

Brochure

sgi™

Linux® Training from SGI Global Education



Orchestrate your own success with Linux training from SGI Global Education.

SGI blends leading-edge technology with innovative course materials and on-site or online instruction for IT professionals looking for a flawless performance in the new world of Linux.

Why SGI?

SGI actively contributes to the Linux open-source community by providing hardware and software technology. The worldwide team of SGI educators works in harmony with up-to-the-minute Linux expertise to deliver real-world experience to customers. Members of the SGI Global Education team have published Linux reference texts and sit on the Linux Professional Institute Advisory Council. This knowledge works in concert to streamline the design and the implementation of high-performance, cost-effective solutions.

Courses are conducted at state-of-the-art SGI training centers located in most major business hubs in the world. Many SGI courses can also be delivered at customer sites, offering a cost-effective method for training larger groups.

Custom Learning Solutions

A well-trained workforce is critical to the success of your project and bottom line. SGI can help your organization with custom learning solutions for individuals new to Linux and experienced users alike. SGI delivers:

- Thorough needs assessment and job-based performance planning
- Transfer and reengineering of technological skills
- Client-specific application solutions
- Kernel-level programming courses

Coming Soon! Linux Self-Paced Training

If computer and online instruction fit your training needs and hectic schedule, SGI brings you solutions that are music to your ears. Web-based courses include LPI Certification Level I prep information:

- Introduction to Linux
- Linux System Administration
- Linux System Administration II

As courseware becomes available we will post class information on our Web site, www.sgi.com/support/custeducation.

Linux Certification

Linux is a new and rapidly expanding technology. Companies are looking for virtuoso performers to lead them with Linux implementations.

Communicate to employers that you are a Linux professional by being one of the first to obtain Linux Certification. SGI Global Education offers the curriculum and training necessary to prepare for the Linux Professional Institute's Certification examinations.

For more information on preparing for the Linux Certification examinations please call [800] 361-2621. An SGI consultant will create a personalized training plan that will prepare you for all levels of Linux certification.





Linux Curriculum

SGI is a recognized leader in technology and full-service solutions. Once again, our performance steals the show by offering the most comprehensive Linux curriculum in the industry. Our curriculum includes System Administration, Network Administration, Programming, and Security.

Linux Foundation

Linux for Decision Makers—Linux is a standing room only solution for business and technical needs. This half-day introduction keeps you in tempo with the Linux solution.

Introduction to Linux—This course covers basic commands, shell proficiency, filesystem navigation, and X Window System use and customization.

LPI Certification Level I Preparation Course

System Administration

Linux System Administration—This week-long course covers backups, filesystem and user account management, installation, printer administration, run levels, X Window System configuration, and more.

LPI Certification Level I Preparation Course

Linux System Administration II—This encore presentation explores the configuration of NFS, PPP, and Samba, memory and swap management, system logging and accounting. Also included in this training are management of kernel loadable modules, kernel rebuilding, introduction to networking, system debugging, core analysis, and Apache Web server configurations.

LPI Certification Level I Preparation Course

Linux Advanced System Administration—The integration and leveraging of the power of an open-source solution are key to your business. Advanced system tuning, troubleshooting, and customizing are covered. Included topics are multi-processor system management, advanced kernel reconfiguration, system auditing, and process management.

Linux High Availability and Clustering Administration—Configure and implement high availability in your servers. Learn to cluster many systems into a powerful supercomputing resource in this session. Failsafe™, RAID, and redundant networking topics are also covered.

Network Administration

Linux Network Administration—Networking is key in a department or an entire enterprise. The benefits of this classroom-environment training include the introduction of TCP/IP details as well as DNS, NIS, NFS, Samba, electronic mail, and DHCP.

LPI Certification Level I Preparation Course

Linux Network Administration II—The implementation of Ethernet switches, virtual LANS, and a discussion of WAN technologies such as ATM, cable, DSL, and Gigabit Ethernet, are covered in this tiered course. Advanced discussions of Internet/intranet routing, and network performance tuning and monitoring are also included.

Linux/IRIX®/Windows NT® Interoperability—This hands-on course focuses on integrating Linux, IRIX, and Windows NT operating environments. Account management, networking, network security, file sharing, printer sharing, data backup, recovery, and managing mixed environments are all discussed during this course. In addition, TCP/IP, SMB, NFS, and Samba are among the included topics.

Programming

Linux System Programming—Jazz up your operating system with the Linux ensemble of shell and C programming, development tools, sockets, and more. Practice makes perfect with interprocess and network communication using BSD and System V elements. Interface with the Linux kernel with POSIX-compliant system calls in this training.

OpenGL® on Linux—For application programmers who want to master platform-independent 3D graphics programming using OpenGL. This industry standard will deliver the basic requirements for OpenGL programming on Linux, IRIX, and Windows NT. Receive source code with make files for all three platforms.

Linux Curriculum continued

IRIS Performer™ on Linux—This course designed for application programmers developing real-time visual simulation. Maximize hardware performance on Linux or IRIX with IRIS Performer, and take home source code with make files for both platforms.

Linux/GNU Programming—Stay sharp in this course for experienced C/C++ programmers. Emphasized are GNU compilers and development tools in a Linux programming environment.

Security

Managing Linux Security—This lecture/lab course teaches students how to implement and use Linux security features and publicly available software to assist in protecting their computing environment. System and network administrators can enhance system and network security with cryptography, OTP, PAM, TCP_wrappers, and xinetd.

SGI Global Education also provides the following Linux courses to make your business sing.

C++ Programming for Linux—The key of C++ programming is in this object-oriented course. Examine abstract types, encapsulation, inheritance, and polymorphism, as well as the presentation of the C++ programming language as a tool to produce object-oriented programs.

Java™ Programming for Linux—Program with this object-oriented language designed for both portability and simplicity. Compose both stand-alone programs and applets capable of being run inside an HTML browser. Accompanying this training is an introduction to the JDK and Linux development environment.

Linux Device Drivers and Kernel Development—Designed for experienced programmers, this course provides a basic familiarity with the Linux kernel with an insight into device driver development for the Linux system. Other topics include kernel algorithms, hardware and memory management, modularization techniques, and understanding of the Linux architecture.

Linux GUI Programming for GTK+ and Gnome—Create GUI programs with Linux using the popular GTK+ toolset in this seminar. This hands-on programming course will give you a working knowledge of the most commonly used components of GTK+.

Linux GUI Programming for Qt and KDE—The popular Qt toolset with GUI programs in Linux is emphasized in this hands-on programming session. This performance-based course provides a working knowledge of the most commonly used components of Qt.

Linux Tools and Systems Programming—This fast-paced training is designed to familiarizing experienced programmers and developers with systems programming in a Linux environment.

Porting Windows NT Code to Linux—A detailed look at converting programs to the Linux operating system.



The SGI Education staff is currently composing the following future courses:

Linux Specific System Administration—This course is designed for the experienced IRIX System Administrator who needs Linux specific training. Topics from Linux System Administration and Linux System Administration II are included in this session.

Linux XFS™ Administration—The XFS journaling filesystem is important in the Linux lineup. This session details the fine-tuning in this Linux area.

Linux System Administration for Windows NT Administrators—Start your business on a positive note with this introductory course. This course provides the equivalent knowledge of Linux System Administration, but is designed specifically for Windows NT administrators.

LPI Certification Level I Preparation Course

Bash Shell Scripting—This lab-emphasized course is for intermediate Linux users. Practice customizing Bash shell login environments, and compose useful shell scripts to automate work.

Web Hosting on Linux Using Apache—Synchronize and maintain your Apache Web server and e-commerce site on Linux in this two-day course. Performance tuning, security issues, configuration, and maintenance are the foundation of this training.

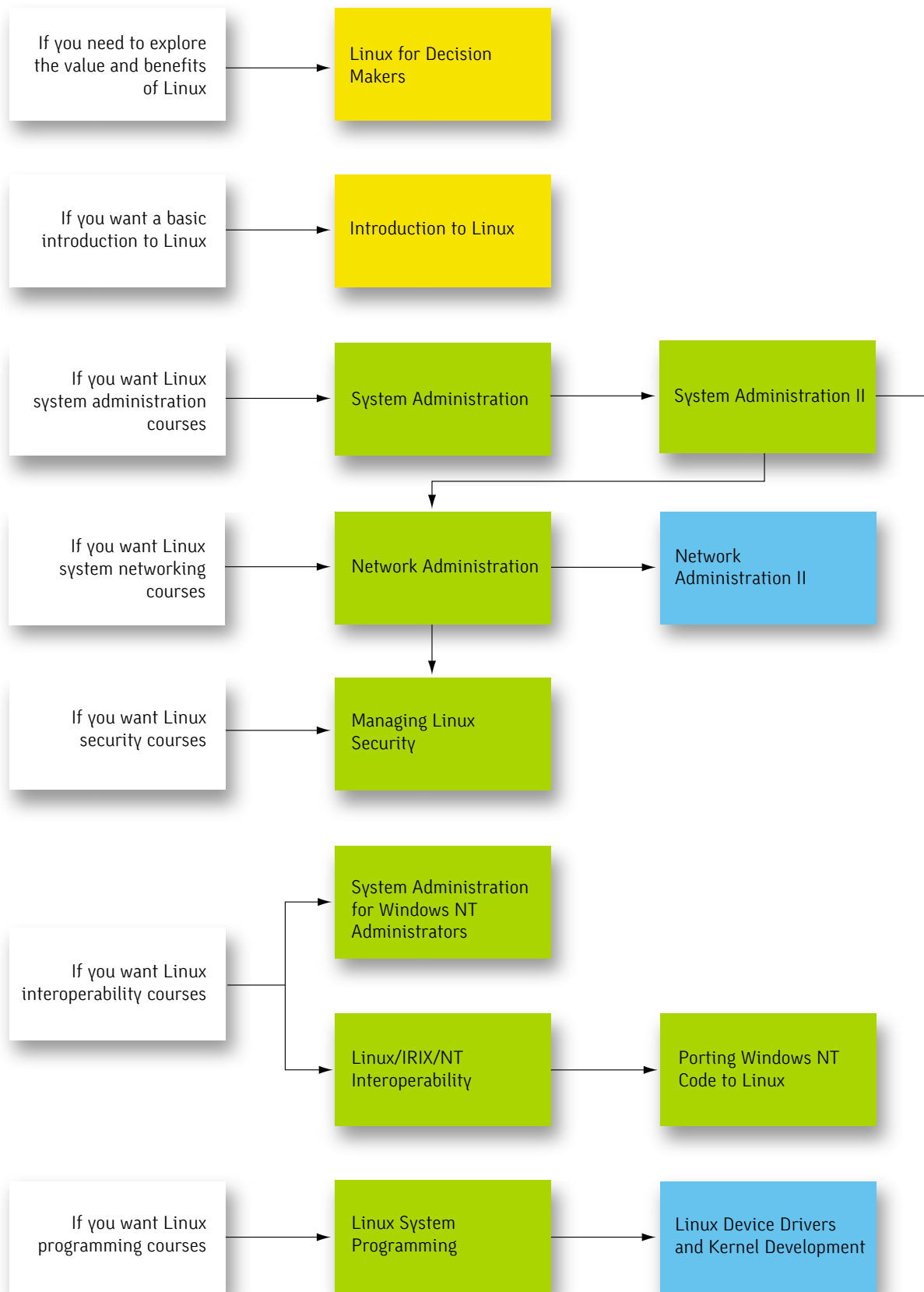
Building and Securing Your Internet Presence on Linux—Blend Internet/intranet topology on Linux. Build and maintain firewalls and DMZ systems such as Apache Web servers, e-commerce hosts, ftp and DNS servers, and more.

Firewalls and Perimeter Networks Using Linux—Prepare your business for the Internet wave. Secure your internal computing resources with Linux firewalls and protect your DMZ servers in this three-day course.



(800) 361-2621

www.sgi.com/support/custeducation



Linux on SGI.

Music to your ears.

Advanced System Administration

Linux High Availability and Clustering Administration



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Intermediate Courses

Advanced Courses

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