799-5000

Elsevier MDL

Discovery informatics software solutions and services augmented by 400 Elsevier chemistry and life sciences journals and related products.

www.mdli.com

Headquarters:

Elsevier MDL, 14600 Catalina Street, San Leandro CA 94577, Phone: (510) 895-1313

Geospiza, Inc.

Geospiza combines IT and life science expertise to deliver genomics core labs a 21 CFR Part 11-compliant informatics platform for managing the production, analysis, and communication of DNA sequencing and genotyping data and results.

www.geospiza.com

Headquarters:

Geospiza, Inc., 100 West Harrison, North Tower, Suite 330, Seattle WA 98119, Phone: (206) 633-4403

INCOGEN, Inc.

INCOGEN, Inc. provides software and professional services to scientists involved in pharmaceutical, agricultural, and biotechnology research. The suite of INCOGEN tools assists researchers with every phase of design, development and implementation of their informatics infrastructures.

www.incogen.com

Headquarters:

INCOGEN, Inc., 263 McLaws Circle, Suite 200, Williamsburg VA 23185, Phone: (757) 221-0550

Oracle Corporation

Major database used in life sciences.

www.oracle.com/industries/education

Headquarters:

Oracle Corporation, 500 Oracle Parkway, Redwood Shores CA 94065, Phone: (650) 506-7000

Rosetta Biosoftware

Rosetta Biosoftware provides informatics solutions for life science research, empowering life scientists with analysis platforms for discovery research.

www.rosettabio.com

Headquarters:

Rosetta Biosoftware, 401 Terry Avenue North, Seattle WA 98109, Phone: (206) 926-1200

SAS Institute, Inc.

Statistics and specialized bioinformatics packages.

www.sas.com/govedu/edu/

Headquarters:

SAS Institute, Inc., 100 SAS Campus Drive, Cary NC 27513, Phone: (919) 677-8000

Spotfire, Inc.

Statistics and data visualization applications offer an interactive, visual approach to data analysis that allows users to see trends, patterns, outliers and unanticipated relationships in data.

www.spotfire.com

Headquarters:

Spotfire, Inc., 212 Elm Street, Somerville MA 02144, Phone: (617) 702-1600

Timelogic Corporation

TimeLogic hardware and software solutions for genomics research.

www.timelogic.com

Headquarters:

Timelogic Corporation, 1914 Palomar Oaks Way, Suite 150, Carlsbad CA 92008, Phone: (760) 431-1264, Ext. 4

Waters Corporation

Analytical technologies in liquid chromatography, mass spectrometry, and thermal analysis.

www.waters.com

Headquarters:

Waters Corporation, 34 Maple Street, Milford MA 01757, Phone: (508) 478-2000

Chapter 7.

Science and Engineering: Grid Computing

Altair Engineering, Inc.

A Distributed Resource Management (DRM) system, similar to Sun Grid™ Engine. PBS Pro is a workload management system for computational grids and wide area distributed computing.

www.altair.com

Headquarters:

Altair Engineering, Inc., 1820 E. Big Beaver, Troy MI 48083, Phone: (248) 614-2400

Cluster File Systems, Inc.

Makers of Lustre, a scalable high-performance cluster file system.

www.clusterfs.com

Headquarters:

Cluster File Systems, Inc., Suite E104-288, 4800 Baseline Road, Boulder CO 80303, Phone: (856) 583-0517

DataSynapse

GridServer and FabricServer products provide an adaptive grid infrastructure for distributed computing, creating a scalable service execution environment.

www.datasynapse.com

Headquarters:

DataSynapse, 632 Broadway, 5th Floor, New York NY 10012, Phone: (212) 842-8842

Globus Alliance

The Globus Alliance is a community of organizations and individuals developing fundamental grid technologies such as the Globus Toolkit, an open source software toolkit for building grid systems and applications.

www.globus.org

Headquarters:

Globus Alliance, c/o Argonne National Laboratory, 9700 S. Cass Avenue, Argonne IL 60439, Phone: (630) 252-2000

GridCore

Linux solutions for technical and scientific computing, makers of GC-Portal, GC-Distro, GC-Cluster. Supports Sun Grid Engine and Globus.

www.gridcore.se

Headquarters:

Gridcore AB, Aschebergsgatan 46, 411 33 Göteborg, Sweden, Phone: +46 (0) 31 18 21 60

GridLab

GridLab produces a set of application-oriented grid services and toolkits providing capabilities such as dynamic resource brokering, monitoring, data management, security, information, and adaptive services.

www.gridlab.org

Headquarters:

Poznan Supercomputing and Networking Center, ul. Noskowskiego 10, 61-704 Poznan, Poland, Phone: +48 61 858 20 00

Open Middleware Infrastructure Institute

OMII provides a Web service infrastructure for building grid applications.

www.omii.ac.uk

Headquarters:

Open Middleware Infrastructure Institute, Suite 6005, Faraday Building (B21), Highfield Campus, University of Southampton, Southampton SO17 1BJ UK, Phone: +44 (0) 23 8059 4506

Platform Computing, Inc.

Platform products enable applications to dynamically and intelligently share resources through self-management, guaranteed service, resource provisioning and workload management across a grid.

www.platform.com

Headquarters:

Platform Computing, Inc., 3760 14th Avenue, Markham, Ontario L3R 3T7, Canada, Phone: (905) 948-8448

SDSC ROCKS

A robust and very popular cluster management software, integrated with Sun Grid Engine.

www.rocksclusters.org/wordpress

Headquarters:

San Diego Supercomputer Center, UC San Diego, 9500 Gilman Drive, La Jolla CA 92093, Phone: (858) 534-5000

SDSC Storage Resource Broker (SRB)

A virtual platform for federated access to distributed data, including remote and dynamic data sharing, customized data collection and publication, and legacy data access and archiving. SRB is a product of the San Diego Supercomputer Center (SDSC), and is free for academic use.

www.sdsc.edu/srb

Headquarters:

San Diego Supercomputer Center, UC San Diego, 9500 Gilman Drive, La Jolla CA 92093, Phone: (858) 534-5000

Sybase Avaki

Sybase Avaki Enterprise Information Integration (EII) abstracts physical data sources and creates a single virtual layer, which application developers can use to access and alter multiple heterogeneous data sources more easily.

www.sybase.com/products/developmentintegration/avakieii

Headquarters:

Sybase, One Sybase Drive, Dublin CA 94568, Phone: (925) 236-5000

University of Wisconsin Condor Grid Project

Provider for the Condor product. Condor provides a single tool that can manage a cluster of dedicated compute nodes and effectively harness otherwise wasted cycles from idle desktop workstations.

www.cs.wisc.edu/condor

Headquarters:

University of Wisconsin, 716 Langdon Street, Madison WI 53706

Chapter 8.

Science and Engineering: High Performance and Technical Computing

Allinea Software

Parallel and high performance computing tools.

www.allinea.com

Headquarters:

Allinea Software, The Innovation Centre, Warwick Technology Park, Gallows Hill, Warwick CV34 6UW UK,
Phone: +44 (0)1926 623231

Cadence Design Systems

Application-specific kits and new-generation platforms of integrated design technologies and methodologies that address all aspects of electronics design.

www.cadence.com

Headquarters:

Cadence Design Systems, 2655 Seely Avenue, San Jose CA 95134, Phone: (408) 943-1234

GAMESS (Iowa State University)

The General Atomic and Molecular Electronic Structure System (GAMESS) is a general *ab initio* quantum chemistry package.

www.msg.ameslab.gov/GAMESS/GAMESS.html

Headquarters:

Iowa State University, 201 Spedding Hall, Ames, IA 50011, Phone: (515) 294-0452

Gaussian, Inc.

Commercial computational chemistry electronic structure package.

www.gaussian.com

Headquarters:

Gaussian, Inc., 340 Quinnipiac Street, Bldg. 40, Wallingford CT 06492, Phone: 203-284-2501

Livermore Software Technology Corp. (LSTC)

Makers of LS-Dyna, a general purpose transient dynamic finite element program capable of simulating complex real world problems.

www.lstc.com

Headquarters:

Livermore Software Technology Corp., 7374 Las Positas Road, Livermore CA 94551, Phone: (925) 449-2500

MSC Software

Provider of simulation tools for virtual product development to the aerospace, automotive, defense and other industry such as MSC.Nastran, MSC.Patran, MSC.ADAMS, MSC.Marc, and MSC.EASY5.

www.mscsoftware.com

Headquarters:

MSC Software Corporation, 2 MacArthur Place, Santa Ana CA 92707, Phone: (714) 540-8900

Numerical Algorithms Group (NAG), Inc.

NAG produces and distributes numerical, symbolic, statistical, visualization and simulation software for the solution of problems in a wide range of applications in such areas as science, engineering, financial analysis and research. NAG also has a complete portfolio of graphics and visualization software spanning 2D data representation to very high-end 3D visualization.

www.nag.co.uk

U.S. Headquarters:

NAG, Inc., 1431 Opus Place Suite 220 Downers Grove, IL 60515, Phone: (630) 971-2337

Parametric Technology Corporation

Product life cycle management, content management, and dynamic publishing solutions.

www.ptc.com

Headquarters:

Parametric Technology Corporation, 140 Kendrick Street, Needham MA 02494, Phone: (781) 370-5000

The Portland Group

Software compilers and tools for parallel computing.

www.pgroup.com

Headquarters:

The Portland Group, Two Centerpointe Drive, Suite 320, Lake Oswego OR 97035, Phone: (503) 682-2806

SAS Institute, Inc.

Statistical and analysis software.

www.sas.com/govedu/edu

Headquarters:

SAS Institute, Inc., 100 SAS Campus Drive, Cary NC 27513, Phone: (919) 677-8000

Scientific Computing Associates

Makers of parallel and cluster computing tools, including Linda and Paradise.

www.lindaspaces.com

Headquarters:

Scientific Computing Associates, One Century Tower, 265 Church Street, New Haven CT 06510, Phone: (203) 777-7442

Synopsys, Inc.

Electronic design automation software for semiconductor design. The company delivers semiconductor design and verification platforms and IC manufacturing software products.

www.synopsys.com

Headquarters:

Synopsys, Inc., 700 East Middlefield Road, Mountain View CA 94043, Phone: (650) 584-5000

Visual Numerics, Inc.

Technical software solutions for numerical analysis and visualization.

www.vni.com

Headquarters:

Visual Numerics, Inc., 12657 Alcosta Boulevard, Suite 450, San Ramon CA 94583, Phone: (925) 415-8300

Chapter 9.

School Solutions (Primary/Secondary Education)

Administrative Assistants Ltd. (AAL)

Student information systems for school districts and larger statewide implementations.

www.aalsolutions.com/home.asp

Headquarters:

Administrative Assistants Ltd., 880 Laurential Drive, Burlington ON L7N 3V6, Canada, Phone: (800) 668-8486

Century Consultants, Ltd.

Web-based student data management system, with portal and mobile access, financial and human resource data management, data mining and learning assessment.

www.centuryltd.com

Headquarters:

Century Consultants Ltd., 150 Airport Road, Suite 1500, Lakewood NJ 08701, Phone: (800) 852-2566

Cognos Corporation

Performance management software to track thousands of students and satisfy the *No Child Left Behind Act*.

www.cognos.com

Headquarters:

Cognos Corporation, 15 Wayside Road, Burlington MA 01803, Phone: (781) 229-6600

Edstructures, LLC

Provider of SIF (schools interoperability framework) enabling infrastructure technology for K-12 education.

www.edstructures.com

Headquarters:

Edstructures LLC, 891 W. Baxter Drive, South Jordan UT 84095, Phone: (877) 790-1261

Illuminate

Tools for live Web conferencing and remote training.

www.illuminate.com

Headquarters:

Illuminate USA, 6301 NW 5th Way, Suite 3600, Ft. Lauderdale FL 33309, Phone: (954) 229-2622

eScholar, LLC

Data warehouse solution designed specifically for K–12 education.

www.escholar.com

Headquarters:

eScholar LLC, 222 Bloomingdale Road, Suite 107, White Plains NY 10605, Phone: (914) 989-2900

Innovative Interfaces, Inc.

Integrated library system for K–12.

www.iii.com

Headquarters:

Innovative Interfaces, Inc., 5850 Shellmound Way, Emeryville CA 94608, Phone: (510) 655-6200

Lawson Software

HR and Finance administration solutions for K–12.

www.lawson.com

Headquarters:

Lawson Software, 380 St. Peter Street, St. Paul MN 55102, Phone: (651) 767-7000

Pearson Education

Media-rich content for schools, online assessment tools, and data warehousing for districts and statewide implementations.

www.pearsoneducation.com

Headquarters:

Pearson Education, One Lake Street, Upper Saddle River NJ 07458, Phone: (201) 236-7000

Oracle Corporation

School administration software.

www.oracle.com/industries/education

Headquarters:

Oracle Corporation, 500 Oracle Parkway, Redwood Shores CA 94065, Phone: (650) 506-7000

Plato Learning, Inc.

Computer based e-learning instruction for K–12.

www.plato.com

Headquarters:

Plato Learning, Inc., 10801 Nesbitt Avenue South, Bloomington, MN 55437, Phone: (800) 447-5286

Sadiel S.A.

Sadiel's Web-based educational services have been deployed in several thousands of schools in Spain, and can be adapted to fit the specific environment of most educational systems.

www.sadiel.es

Headquarters:

Sadiel S.A., Isaac Newton s/n Pabellon Sadiel Isla de la Cartuja, Sevilla ES 41092, Spain, Phone: +34 955 043 600

SAS Institute, Inc.

School administration software.

www.sas.com/govedu/edu

Headquarters:

SAS Institute, Inc., 100 SAS Campus Drive, Cary NC 27513, Phone: (919) 677-8000

SirsiDyNix

Integrated library system for K-12.

www.sirsidyNix.com

Headquarters:

SirsiDyNix, 101 Washington Street SE, Huntsville AL 35801, Phone: (256) 704-7000

SunGard

School administration software.

www.sungard.com/users/for_universities_and_colleges.htm

Headquarters:

SunGard Higher Education Solutions, 680 East Swedesford Road, Wayne PA, Phone: (800) 825-2518

The Library Corporation

Integrated library systems for K-12.

www.tlcdelivers.com

Headquarters:

The Library Corporation, Research Park, Inwood WV 25428, Phone: (304) 229-0100

Thinkronize

K-12 educational products that enhance teaching and learning with the Internet and standards-based online resources.

www.thinkronize.com

Headquarters:

Thinkronize, 15 Triangle Park Drive, Cincinnati OH 45246, Phone: (513) 731-4090

Vantage Learning

Online tools for assessment, scoring, reporting, instruction, curriculum development, and standards alignment.

www.vantagelearning.com

Headquarters:

Vantage Learning, 110 Terry Drive, Suite 100, Newton PA 18940, Phone: (215) 579-8390

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