+Tutorials Track+

Tutorials are given July 18, from 9:00am to 4:00pm. By devoting a full day to to one topic, you'll gain more in-depth knowledge than a ninety-minute session can provide. The tutorials are rated from beginning to advanced to help you choose the best course for you. Each tutorial includes a presentation workbook for you to take notes in and use as a reference tool. All tutorials include a break for lunch.

**Help! I'm New to Mac Networking**
Level: Beginning
Instructor: Leon Ablon,
President, Ablon Associates

If you're one of the many people who's been knighted network administrator of a small to medium sized Mac network, and you don't have any background or you've been doing it for a while with no formal training, this course is ideal for you. The class is designed to get you on track and provide you basic skills in the worlds of AppleTalk and Macintosh networking.

What you learn:
•What services a Mac network can offer; what comes with every Mac and what extra things you should consider buying
•A basic networking terminology so you can more effectively communicate about your network with consultants, dealers and vendors
•A fundamental understanding of how Mac networks work and the key things to know about maintaining and expanding a small to medium Macintosh network or workgroup.

Who should attend: People new to the Macintosh and networking, but are responsible for maintaining a Mac network; anyone who wishes to improve their fundamental understanding of AppleTalk; people seeking an introductory experience of how networks operate in general and how Mac networks function specifically.

**Backup Strategies**
for Network Servers
Level: Beginning/Intermediate
Instructor: Dorian Cougias,
President, Network Frontiers

This course provides network administrators with the fundamentals and practical applications of managing network backups, archives and restoration processes. Students learn the advantages and disadvantages of different types of backup media, such as hard drives, optical drives and tape mechanisms.

What you learn:
- How to create a backup and archival plan that works
- Which media is best for your network
- How to plan for backup capacity and throughput for LocalTalk and Ethernet networks

Who should attend: Network administrators, managers and support personnel who need to understand the planning and execution of network backup and archival strategies

**Collaborating with Power!**
PowerTalk and PowerShare
Level: Beginning/Intermediate
Instructor: TBA

Apple's collaborative computing products PowerTalk and PowerShare offer many features to help workgroups communicate seamlessly and be more productive. With built-in mail and messaging, directory services and security features, these products can bring a new level of productivity to small workgroups. Attend this tutorial and see the power that collaborative computing can bring.

What you learn:
- Installation and configuration of PowerTalk Clients and PowerShare Servers
- How to maximize PowerTalk/PowerShare's mail and
- messaging features and how to integrate existing electronic mail systems
- How to create and customize Catalogs
- How, why and when to use digital signatures

Who should attend: Administrators of small to medium size Mac workgroups evaluating PowerTalk and PowerShare; existing administrators of PowerTalk/PowerShare wishing to expand their knowledge of the applications of these products.

**Designing AppleTalk Networks**
Level: Intermediate
Instructor: Greg Wong,
President, Trad III

After you install a simple Macintosh network, it is important to understand how AppleTalk works in order to expand your network in a manageable fashion. This intermediate level seminar gives you the details of AppleTalk's inner workings and teaches you how to apply this knowledge to your network design.

What you learn:
- AppleTalk internal basics: how csma/ca works, nbp, zip and AppleTalk's naming and addressing schemes
- AppleTalk Phase 2: the design criteria and considerations for Phase 2 networks and how to plan a migration strategy
- Integration Basics: how to get Macs connected into other environments like decnet, TCP/IP or NetWare

Who should attend: Intermediate level network professionals who have experience with basic installations and seek a greater understanding of AppleTalk internals.

**Putting the Mac into**
**Client/Server Environments**
Level: Intermediate
Instructor: David Beaver,
President, The Automation Group

Client/server technology is revolutionizing the way we all manage data in the 1990s. By combining the user interface of the Mac with the data processing horsepower of a minicomputer, there is no limit to the amount of data a Mac user can access. But there's a whole new art to making this technology work. This session provides an in-depth look at the issues, choices and pitfalls of client/server development.

What you learn:
- Where client/server makes sense
- Choices in hardware and software
- Which development tools are best for the job
- Application development tricks and traps

Who should attend: MIS and network managers, mainframe programmers and database developers evaluating client/server for their environment.

**Digging for Gold:**
A Prospector's Guide to the Internet
Level: Intermediate
Instructor: Tom Scott, Systems Manager,
Cornell University College of Engineering

The Internet hosts millions of computers and users the world over. Participants from educational, commercial and governmental institutions are currently sharing a wealth of information. Information from any field of interest, whether professional or recreational, is on the Internet; the trick is knowing how to find it. There are many tools and services available to help you mine for the precious nuggets of information that could benefit you. The Internet is a virtual gold mine of information; a veritable treasure trove for the mind. Join us for this journey into the Internet community and explore resources that are especially geared for Macintosh users as well as network administrators.

What you learn:
•How to tap the collective expertise of the Internet by subscribing to one of thousands of electronic forums, using simple email
•Converse with the Usenet community using Network News
•Telnet to remote sites and access a variety of informational databases
•Explore ftp sites and burrow into Gopher holes to find files, documents and other colleagues' email addresses
•Master the use of Internet search tools like Archie and Veronica to extend the power of Gopher and ftp to easily locate files
•Explore the World Wide Web and its hypertextual links to documents, sounds, graphics and even QuickTime movies, all across the Internet.

Who should attend: This course is well suited for both people looking to get started navigating the Internet (but don't know where to begin) and current Internet users looking to enhance their ability to use the Internet as an informational resource. Live demonstrations are a part of this presentation.

**Mac to UNIX and TCP/IP Networking**
Level: Intermediate
Instructor: Vernon Keenan,
President, BioData, Inc.

This is a comprehensive tutorial on accessing unix and TCP/IP networks with your Macintosh. This seminar presents the often confusing world of unix commands and TCP/IP services in a clear, concise manner. It is ideal for Macintosh networkers looking to get started with Mac to UNIX and TCP/IP integration tasks.

What you learn:
- •Mac to unix connectivity options: MacTCP, MacIP, IPTalk, kip, telnet, ftp and snmp
- •How to implement terminal emulation, database, file and print services
- •The hardware and software building blocks needed to create these networks

Who should attend: Macintosh network managers wishing to make the connection to unix and TCP/IP. Basic familiarity with Mac network operation and services is helpful. No prior experience with unix or TCP/IP is required.

**Troubleshooting AppleTalk Networks**
Level: Advanced
Instructor: Kurt VanderSluis,
President, The Network Group

What do you do when all of your hunches are exhausted and your network problem is still not fixed? Let the coauthor of Troubleshooting Macintosh Networks teach you a powerful and organized system to tackle all kinds of troubleshooting problems. You learn how to customize your approach to the type of problem that you're facing with five distinct troubleshooting modes. We show you how management tools from TDRs to protocol analyzers can be used in each mode for maximum effectiveness and fastest results. You see how to get that last drop of information from a
tool that helps you locate and remedy the most challenging problems. Bring the details of your current AppleTalk problems to this class and we'll help you make the breakthrough you need to find your solution.

What you learn:
- Evaluation techniques to help you choose the best method of approach for your troubleshooting problems
- Which management tools to use and how to use them effectively
- Case histories of troubleshooting adventures
- How to find and use public information resources to avoid reinventing the wheel

Who should attend: Intermediate to experienced network managers wishing to improve their troubleshooting skills and programmers needing a better understanding of real-world AppleTalk behavior.