

## Oracle8i: Network and Distributed Administration

### Objectives:

Oracle8i: Network and Distributed Administration covers the tools and techniques used when configuring an Oracle8i Database Management System in a network environment. Upon completion of this course, the students will have the skills necessary to configure and troubleshoot network connections to the Oracle8i database, and should be adequately prepared to take and pass the Oracle Certified Professional (OCP) examination Oracle8i: Network and Distributed Administration.

### Prerequisites:

Ideal candidate: Although there is no specified prerequisite for experience, anyone considering taking this course should have roughly six months experience as an Oracle Database Administrator (DBA). In addition, candidates should have a basic understanding of Relational Database Management Systems, a working knowledge of networking concepts. To ensure your success, we recommend you first take the following course or have equivalent knowledge:  
Oracle 8i: Tuning and Troubleshooting

### Duration:

2 days

### Additional Information:

Consultancy or Tailored courses are available upon request

## Course Contents

<b>Net8 Architecture Overview</b>	
Net8 Introduction	Net8 Architecture
Describe the benefits of using Net8	The Net8 Layers
Net8 Client/Server Connections	List the Layers of the Oracle Communication Stack
Net Service Names and Connect Descriptors	
<b>Basic Net8 Server-Side Configuration</b>	
The Listener Process	Starting and Stopping the Listener
The Listener Process	Basic LSNRCTL Commands
Creating a Listener Using Net8 Assistant	Changing Encrypted Passwords with LSNRCTL
The Listener.ora File	Additional Listener Configuration
Creating a Listener by Editing the listener.ora File	Configuring Prespawned Dedicated Servers
The Listener Control Utility	
<b>Basic Net8 Client-Side Configuration</b>	
The Host Naming Method	Using Net8 Assistant to list Local Naming in sqlnet.ora
Manually Setting the Global Database Name	Testing Connecting via Local Naming
Adding the Global Database Name to the hosts File	Client-side Redundancy, Load Balancing and Database Failover
Configuring Host Naming Method on Client	Client Load Balancing
Verifying Host Naming Method Connectivity	Configuring a Net8 for Transparent Application Failover

**Course content continues over the page**

**For more information, or to book your course, please call Sense Training on 0870 4296445  
Or visit our web site – [www.sensetraining.co.uk](http://www.sensetraining.co.uk)**

## *Looking at Training Differently.....*

### **Course Contents**

The Local Naming Method	Configuring Client Load Balancing and Connect-Time Failover
Local Naming Client Configuration	
<b>Centralized Naming</b>	
Centralized Naming Concepts	Manual Names Server Configuration
Centralized Naming Concepts	Configure Oracle Names with Net8 Assistant
Oracle Names	Administering Oracle Names
Oracle Names Concepts	The Names Control (NAMESCTL) Utility
Names Server Architecture	Control Oracle Names with Net8 Assistant
<b>Multi-Threaded Server</b>	
Multi-Threaded Server Architecture	Configure Multi-Threaded Server
Multi-Threaded Server Architecture	Monitoring and Tuning Multi-Threaded Server
The Connection Process	Monitor and Tune Multi-Threaded Server
Configuring Multi-Threaded Server	Connection Pooling
Multi-Threaded Server Configuration	Monitor Multi-Threaded Server
The Initialization Parameters	
<b>Connection Manager</b>	
Configure Connection Manager	Configure Connection Concentration
Connection Manager Capabilities	Monitor and Control Connection Manager
The CMAN.ora File	Use CMCTL to Control Connection Manager
<b>Troubleshooting The Network</b>	
Create a Troubleshooting Checklist	Enable Logging with Net8 Assistant
Troubleshooting the Network	Enable Tracing With Net8 Assistant
Use TNSPING to Troubleshoot Network Connection	Trace Assistant
Enable Logging and Tracing with Net8	
<b>Network Security</b>	
Advanced Networking Option	Configuring Advanced Networking Option
Identify Network Security Risks	Manually Configuring Advanced Networking Option
List the Features Provided by Advanced Networking Option	