

WWDC 2008 IT Track Video Collection



Session	Name
100	Introduction to Mac and iPhone Development This session is designed for experienced developers who are new to Mac OS X and iPhone OS. Learn the fundamentals of the Mac OS X architecture and what makes a great Mac or iPhone application. Benefit from an orientation that will prepare you for further learning in the sessions on frameworks, APIs, and tools. Whether you are interested in creating applications for the growing Mac platform or mobile applications for iPhone and iPod touch, this is a must-attend session.
101	Getting Started with Mac OS X Administration Whether you're new to deploying Mac OS X or just need a refresher, learn why Mac OS X and Mac OS X Server are as easy to manage as they are to use. Discover a wealth of management tools and services that are at your disposal, explore management features unique to Mac OS X, and learn how the administration expertise you've already gained managing other platforms translates to Mac OS X management.
102	Integrating Your Organization's First Macs What strategies do you need to support your boss or a highly placed executive who requests that Macs be considered first-class citizens in your IT environment? Learn how to create a migration plan, prepare your users for the transition and handle technical integration issues from sysadmins who've managed both targeted and wholesale Mac transitions.
300	Mac OS X State of the Union
314	Java and WebObjects Overview Java and WebObjects are proven technologies used by small businesses and enterprises around the world, including Apple. Come see how Mac OS X helps you develop and deliver cross-platform Java applications and deployments. Learn what sets Java on the Mac apart as we tour the world of development, testing, polish, and deployment.
325	Safari and WebKit Overview: Features, Enhancements, and Open Source Development WebKit is a full-featured, open source, standards-based layout engine that powers the Safari web browser and other native applications on a variety of platforms. Discover the ongoing performance enhancements and advanced features that have been implemented in WebKit. Learn how WebKit fits into the Mac OS X system architecture, how WebKit development relates to Safari on iPhone and the desktop, and how to get involved with the WebKit Open Source community. This session is essential for anyone interested in web technology at WWDC.
328	Networking with Bonjour Bonjour is a key networking technology used in all of Apple's network products, from iMacs and MacBooks to AirPort Extreme, Apple TV and iPhone. Come find out how to use the Bonjour APIs to make your network application work with Back to My Mac and how to use the Bonjour APIs on iPhone and iPod touch to make amazing handheld network applications.
345	Managing Certificates for iPhone and Mac OS X Digital signatures and certificates provide enhanced levels of security, data integrity and trust in iPhone and desktop environments. Learn how to be your own certificate authority and generate digital certificates with tools and services built into Mac OS X. Discover how digital signing facilitates secure development and distribution of iPhone applications, identification of trusted applications and encryption of corporate email.
349	Creating Rich User Interfaces for Web Content in Safari The powerful, standards-based technologies available in Safari give you exceptional control over the look and feel of your web application on iPhone, Mac OS X and Windows. Learn how to position web content for increased visual appeal and create animated user interfaces using CSS3 transforms and transitions. Discover how to add depth and distinction to your web application with rich-text editing and CSS3 web fonts, and discover new and improved ways to style and interact with forms.

Session	Name
391	<p>Building an Advanced iPhone Web Application, Hands On</p> <p>Safari on iPhone provides a rich feature set, and Mac OS X includes a comprehensive set of first-class tools for web developers. Learn how to bring the two together as you walk through code step by step with Apple experts. Create a compelling iPhone web application that uses cutting-edge features such as DOM touch events and CSS animations and transforms. This session includes a prerequisite download.</p>
393	<p>Managing User Privileges and Operations with Authorization Services</p> <p>Discover how Authorization Services facilitates control of privileged operations, such as accessing restricted areas of Mac OS X and self-restricted parts of your application. Learn how to factor your application to perform privileged operations securely and how to use authentication and authorization plug-ins to customize your application's user experience for these operations.</p>
403	<p>Using Advanced AJAX Technologies in Safari</p> <p>Many modern web applications gather data from multiple sources and share that information with users. Discover new features in Safari and WebKit that enable secure and efficient data sharing across multiple domains. Learn to leverage other advanced web technologies such as XMLHttpRequest, postMessage, and querySelector to improve a web framework, add features to a web application, or invent the next great mashup.</p>
411	<p>Utilizing Offline Data in Safari</p> <p>Offline data capabilities in Safari open up new possibilities for web application design and data management. By combining SQL with standard HTML and JavaScript, novice and advanced programmers alike can store data persistently between sessions, save data locally before submitting it to a remote host, and enhance the overall user experience and functionality of their web applications.</p>
413	<p>Assigning Your Application an Identity with Code Signing</p> <p>Code signing in Mac OS X allows the Keychain and other operating system features to verify your application's ownership without prompting your users--even after you've updated your application. Find out how digitally signing your application ensures the integrity of your code and enables the system to recognize and alert users to unauthorized changes. Learn how to sign your applications, how signed applications work and how signing improves security and your customers' experience.</p>
421	<p>Introduction to Kerberos</p> <p>Every Mac OS X system includes a Kerberos KDC that plays a significant role in enabling ad-hoc Shared Computers, Back to My Mac and other Mac OS X features. For applications, Kerberos brings Single Sign On capabilities and allows them to take advantage of authentication methods included in Mac OS X, such as using .Mac certificates in lieu of passwords. Learn how Kerberos makes these features possible, and get some tips on adopting Kerberos into your own application.</p>
426	<p>Creating Ruby on Rails Applications for Safari on iPhone and the Desktop</p> <p>Discover why Mac OS X is the dream development platform for Ruby on Rails, a powerful and agile web development framework that comes bundled with Mac OS X Leopard. Learn to harness the power of Ruby on Rails to create unified, first-class web applications that are simple to deploy on Mac OS X Server and that display and perform exceptionally in Safari on Mac OS X, Windows, and iPhone.</p>
427	<p>Managing X.509 Certificates and Digital Identities</p> <p>Mac OS X and iPhone OS provide a host of technologies for creating, managing and using user X.509 certificates. Learn about the various APIs, services, repositories, interfaces and protocols associated with digital identity and how to make your application certificate-aware.</p>
435	<p>Configuring the Apple AirPort Interface</p> <p>The Apple AirPort interface is the means by through which a wireless networking connection is established. Learn how to detect the available wireless connections, obtain their signal strength and connection information, determine the type of security implementation for the connection, connect with a desired wireless base station, save the connection as a preferred connection for the future, and much more.</p>
447	<p>Maximizing Platform Compatibility of I/O Kit Drivers</p> <p>When writing I/O Kit device drivers, you need to support both PowerPC and Intel-based Macs, multiple operating system versions, and 32-bit and 64-bit address spaces, all from a single code base. Learn how to structure your driver and configure build settings to make this possible. Also learn how to use the Leopard user client APIs to enable communication between 64-bit applications and your driver.</p>

Session	Name
454	<p>Improving Responsiveness in Websites and Web Applications</p> <p>Great performance is an important component of any advanced website or web application, and is essential for content delivered to mobile devices like iPhone. Discover techniques and technologies for improving overall responsiveness. Learn how to minimize resource requests, streamline CSS, and use techniques such as image spriting to dramatically reduce page load time for your website or web application.</p>
500	<p>Mac OS X Server State of the Union</p> <p>Mac OS X Server ships with a wealth of powerful yet easy-to-use and configure services that make collaboration, system management and resource deployment accessible to organizations of all sizes. Come for a thorough overview of Mac OS X Server's host of features and advanced capabilities that can add value to your organization.</p>
501	<p>Integrating iPhone with IT</p> <p>The revolutionary iPhone is quickly becoming a leading choice of mobile professionals. Find out about configuring and deploying iPhone in your organization, learn techniques for development, configuration and deployment of native and web-based iPhone applications and discover how server-side technologies integrate with iPhone 2.0--all from the IT professional's perspective.</p>
504	<p>Deploying Network and Portable Home Directories</p> <p>Whether you've deployed a few MacBooks or have thousands of roaming users, you need to ensure that your users are working effectively and efficiently both online and offline. Learn valuable and practical techniques--from real-world IT experts--for planning, deploying and managing network and portable home directories in a hybrid environment.</p>
505	<p>Integrating iTunes U into Your Workflows and Infrastructure</p> <p>iTunes U is a powerful distribution system designed to deliver dynamic educational content to today's digitally-connected students. Learn critical details for leveraging in-house authentication mechanisms, techniques for integrating with existing campus services and workflows, and new features that make iTunes U easier than ever to manage.</p>
511	<p>Enterprise iPhone Management with Configuration Profiles</p> <p>iPhone configuration profiles make mass support of iPhones a snap. With configuration profiles, your organization can deploy account information, password policies, secure access settings, certificates and more--all within a single package. Get the details on the iPhone configuration profile file format, the breadth of managed services they support, your distribution options, Apple's profile creation tools and all details you need to create them within your own workflow.</p>
512	<p>Deploying the Mac in a Highly Secure Environment</p> <p>Macs deployed in government and other highly secured settings have unique requirements, from stringent security requirements to structured software approval processes. Discover tools, resources and strategies for configuring, deploying and managing Macs in a locked-down environment.</p>
514	<p>What's New for Podcast Producer</p> <p>Podcast Producer automates and streamlines the production of podcasts of your organization's lectures, training, and other presentations. You can capture high-quality audio and video to upload to podcasts, as well as encode, distribute, and publish podcasts for playback in iTunes and on iPod, iPhone, and Apple TV. Learn the new features that make Podcast Producer's architecture, security model, and workflows an even more compelling media distribution solution for your organization.</p>
515	<p>Best Practices for Tiger to Leopard Server Migration</p> <p>Improved directory services, enhanced collaboration tools and a revamped management suite are among the many compelling reasons to upgrade to Leopard Server. Discover best practices for smoothly upgrading your Tiger Server based environment with minimal downtime.</p>
516	<p>Sync Services: A Complete Tour</p> <p>The Sync Services framework provides data synchronization between Macs, mobile devices and the .Mac service. Get to know the APIs, tools, and techniques available to keep your application data in sync across multiple Macs and learn best practices for syncing Contacts, Calendars, and Bookmarks to iPhone. Master the art of designing a sync schema for your application, and find out how Leopard makes syncing effortless for Core Data applications.</p>

Session	Name
517	<p>Managing Clients and Preferences with Mac OS X and Leopard Server</p> <p>When deploying Macs in a managed environment, Leopard Server provides tools that let system administrators ensure only approved applications are launched, set important system preferences, and manage system resources on a per-user or per-machine basis. Come see how to use code signing to manage application access, find out how to auto-configure application and user preferences, and learn secrets and tips about managed preference attributes.</p>
520	<p>Deploying and Scaling iCal Server Calendaring Services</p> <p>Mac OS X Server provides a wealth of easy-to-set up and easy-to-use collaboration applications and services including iCal Server. iCal Server makes it easy to share calendars, schedule meetings, and coordinate events within a workgroup, a small business, or a large corporation. Learn which clustering, deployment, and management techniques to apply in your environment to ensure that calendaring services provided by iCal Server scale as your organization grows.</p>
525	<p>Cocoa Development Using Scripting</p> <p>Cocoa development isn't just for Objective-C programmers. Learn to create Cocoa applications using your favorite scripting language, whether it be Python, Ruby or AppleScript. In addition, find out how to control Apple Event-aware applications from Objective-C, Ruby, or Python through the Scripting Bridge. Come see how Mac OS X Leopard makes application development and interaction easier than ever, from a number of languages.</p>
533	<p>Customizing and Extending Leopard Server Wiki Server</p> <p>Wiki Server provides ready-to-use collaboration tools right out of the box. Learn how to tailor Wiki Server's built-in themes to include your organization's look and feel and how to extend out-of-the-box collaboration scripts to include your own web services.</p>
535	<p>Podcast Producer In-Depth</p> <p>Podcast Producer includes the tools and built-in workflows to automate publishing of podcasts to blogs, iTunes, iTunes U, or Apple TV. Learn how to create advanced workflows that leverage the powerful built-in graphic capabilities of Leopard and provide custom actions that are only limited by your imagination.</p>
540	<p>Deploying Podcast Producer</p> <p>Podcast Producer makes it easy for organizations of all sizes to create high-quality podcasts for playback in iTunes and on iPod, iPhone, and Apple TV. Hear about large-scale deployment best practices from the experts, and see compelling demonstrations of real-world Podcast Producer implementations.</p>
541	<p>Scripting for System Administrators</p> <p>Gain inspiration--and practical advice--from pragmatic Mac OS X system administrators who use Python, Scripting Bridge, Automator, AppleScript, Ruby and other technologies to automate their world, speed repetitive tasks and build highly useful tools.</p>
543	<p>Deploying Final Cut Server</p> <p>Final Cut Server is Apple's powerful new media asset management and workflow automation tool. Learn the best practices for deploying Final Cut Server. Discover how to configure the event-based response model to build complex workflows that can track job status, and monitor media changes, media delivery and archiving.</p>
549	<p>Extending and Troubleshooting Directory Services</p> <p>Directory Services lies at the heart of your organization since many services--including single sign-on, iCal Server, and Podcast Producer--rely on the resource information it manages. Discover tips from expert admins for configuring, extending, managing and troubleshooting your Open Directory and Active Directory infrastructure.</p>
550	<p>Integrating with Final Cut Server</p> <p>Final Cut Server provides powerful media asset management and workflow automation tools that you can easily integrate with other applications in your environment. Real-world examples form the basis of this session, including integration with Ruby on Rails to make a web-based Review and Approval site, and workflow customizations to streamline content delivery to Podcast Producer. Find out how to apply the techniques and expertise used in these examples to improve your system's features and functionality.</p>
552	<p>Unleashing Leopard Server Performance</p> <p>Leopard Server contains substantial performance enhancements designed to ensure that critical services remain responsive even under high utilization conditions. Get the details on how to maximize performance and enhance scalability of Leopard Server installations across a variety of workloads and configurations in your environment.</p>

Session	Name
557	<p>Infrastructure and Deployment Techniques for Large-Scale On-Demand Content Delivery with the Mac</p> <p>From showing live video to taking dinner orders, Macs make incredible interactive content delivery systems. Discover how Macs have been deployed to deliver thirty-two channels of live television, on-demand pay-per-view and other on-demand services. Discover infrastructure requirements and configuration secrets, and learn how to deploy Macs in challenging and unique environments.</p>
558	<p>Best Practices in Mac OS X Administration Panel</p> <p>Interact with a panel of administration experts to get real-world assistance for honing your Mac OS X administration skills and finding answers to your questions. Whether you are a beginning administrator or the most seasoned professional, gain insight on how other system administrators use Apple's Xserve, Mac OS X Server, Apple Remote Desktop, and Xsan to conquer their IT challenges.</p>
722	<p>Preparing and Delivering Video for iPhone, Safari, and Apple TV</p> <p>Learn how to prepare H.264 video content for optimal playback on iPhone, Safari, Apple TV, and other platforms. Find out which formats, resolutions, and bitrates are appropriate for WiFi or cellular networks. See how reference movies can help you service different clients with a single URL. Hear best practices for structuring your code and delivering your videos through Safari and in native applications using the iPhone SDK.</p>
724	<p>Introducing OpenCL</p> <p>OpenCL is a groundbreaking new technology that unleashes the blazing power of modern GPUs and multi-core CPUs for use by your application. See how OpenCL gives you full access to the computational capabilities of the Mac platform. Learn the details of the OpenCL architecture and discover its C-like language syntax and powerful built-in functions.</p>
727	<p>Advanced OpenCL</p> <p>Dive deeper into the practical applications of OpenCL to accelerate compute intensive tasks. Discover a variety of algorithms that can harness OpenCL to yield incredible performance gains. Understand the details of writing an OpenCL compute kernel, and get deeper insight into the specifics of the OpenCL execution model and memory architecture.</p>
736	<p>Extending and Integrating Post-Production Applications with Final Cut Pro</p> <p>The XML Interchange Format gives your video post-production application extensive access to the contents of Final Cut Pro projects. Understand how to use embedded metadata, data and media interchange, and AppleEvents for workflow enhancement, integration, and automation. Some familiarity with XML and QuickTime is suggested for this session.</p>
737	<p>FxPlug Development for Motion and Final Cut Pro</p> <p>The FxPlug architecture enables you to create extraordinary effects for use in Motion and Final Cut Pro. See what's possible with FxPlug and learn how to create your own GPU-accelerated plug-ins for filters, generators, and transitions. Understand the best practices for developing plug-ins targeting Motion, Final Cut Pro, or both. Go deeper into advanced topics with details of OpenGL usage and examples of methods to move existing code to FxPlug.</p>
739	<p>Extending Aperture with Image Editing Plug-Ins</p> <p>Aperture's extensible architecture makes it easy for photographers to integrate 3rd-party image editing plug-ins into their RAW workflow. Get introduced to the Edit API built into Aperture and learn how to develop your own plug-in to manipulate images and metadata within Aperture. See how to send metadata back to Aperture, completing the workflow loop.</p>
900	<p>Developer Tools State of the Union</p> <p>Apple's advanced developer tools are used by thousands of engineers to build Mac, and now iPhone applications. See Xcode, Interface Builder, and Instruments in action, demonstrated by the head of Apple's developer tools group and lead product engineers. Understand the vision that drives development on the Mac and iPhone, learn about the newest features, and hear the roadmap for building leading-edge applications into the future.</p>
902	<p>Using WebObjects to Build Powerful Web Applications</p> <p>Newcomers and veterans alike will enjoy this fresh perspective on modern WebObjects development. Watch Apple engineers and developer community members walk through the process of creating a powerful, interactive web application with WebObjects. Learn how WebObjects makes it easy to quickly develop and deploy scalable professional websites.</p>

Session	Name
903	<p>Introducing Address Book Server</p> <p>Address Book Server provides a centralized repository for sharing contact data across the organization. Learn the details of the open CardDAV specification and how Mac OS X Server's implementation simplifies centralized management, integration, and distribution of contact information.</p>
908	<p>Managing Mac OS X with Netboot, Managed Preferences and Apple Remote Desktop</p> <p>Apple Remote Desktop and the rich set of management tools in Leopard Server make a powerful combination for managing Macs on your network. Come see how these tools can be used in concert to manage a wide variety of deployment configurations in your organization.</p>
920	<p>Best Practices for Large-Scale Xsan 2 Deployments</p> <p>Xsan 2 is a major release that brings greater scalability, redundancy and searchability to your large-scale video and data deployments. Discover best practices for deploying Xsan 2 using your Fibre Channel backbone. Learn how to build a scalable storage area network (SAN) to support your video, podcasting, calendar and email server infrastructure.</p>
930	<p>Using DTrace on Mac OS X</p> <p>DTrace is a powerful software tracing tool introduced in Mac OS X Leopard, providing much of the data collection in the Instruments analysis tool. Learn how to interact directly with DTrace using command line tools. See how DTrace scripts can be used to understand the runtime behavior of an application, the kernel, or the entire system. A valuable session for all Mac OS X developers.</p>
938	<p>Creating Widgets with Dashcode</p> <p>Dashcode is a start-to-finish tool for building great Mac OS X Dashboard widgets in minutes. With elegant drag-and-drop design capabilities, reusable code snippets, and a powerful JavaScript debugger, Dashcode revolutionizes the widget development experience for beginners and experts alike. Get started with Dashcode and find out how to make the most of its design and debugging features. With these tools at your command, you'll be shipping polished Dashboard widgets in no time.</p>
939	<p>Performance Optimization Techniques using Intel Libraries</p> <p>Scaling the performance of your application to get the most out of a multi-core Mac requires an understanding of the various tools and libraries available at your disposal. Intel engineers will demonstrate, with the help of a real-world use case, how you can employ Intel's Threading Building Blocks and Intel Integrated Performance Primitives to achieve sophisticated and scalable applications on Mac OS X.</p>