



Part of the five-volume
Active Directory™ Developer's Reference Library

Microsoft

The essential reference set for anyone who develops Active Directory applications in C, C++, Visual C++, or Visual Basic®

David Iseminger
Series Editor
www.iseminger.com



Active Directory™ Service Interfaces Reference

Suranaree University of Technology



31051000652673

BASED ON
msdn library

Contents

Acknowledgements	iii
Part 1	1
Chapter 1: Using the Active Directory Library	1
How the Active Directory Library Is Structured	2
How the Active Directory Library Is Designed	3
Chapter 2: What's In This Volume?	5
ADSI Reference Contents	6
Chapter 3: Using Microsoft Reference Resources	7
The Microsoft Developer Network	8
Comparing MSDN with MSDN Online	9
MSDN Subscriptions	11
MSDN Library Subscription	11
MSDN Professional Subscription	12
MSDN Universal Subscription	12
Purchasing an MSDN Subscription	12
Using MSDN	13
Navigating MSDN	14
Quick Tips	16
Using MSDN Online	18
Navigating MSDN Online	20
MSDN Online Features	21
MSDN Online Registered Users	27
The Windows Programming Reference Series	28
Chapter 4: Finding the Developer Resources You Need	29
Developer Support	30
Online Resources	32
Learning Products	32
Conferences	35
Other Resources	35

Part 2	37
Chapter 5: ADSI Functions and Structures	37
ADSI Functions	37
Obsolete ADSI Functions	64
ADSI Structures	64
Chapter 6: Enumerations, Data Types, and Constants	91
ADSI Enumerations	91
ADSI Data Types and Constants	152
ADSI Simple Data Types	152
ADSI Constants	153
Chapter 7: About ADSI Interfaces	155
Alphabetical Listing of ADSI Interfaces	156
Interface Property Methods	158
Interface Implementation of System Providers	159
Chapter 8: Core Interfaces	161
Core Interfaces	161
Chapter 9: Schema Interfaces	219
Schema Interfaces	219
Chapter 10: Property Cache Interfaces	241
Property Cache Interfaces	241
Chapter 11: Persistent Object Interfaces	287
Persistent Object Interfaces	287
Chapter 12: Dynamic Object Interfaces	387
Dynamic Object Interfaces	387
Chapter 13: Security Interfaces	427
Security Interfaces	427
Chapter 14: Non-Automation Interfaces	465
Non-Automation Interfaces	465
Chapter 15: Extension Interfaces	491
Extension Interfaces	491

Chapter 16: Utility Interfaces	499
Utility Interfaces	499
Chapter 17: Data Type Interfaces	567
Data Type Interfaces	567
Chapter 18: ADSI System Providers	597
ADSI LDAP Provider	597
LDAP ADsPath	597
Data Type Mapping Between Active Directory and LDAP	598
Mapping LDAP Types to ADSTYPES	598
Mapping Between Friendly String Syntaxes and LDAP Types	599
Mapping Between Syntax Object Identifiers and LDAP Types	601
ADSI Objects of LDAP	602
LDAP Syntax Object	604
LDAP User Object	604
Mapping Between IADsUser Properties and Active Directory Properties	605
User Creation in Active Directory	606
Examples of User Management in Active Directory	609
ADSI WinNT Provider	613
WinNT ADsPath	613
ADSI Objects of WinNT	614
WinNT Schema	616
WinNT Object Class Hierarchy	616
WinNT Schema's Mandatory and Optional Properties	617
WinNT User Object	621
Unsupported IADsUser Property Methods	622
WinNT Custom User Properties	623
WinNT User Account Management Examples	623
ADSI NDS Provider	628
NDS ADsPath	628
ADSI Objects of NDS	629
ADSI NWCOMPAT Provider	631
NWCOMPAT ADsPath	631
ADSI Objects of NWCOMPAT	631
ADSI Router	633
ADSI Objects Implemented in the Router Layer	633
Provider Support of ADSI Interfaces	634
Provider Support for IADsUser	635

Provider Support for IADsComputer.....	637
Provider Support for IADsComputerOperations	638
Provider Support for IADsDomain	638
Provider Support for IADsFileService.....	638
Provider Support for IADsGroup	638
Provider Support for IADsClass	638
Provider Support for IADsProperty	639
Provider Support for IADsSyntax	639
Provider Support for IADsContainer.....	639
Provider Support for IADsNamespaces	640
Provider Support for IADsAccessControlEntry	640
Provider Support for IADsAccessControlList.....	640
Provider Support for IADsSecurityDescriptor	640
Provider Support for IADsObjectOptions.....	641
Provider Support for IADsCollection.....	641
Provider Support for IADsMembers	641
Provider Support for IADsPathname	641
Provider Support for IADsPrintQueue	642
Provider Support for IADsPrintQueueOperations.....	642
Chapter 19: ADSI Error Codes	643
Generic COM Error Codes.....	643
Generic ADSI Error Codes.....	643
Win32 Error Codes for ADSI.....	645
Win32 Error Codes.....	646
Win32 Error Codes for ADSI 2.0	650
LDAP Error Codes for ADSI.....	653
ADSI Extended Error Messages	654
Code Example for Working with ADSI Error Messages	654
Part 3 – Glossary and Indexes	659
Glossary.....	661
Index 1: Active Directory Programmer's Guide Coverage	671
Index 2: Active Directory Reference – Alphabetical Listing.....	677
Index 3: ADSI, ADSI Exchange, and Group Policy Programmer's Guides Coverage.....	681
Index 4: ADSI Reference – Alphabetical Listing.....	685