IBM Tivoli Software

Introduction to IBM Tivoli Directory Server 6.0 – Debugging

Excerpt taken from presentation given on April 10, 2007
Describe the locations and purpose for the different IBM Tivoli Directory Server log files

Support Technical Exchange Web site
http://www-306.ibm.com/software/sysmgmt/products/support/supp_tech_exch.html

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Debugging

Basic Installation and Configuration Debugging

- Available Resources
- Log Files
- Failed ISMP installs
- Failures with instance creation
- Failures with database creation
- Failures with server startup
- Failures with Web Admin

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Basic Installation and Configuration Debugging

Problem Determination Approach

1. **Review the log files**
2. **Check the available resources for known issues.**
   - Problem Determination Guide
   - Technotes
3. **Enable tracing or additional debugging options.**
4. **Review the additional debug messages and consult the Messages Guide.**

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Basic Installation and Configuration Debugging

The most useful resources in debugging an issue with Installation and configuration are as follows:

1. **The "Problem Determination Guide":**

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/topic/com.ibm.IBMDS.doc/PDGuide.htm

2. **The "Search Support" feature of the ITDS Support site:**

http://www-306.ibm.com/software/sysmgmt/products/support/IBMDirectoryServer.html

3. **The "Messages Guide":**

http://publib.boulder.ibm.com/infocenter/tivihelp/v2r1/topic/com.ibm.IBMDS.doc/messages.htm

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Basic Debugging – Helpful Installation Log Files

Log	Location
ITDS ISMP Install Logs	/var/idsldap/ldapinst.log
ITDS Install Logs (ISMP installp errors)	/opt/IBM/ldap/V6.0/installp_isje.log
DB2 Install Logs ISMP	When installing using the InstallShield GUI /var/idsldap/V6.0/db2licmAddstdout.log /var/idsldap/V6.0/db2licmAddstderr.log /var/idsldap/V6.0/db2licmstdout /var/idsldap/V6.0/db2licmstderr.log
DB2 Install Logs Native	When installing using the db2_install utility /tmp/db2_install.rc.99999 /tmp/db2_install.log.99999
Native Install issues on AIX	Review the SMIT log: /smit.log

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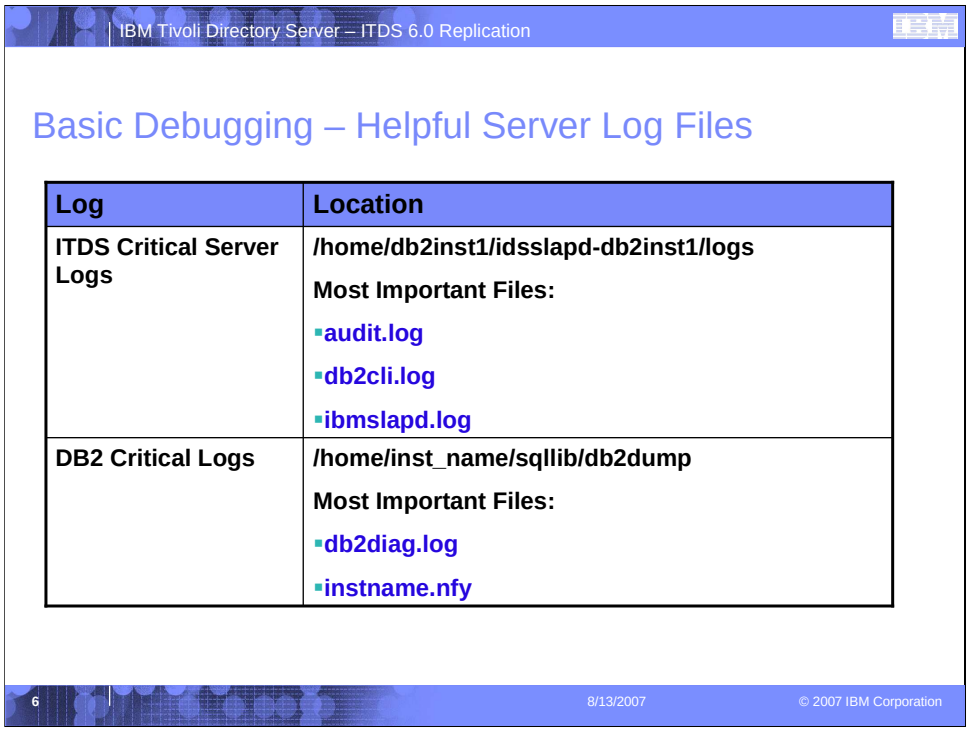

The ibmslapd.log is always the first place to start debugging. This contains valuable information about the directory server and possible problems that the server may be seeing.

Basic Debugging – Helpful Web Admin Log Files

Log	Location
ITDS WebAdmin Logs:	**/opt/IBM/ldap/V6.0/appsrv/IDSLogs**
ITDS WebAdmin Logs:	**/opt/IBM/ldap/V6.0/appsrv/logs/server1**

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The ibmslapd.log is always the first place to start debugging. This contains valuable information about the directory server and possible problems that the server may be seeing.

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