



IBM Tivoli Directory Server for z/OS

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Agenda

- LDAP Primer
- Intro to TDS for z/OS
- About the lab.





What is LDAP?

- Directory data repository
 - Data stored in Entries managed in a hierarchical fashion, e.g., entries have parent entries
 - Commonly used to store user repository type data
 - Each entry contains 1 or more attributes
 - Every entry has a Distinguished Name attribute unique identifier of the entry
 - Other attributes include password, native ID, etc...
- Lightweight Directory Access Protocol
 - A standard protocol for accessing/managing Directory data over TCP/IP
 - Add, delete, modify entries...
 - Search entries
- Can be key to an enterprises IT security infrastructure
 - Authentication of user
 - Authorization





Directory Server for z/OS

- Tivoli Directory Server is a LDAP server implementation fully optimized for z/OS
 - Not a port of distributed TDS server to z/OS
- Supports standard LDAP V3 protocol
- z/OS specific optimizations include
 - Full sysplex support
 - System SSL, ICSF, CTRACE, WLM, ARM, DB2, etc... support
 - LDAP based access to RACF data
- LDAP-RACF relationship allows
 - LDAP based remote authentication to be done by RACF
 - Limited LDAP based access to RACF user, resource, and custom profiles
 - LDAP plugin allow for remote RACF audit and authorization services.





About the lab

- Introduction material that expands on Primer/Intro
- Walk through a complete LDAP server configuration setup
 - Includes DB2 setup
- Run some tests to verify configuration
- Optionally setup SSL if time permits
- User IDs SHARA01-20.
 - Passwords: "firstpw"





References

- z/OS Hot Topics Newsletter http://www-03.ibm.com/systems/z/os/zos/bkserv/hot_topics.html
 - #22, March 2010: "We've got your back(bone)"
 - #25, August 2011: "Don't judge an LDAP server by its name!"
- z/OS Publications http://www-03.ibm.com/systems/z/os/zos/bkserv/
 - IBM Tivoli Directory Server Client Programming for z/OS
 - IBM Tivoli Directory Server Messages and Codes for z/OS
 - IBM Tivoli Directory Server Plug-in Reference for z/OS
 - IBM Tivoli Directory Server Administration and Use for z/OS
- IBM Education Assistant

http://publib.boulder.ibm.com/infocenter/ieduasst/stgv1r0/index.jsp?topic=/com.ibm.iea.zos/plugin_coverpage.html

- V1R11 Security
 - Accessing RACF Resource Profiles through the IBM Tivoli Directory Server for z/OS
 - Introduction to configuring advanced replication in the IBM Tivoli Directory Server for z/os
- V1R12 Security
 - Password policy in the IBM Tivoli Directory Server for z/OS

