Microsoft®
Windows NT™ Server
Professional Developers Conference

Washington State Convention and Trade Center
800 Convention Place
Seattle Washington 98101
January 18-20, 1995

Guide to Presentations

Day One: Wednesday, January 18

General Sessions

Time	Session Title	Speaker	Presentation Name
8:30-8:45	Welcome/Introduction	Brian Moran	`moran251.ppt`

8:45-9:30	Windows NT Server PDC	Bob Muglia	`mugli251.ppt`
			`bloun251.ppt`
			`coffl251.ppt`
			`moore251.ppt`

9:30-10:30	Windows NT Server Applications - A Roadmap	Dave Thompson	`thomp251.ppt`
11:00-12:00	Fundamentals of Great Server Applications	Mark Lucovsky	`lucov251.ppt`
1:00-2:00	High Performance Windows NT Applications	John Vert	`vert251.ppt`
2:00-3:00	Performance Analysis Tools	Reza Baghai	`bagh2251.ppt`
3:30-5:30	Writing and Debugging Win32™ Services	Richard Ward	`ward2251.ppt`

Evening Event

6:30-9:30pm	**Reception Sponsored by Motorola at The Pacific Science Center- shuttle service will begin at 5:45 and will depart from WSCTC and The Sheraton Hotel and Towers, this will run continuously until 9:30.**

At the Pacific Science Center, you will have the opportunity to talk with Motorola and the Microsoft Windows NT developers on the following topics (please note signage at the PSC directing you to these areas)

- **Motorola Guru Session**
- **Dave Cutler Guru Session**
- **Base Guru Session**
- **Networks Guru Session**
- **OLE/RPC Guru Session**

Session Abstracts - Day One Wednesday, January 18

General Sessions

Windows NT Server PDC
8:30-9:30am

This session will describe the release plans for Windows NT, including an overview of BackOffice. Included in this presentation are three demonstrations of Windows NT Server applications.

Windows NT Server Applications - A Roadmap
9:30-10:30am

This session is the roadmap of what is important to learn during this conference. It ties all the other sessions together.

Fundamentals of Great Server Applications
11:00-12:00pm

This session describes the facilities in the base system that make Windows NT an attractive platform for high performance, scaleable, multi-threaded server applications.

High Performance Windows NT Applications
1:00-2:00pm

You will learn how to use advanced Windows NT features to create high-performance, scaleable server applications.

Performance Analysis Tools
2:00-3:00pm

Tired of writing sluggish applications? Come to this presentation to learn how to avoid common pitfalls and how to achieve uncommonly good performance.

Writing and Debugging Win32 Services
3:30-5:30pm

Services are fundamental to writing robust applications in a network environment. In this session you will learn the basics for writing, debugging and installing services, including using the registry.

Day Two: Thursday, January 19

General Sessions

Time	Session Title	Speaker	Presentation Name
8:30-10:00	Secure Windows NT Services	Richard Ward	ward251.ppt
10:00-10:45	Performance Monitoring of Your Application	Reza Baghai	bagha251.ppt
11:15-12:45	Network Programming: Windows Sockets	David Treadwell	tread251.ppt
1:45-3:00	RPC Programming	Mario Goertzel	goert251.ppt
3:00-4:30	OLE and Servers	Mark Ryland	rylan251.ppt

Breakout Sessions

Time	Session Title	Speaker	Presentation Name
5:00-6:00	Service Administration	Thomas Payne	payne251.ppt
5:00-6:00	Transport - Specific Programming	David Treadwell/ Jameel Hyder	trea2251.ppt

Evening Event

Time	Session Title	Presentation Name
6:30-9:30pm	**Reception Sponsored by DEC at The Sheraton Hotel and Towers**	**Presentation Name**
Douglas room 6:30-9:30pm	**David Solomon "Moving from OpenVMS to Windows NT"**	SOLOM251.PPT
Cedar room 6:30-9:30pm	**Microsoft Visual C++ Guru Session**	

Session Abstracts - Day Two: Thursday, January 19

General Sessions

Secure Windows NT Services
8:30-10:00am

This session will discuss writing your service to take advantage of the security provided by Windows NT and safely exposing objects for user access.

Performance Monitoring of Your Application
10:00-10:45am

Before you can tune your application, you have to find the bottlenecks. Find out how to use the great tools in the Windows NT Operating System and the software development kit to identify and characterize problem areas.

Network Programming: Windows Sockets
11:15-12:45pm

Windows Sockets provides THE mechanism for both network independent and transport specific programming. This session lays the foundation for Sockets programming on Windows NT, including differences from other Windows platforms as well as technology for high performance.

RPC Programming
1:45-3:00pm

RPC is the fundamental underpinning for all of the remote administration services in Windows NT. Find out how to use it in your applications in this session.

OLE and Servers
4:30-5:00pm

Most people think of OLE as a technology for desktop applications, but its core component model is useful in all kinds of software and its future distributed capabilities will become critical for network servers. "OLE and Servers" describes the core design and the breadth of issues that OLE can solve, reviews what OLE offers for server writers today, and previews its expanded capabilities in the future.

Session Abstracts - Day Two: Thursday, January 19

Breakouts

Service Administration
5:00-6:00pm

This presentation gives helpful hints on designing a viable application programming interface to remotely administer a service, including discussions of important Windows NT API's available for service administration.

Transport - Specific Programming
5:00-6:00pm

This session provides information on the differences in the Windows Sockets Interfaces to the TCP/IP, Appletalk, IPX/SPX, and NetBIOS transport protocols.

Moving from OpenVMS to Windows NT
6:30-9:30pm (Sheraton Hotel and Towers - Douglas room)

This session, presented by David Solomon, a past VMS developer turned Windows NT expert, will give a VMS knowledgeable developer a quick bootstrap on the base OS capabilities of Windows NT with a view to porting their code. VMS to Win32 system service mappings will be explained for topics such as processes & threads, memory management, I/O, security, exception handling, interprocess communication, and synchronization.

Day Three: Friday, January 20

General Sessions

Time	Session Title	Speaker	Presentation Name
8:30-9:30	Automating Software Installation	Oscar Newkerk	`newke251.ppt`
9:30-10:30	Breakout Session 1 (see below)		
11:00-12:00	Breakout Session 2 (see below)		
12:00-1:00	Breakout Session 3 (see below)		
1:10-2:00	The Future of Distributed Computing	Jim Allchin	`allchin.ppt`

Breakout Sessions

Time	Session Title	Speaker	Presentation Name
9:30-10:30	Breakout 1: Windows NT SNMP Extensions	Steve Rosato	`rosat251.ppt`
9:30-10:30	Breakout 1: International Server Applications	Lori Hoerth/Avery Bishop/Ken Fowles	`bisho251.ppt`
11:00-12:00	Breakout 2: Porting NLM's to Windows NT	Kevin Ferguson	`fergu251.ppt`
11:00-12:00	Breakout 2: Porting Unix Server Applications to Windows NT	Art Kreitman	`kreit251.ppt`
11:00-12:00	Breakout 2: Extended Stored Procedures and Open Data Services	Peter Hussey	`husse251.ppt`
12:00-1:00	Breakout 3: Microsoft SNA Server for Windows NT	Gordon Mangione	`mangi251.ppt`
12:00-1:00	Breakout 3: Developing Message-Enabled Server Applications	Jonathan Kauffman	`white251.ppt`
12:00-1:00	Breakout 3: Microsoft Visual C++ and Servers	Scott Randell	`rande251.ppt`

Session Abstracts - Day Three: Friday, January 20

General Sessions

Automating Software Installation
8:30-9:30am

In large corporations it may be impractical or impossible to manually install software on each computer. Find out what you need to make your application automatically install network-wide

The Future of Distributed Computing - Jim Allchin
1:00-2:00pm

This session will wrap up the conference and discuss how implementing for Windows NT Server today prepares you for the future of distributed computing.

Breakouts

Breakout 1: Windows NT SNMP Extensions
9:30-10:30am

This talk discusses Windows NT API's available for writing both SNMP Management applications as well as Extension Agents for implementing SNMP MIBs. The course will take an in-depth look at the SNMP Extendible Agent and how to write an extension DLL to work with it.

Breakout 1: International Server Applications
9:30-10:30am

The fastest growing market today is outside the US. Learn how to exploit this opportunity in your application.

Breakout 2: Porting NLM's to Windows NT
11:00-12:00pm

Windows NT Server is a great platform for NetWare Server applications. One developer shares their experiences, tips and techniques for reimplementing an NLM on Windows NT Server.

Breakout 2: Porting UNIX Server Applications to Windows NT
11:00-12:00pm

Fundamental differences and capabilities between Unix and Windows NT present unique challenges to adapting existing Unix server (daemon) applications to Windows NT. This talk presents approaches to restructuring existing Unix applications to produce competitive Windows NT Server applications.

Breakout 2: Extended Stored Procedures and Open Data Services
11:00-12:00pm

Open Data Services is a building block for creating multi-threaded, network-independent server applications that connect to SQL Server clients and servers. With ODS, developers can build gateways to legacy data and powerful extended stored procedures to extend SQL Server functionality.

Session Abstracts - Day Three: Friday, January 20

General Sessions

Breakout 3: Microsoft SNA Server for Windows NT
12:00-1:00pm

We will discuss the internal architecture of SNA server and it's programming interfaces. Also find out how to develop distributed SNA Server applications.

Breakout 3: Writing Message Enabled Server Applications
12:00-1:00pm

This is an overview of MAPI and the Windows messaging architecture. This session will describe messaging opportunities for server applications and how to use MAPI from an NT service.

Breakout 3: Microsoft Visual C++ and Servers
12:00-1:00pm

This session will demonstrate using Microsoft Visual C++ and ways to utilize its features and options to develop Windows NT Server applications. It includes a discussion of a new MFC class to write services.