

# **Expanded Security Workshop for IBM i (iSeries)**

**(SC14)**

**4 Days(50% Lecture, 50% Lab/Exercises)**

This class provides a comprehensive treatment of IBM i (iSeries and AS/400) security concepts along with practical instruction for implementing those concepts. Tips will be provided throughout the class on how to audit and detect faulty implementation that could compromise the system. It is designed for those dealing with system setup and administration, including system administrators, security officers, and IT Auditors. Expanded hands-on lab exercises reinforce the concepts presented. It is also recommended for technical support personnel and those staff members who set standards/policies for Application Development and Change Management.

**Prerequisites: Some knowledge of basic computer security concepts.**

---

## **Course Outline**

### **IBM I and i5/OS Overview**

Menus, Commands  
Finding Commands  
I5/OS Architecture

### **System Level Security**

Security System Values  
Security Levels  
Password Levels  
Protecting SST and DST services

### **All About User Profiles**

Working with User Profiles  
Special Authorities  
Limit Capabilities  
User Classes  
Group Profiles  
Reporting \*Outfiles w/ Query/SQL  
Object Ownership  
Adopted Authority  
Finding Back-door Programs  
Preventing User Profile Hijacking  
Common mistakes in User Profiles

### **Object Oriented Architecture**

A File is a File a Program is a Program  
Library and Object Authorities  
Security Commands for Objects  
Security Commands for IFS Objects  
Authority Shortcuts  
Authorization Lists  
Common Mistakes-Authorization Lists

### **The Security Toolkit**

SECTOOLS Menu Options  
SECBATCH Menu Options  
Security Jobs in the Job Scheduler

### **Work Management Security**

Sign-on Screen Vulnerabilities  
QSYSOPR Message Queue Authority  
Library List Vulnerabilities  
Checking for Trojan Horse Programs  
Job Description Vulnerabilities

### **Application Security**

Vendor supplied schemes  
Application Only Access  
Database Security  
Program Security  
Security for Other Application Objects

### **Network Security**

Client Access Security  
TCP/IP and Host Server Security  
TELNET, FTP, ODBC, RMTCMD  
Using Network Server Exit Programs  
NetServer and IFS Shares

### **Auditing Capabilities- QAUDJRN**

The Security Audit Journal  
Auditing Sensitive Files and Objects  
Auditing Powerful Users  
Auditing Command Usage  
Reporting from QAUDJRN  
Managing QAUDJRN Receivers

### **Operations Navigator Security**

---

For more information, call **(314) 932-2430** or **(800) 936-3140**

Or e-mail [info@400School.com](mailto:info@400School.com)

The 400 School, Inc – 1828 Canyon View Ct. – St. Louis, MO 63017