

MacRetreats

Immerse Yourself in Mac Technology

Proudly Presents



The **Mac Networkers Retreat**

Lectures • Discussion Groups • Workshops

July 7-9, 2004 • University of California • Santa Barbara

THIS YEAR'S WORKSHOP SELECTIONS:

- ▶ Building Really Big Wireless Networks with Airport Extreme
- ▶ Mac OS X Server - Advanced Concepts and Administration
- ▶ Applied Network Management: Performance Tuning, VPNs, and Secure Protocols
- ▶ Cross Platform Authentication and Integration - Kerberos, Replicas, and Active Directory Integration
- ▶ Automation and Synchronization of Disks and Images
- ▶ The Beginners Course: Mac Administrators Bootcamp

Register online at www.macretreats.com

Dear Mac Network Professional

Part Summer School - Part Summer Camp: Network professionals from around the world will be gathering this July for the first ever Mac Networkers Retreat - and you are invited!

Held on the beautiful oceanside campus of the University of California at Santa Barbara, attendees will move into the dorms for three intensive days of technical discussions, training classes, lectures and labs about the state of the art in Apple network and IT technology.

In a world where technical people have 24/7 access to a multitude of information resources online, the value of getting together face-to-face can have more impact - but you have to do it right. We've designed The Mac Networkers Retreat to be a fun and immersive educational environment. Fun because the information is delivered in the best spirit the Mac community (factual and no holds barred) - in a location that is conducive to learning and educational networking, (one of the most beautiful college campus' in the country) The University of California at Santa Barbara on the shores of the Pacific Ocean. Immersive - well, we'll have over 10 hours of educational content to offer you each day. Here's what you can expect:

► Lectures

- Introduction of The Retreat Counselors
- Panel Discussions on the state Apple and Mac IT offerings and how it relates/competes with the rest of the industry
- Performance and security considerations - and how the G5, OS X Server and OS X technology measures up
- Stump the Band: Q&A with the Faculty - Get your Questions Answered

► Workshop Selections

- Building Really Big Wireless Networks with Airport Extreme
- Mac OS X Server - Advanced Concepts and Administration
- Applied Network Management: Performance Tuning, VPNs, and Secure Protocols
- Cross Platform Authentication and Integration - Kerberos, Replicas, and Active Directory Integration
- Automation and Synchronization of Disks and Images
- The Beginners Course: Mac Administrators Bootcamp

► Discussion Groups

- The Lost Art of Packet Analysis
- QuickTime Streaming Server Setup
- LDAP Discussion Group
- Samba Tricks and Deployment
- Backup Strategies
- Creating Neutered Administrators
- Product Show and Tell

Who Should Attend?

The Mac Networkers Retreat is designed for CIO/CTO's, IT Managers/Administrators, Executive Network Managers, Technical Staff, Network Consultants, Lab Managers, or anyone responsible for providing network services to an organization with fifteen or more Macs. The Mac Networkers Retreat will provide an opportunity for these professionals to immerse themselves in three days of training courses and interactive discussions on state of the art techniques for deploying Apple networking products.

Counselors

Michael Bartosh
4AM Media

Alan Oppenheimer
Founder & President, Open Door Networks

Dave Pooser
IS Manager, Alford Media

Schoun P Regan
CEO, The Mac Trainers

Joel Rennich
Co-Founder, AFP548.com

Kevin White
Mac OS X Training Specialist, The Mac Trainers

Bill Wiecking
Education Manager, Maui High
Performance Computing Center

Tom Yager
Test Center Technical Director and Columnist,
InfoWorld Magazine

Questions?

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Browse <http://www.macretreats.com>

Santa Barbara

Located just off scenic Highway 101 between San Francisco and Los Angeles, Santa Barbara has been dubbed the California Riviera. It is known around the world for its breathtaking natural beauty, its rich Spanish history and world-class modern amenities from shopping and dining, to wine-tasting and the performing arts. So whether it's beaches or mountains you're looking for, fine dining or theater, Santa Barbara has something for you! Beautiful, easygoing, basking in year-round sunshine, beach side Santa Barbara is the hub of a large and spectacular coastal California county, and the location we chose for our first ever Mac Networkers Retreat. We hope you'll join us!

ALL
INCLUSIVE
PRICING!

REGISTER BY
JUNE 4
SAVE \$100!

One Low Price Covers Tuition, Housing and Meals - A Great Value!

Re-live your college dorm days with our all-inclusive registration package! We've teamed up with UC Santa Barbara to offer our attendees a package that includes the three days of Mac Network education & training, housing in the university residence halls **and** all meals for one low price of \$795! Plus, if you register before June 4 you will save \$100! Register today online at <http://www.macretreats.com>

PACKAGE INCLUDES:

- TWO DAY WORKSHOP
- ALL LECTURES
- DISCUSSION GROUPS
- MAC NETWORKERS RETREAT CD
- ON CAMPUS ACCOMMODATIONS
- ALL MEALS

Workshop Overviews

W1

Building Really Big Wireless Networks with Airport Extreme

Counselor: Bill Wiecking - Education Manager, Maui High Performance Computing Center

Wireless networking is changing the way we use computing resources at home and at work. Learn how best to design, install, and administer wireless networks at home, office, or for large campuses. You will be guided on the best way to run a wireless network, as well as how not to run one, covering wireless security issues, and cutting-edge methods to make your network safe, secure, and reliable. Recent issues involving privacy and hacking have brought many of these issues to light, yet still 80% of most wireless networks lack even the most basic privacy options.

You need not be an expert to gain from this workshop, but you will probably feel like one afterwards.

We will begin with wireless basics, including the physical nature of the radio waves used, and how to deal with coverage and other design issues. We will follow with sample setup scenarios, so that you can adapt what we are learning to your specific needs.

We'll then cover administration and the tools necessary to detect other networks, as well as how to wisely modify your own network. Day two will begin with wireless security, seen first from the "white-hat" side, then from the dark side, covering the alphabet soup of WEP, WPA, VPN and other means to secure your clients.

We'll finish with advanced topics, such as long distances (up to 40 miles), roaming, WDS, and remote base stations.

Interoperability will be a consistent topic throughout, so you will be able to support all clients, and allow many wireless products to co-habitate on your network. The only requirement for this course is a basic network proficiency, although bringing your laptop is highly recommended.

Course Highlights:

- **Wireless Basics**
- Wired vs wireless
- Uses/Pros and cons
- What is desirable/possible?
- Radio fundamentals
- **Wireless Setups**
- Common scenarios-SOHO
- Wireless campus
- Remote repeaters using WDS
- Design considerations
- Layout
- Users
- DHCP vs fixed IPs
- **Survey Work**
- How well did your network installation come out?
- Wireless survey tools
- Interference: physical and logical
- **Wireless Security Basics**
- How secure is your network?
- How secure do you need it to be?
- Wireless scanners: the dark side
- **Wireless Security Advanced**
- WAP, WEP, and other security steps
- VPN and tunneling with OSX Panther server
- **Wireless Extreme**
- Long distances (up to 40 miles)
- Many many clients (e.g. college campuses)
- Interoperability with other systems
- Interoperability with other vendors
- **Advanced topics**
- The future of wireless
- How to be prepared

W2

Mac OS X Server - Advanced Concepts and Administration

Counselor: Schoun P Regan - CEO, The Mac Trainers

This workshop focuses on understanding how to setup, manage, and use Mac OS X Server 10.3. This is an intense seminar that covers how Mac OS X Server functions, and then builds on that foundation. Moving to Mac OS X Server requires knowledge of how to setup and maintain the various built-in services. Attendees will learn how to manage an upgrade from AppleShareIP to Mac OS X Server, installation options, networking setup including security settings and DHCP setup. We'll also cover how to create network directories to better manage user, groups, and computer lists and what is needed to setup and maintain print queues and web servers. Day two covers the setup of sharing directories over multiple protocols so both Mac, Windows, and UNIX clients can retrieve files and folders from Mac OS X Server and the setup and management of the mail server. We conclude day two with preference management and a look at NetBoot and Network installations, and how to accurately monitor your server and clone your database for redundancy and security.

Course Highlights:

Learn how to enable and manage the services Mac OS X Server has to offer such as file sharing services, user and group setup and management, DHCP, and preference management.

- Transitioning from other servers and installation
- Networking and directory setup
- Security and network directories
- User, group, and computer list setup
- Wireless security advanced
- Print services
- File sharing setup
- Web and mail server setup
- Computer list preference management

W3

Applied Network Management: Performance Tuning, VPNs and Secure Protocols

Counselor: Joel Rennich - Co-Founder, AFP548.com

Network issues stopping your workflow? Turn your network into a network. Learn when and why to use Network Utility, command line utilities, the Network pane of System Preferences, the Sharing pane for Mac OS X, and Workgroup Manager for OS X Server to properly setup and troubleshoot your network. Particular attention will be paid to the setup, management, and proper implementation of DNS. We'll also cover a basic overview of routing and NAT.

This workshop will cover an overview of VPN technologies currently available to OS X users including using hardware VPN routers and various software clients to connect to mixed platform networks. We'll also cover the configuration and use of the built-in VPN server included with OS X Server 10.3. You'll learn how to set up the server to provide the best use of your bandwidth and also how to configure both OS X and Windows clients to use it.

Feeling insecure? Want to keep your secrets safe? This workshop will also provide an overview of security technologies that will allow you to lock down your OS X and OS X Server machine as much as possible. You'll learn how to create your own SSL certificates and protect your communications with the server, how to securely remotely manage your system and how to detect if someone has intruded on your space using a variety of UNIX and software tools for both network audits and packet analysis.

Course Highlights:

From Virtual Private Networks to packet analysis, learn how to secure both your machine and your network against intrusions, attacks, and spoofing by the use of certificates, UNIX commands, and software tools.

- Network troubleshooting
- DNS, DNS, DNS
- Routing and NAT
- General VPN overview
- VPN options on OS X Server
- Network to network VPN setups, including hardware solutions
- SSL
- Port scanning and packet sniffing

READ THE DETAILED COURSE SYLLABUS ONLINE AT WWW.MACRETREATS.COM

Workshop Overviews

W4

Cross Platform Authentication and Integration - Kerberos, Replicas, and Active Directory Integration Counselor: Michael Bartosh - 4AM Media

Directory services in recent years have evolved to become a very central component in IT systems. In keeping with this trend, Apple has made directory integration a very important part of Mac OS X- so important that an understanding of directories and Apple's place in them is vital to the day to day system administration of Mac OS X. Cross Platform Authentication and Integration will provide the attendee with a complete exposure to Open Directory- Mac OS X's directory services architecture. From a protocol-level analysis of its services to a high level understanding of cross platform directory deployments, this in-depth presentation will lay the groundwork for integration into any directory environment. Specific topics include LDAP, Kerberos, Open Directory Server, Active Directory, eDirectory and SunOne integration, Mac OS X Server in the heterogeneous environment, and support of Windows and Unix clients.

Course Highlights:

Directory services are tantamount to managing multiple systems effectively. Learn proper techniques for directory services management.

- Intro to Directory Services and Authentication
- Open Directory in Mac OS X
- Mac OS X Active Directory
- Identification in Mac OS X Server
- Authentication in Mac OS X Server
- Replication in Mac OS X Server
- Windows Integration: Mac OS X Server
- UNIX Integration into Directory Services

W5

Automation and Synchronization of Disks and Images Counselor: Dave Pooser - IS Manager, Alford Media

Initial system imaging is only half the battle. Creating a good initial image is important, but as time passes changes will have to be made; new applications will have to be installed or uninstalled, printers will be added and removed, and network configurations may need to be changed, without the disruption that comes with a ground-up re-imaging of the computer. This workshop will focus on the use of disk images and Apple Remote Desktop to manage multiple Mac clients without relying on a central server or Workgroup Manager infrastructure, while reducing your time invested, budget impact and frustration level.

This session will follow the life of a disk image from initial creation through various customizations. We'll begin by preparing the master system for imaging and creating the disk image, using Apple and third-party tools. From there we'll discuss common network administration tasks such as installing and removing applications, adding and removing printers, and changing network configurations using Apple Remote Desktop in combinations with shell scripts, AppleScripts and Apple's free PackageMaker utility. Additional topics will include using PackageMaker to create packages from non-standard installers for remote installation across the network, running scripts with root privileges on multiple computers simultaneously, and use of post-flight scripts to further customize applications.

Course Highlights:

Learn how to manage multiple, complex, customized images for mass deployment while simultaneously reducing redundancy, increasing efficiency, and creating post flight scripts for individual workstations.

- Designing the initial system image(s)
- Creating images using Disk Utility and Carbon Copy Cloner
- Installing packages remotely using Apple Remote Desktop
- Using PackageMaker to create customized packages
- Converting proprietary installers to .pkg files
- Pushing configuration changes simultaneously to multiple computers
- Using post-flight scripts to customize applications
- Creating script-only packages to simultaneously run scripts on multiple systems

W6

The Beginners Course: Mac Administrators Bootcamp Counselor: Kevin White - Mac OS X Training Specialist, The Mac Trainers

Mac OS X presents a unique opportunity for System Administrators. Should you deploy Mac OS X with an Administrator account or just User accounts? How do you set up a "neutered" Administrator? How does Mac OS X really work? What are the best tips and tricks for System Administrators? Attending this two-day conference will provide you with the answers you seek. Understanding the core concepts behind Mac OS X will enable System Administrators and managers to achieve greater flexibility when deploying Macs within their environment. Our goal is to provide you with the information to make wise decisions about your Mac OS X deployment, management, and support. Skill level aside, everyone will walk away from this workshop a better user, support staff personnel, and administrator.

Course Highlights:

- Transitioning to Mac OS X
- Account Management
- System Layout
- Network Support
- Open Directory
- System Configuration
- Fonts, Printing, and CUPS
- UNIX on Mac OS X -- What You MUST Know
- Troubleshooting and Support Essentials

Discussion Groups

We've designed The Mac Networkers Retreat to be an immersive meeting experience - we cram as much as we can into your time with us, so the education doesn't stop when the sun goes down! There will be a wide variety of topics to choose from. Some product developers will be on hand to do informal show and tell's of their latest releases. These informal gatherings give you the opportunity to ask questions of the experts and to trade tips and techniques with other attendees who may be implementing solutions similar to yours. This is where social networking meets computer networking!

MacRetreats

Immerse Yourself in Mac Technology

MacRetreats are hosted and produced by **Mactivity, Inc.**, a full-service event consultation, production and management company that has been producing Mac specific technology events since 1988. In the last decade and a half we have earned a reputation for providing high-quality training to Mac professionals across the country and around the world. From corporate Mac networking seminars and the Mactivity line of conferences and trade-shows to the QuickTime Live conference, Mactivity has remained in tune

with the Macintosh industry and the needs of IT professionals that integrate Macs as part of their corporate computing solution. MacRetreats is our latest line of Mac Technology events. The goal of our retreats is to foster education by bringing together, in a relaxed setting, a technology specific community of end-users, industry experts and third-party developers. So...we invite you to immerse yourself in Mac Networking Technology this summer as we launch our flagship event on the beautiful campus of the University of California in Santa Barbara. We hope you'll join us!

Register me for The Mac Networkers Retreat

1 Contact Information

Name: _____

Title: _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Country: _____

Phone: () _____ Fax: () _____

Email: _____

2 Workshop Selection

- W1:** Building Really Big Wireless Networks with Airport Extreme *Bill Wiecking*
- W2:** Mac OS X Server - Advanced Concepts and Administration *Schoun P Regan*
- W3:** Applied Network Management: Performance Tuning, VPNs, and Secure Protocols *Joel Rennich*
- W4:** Cross Platform Authentication and Integration - Kerberos, Replicas, and Active Directory Integration *Michael Bartosh*
- W5:** Automation and Synchronization of Disks and Images *Dave Pooser*
- W6:** The Beginners Course: Mac Administrators Bootcamp *Kevin White*

3 Payment Method

Payment must be in United States dollars by check, money order, or credit card. Authorized signature and billing address must be included for credit card payments.

All-Inclusive Registration Fee:

- \$695 Submitted by June 4
 - \$795 Submitted after June 4
- Enclosed is a check made payable to **Mactivity, Inc.**
- Please charge my: VISA Mastercard AMEX Discover
- Name on Card: _____
- Card Number: _____ Exp: _____
- Billing Address: _____
- City: _____ State: _____ Zip: _____
- Signature: _____

Registration Fee Includes

The all-inclusive registration package includes:

- Your selected two-day workshop
- All Lectures
- Discussion Groups
- Mac Networkers Retreat CD
- Housing in the university residence halls on Wednesday and Thursday
- All meals beginning with lunch on Wednesday through lunch on Friday



Registration Submission

Visit: www.macretreats.com
Call: (360) 883-2239
Fax: (775) 354-2316
Mail: MacRetreats
6700 NE 162nd Ave, Ste 611-137
Vancouver, WA 98682

Cancellations & Refunds

Cancellations must be made in writing from the original delegate, mailed to our offices at 6700 NE 162nd Ave, Suite 611-137; Vancouver, WA 98682 and postmarked no later than June 1, 2004 to be eligible for refund. A \$50 administrative fee will be applied to all paid refunds. No refunds will be made for cancellations postmarked after June 1, 2004. Requests to substitute a delegate can be made at any time, but must be in writing from the original delegate and received at our office at the above address no later than July 2, 2004. After that date, please bring written requests for substitution to the event. MacRetreats reserves the right to amend or cancel the date, time and location of an event at any time. In the event a retreat is cancelled, the customer is entitled to a full refund of the cost of the retreat. MacRetreats shall not be responsible for any other loss incurred by customer as a result of a cancellation or amendment.

The
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Retreat**

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Vancouver, WA 98682

