DB2 Universal Database Programming Workshop for Linux, UNIX, and Windows
(Course Code CF10)
Lab Set Up Guide
ERC 8.1
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</thead>
<tbody>
<tr>
<td>DB2</td>
<td>DB2 Connect</td>
<td>DB2 Universal Database</td>
</tr>
<tr>
<td>Distributed Relational Database Architecture</td>
<td>DRDA</td>
<td>IMS</td>
</tr>
<tr>
<td>iSeries</td>
<td>Lotus</td>
<td>MVS/ESA</td>
</tr>
<tr>
<td>OS/390</td>
<td>OS/400</td>
<td>QMF</td>
</tr>
<tr>
<td>RACF</td>
<td>RISC System/6000</td>
<td>S/390</td>
</tr>
<tr>
<td>SP</td>
<td>VisualAge</td>
<td>WebSphere</td>
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<tr>
<td>z/OS</td>
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</table>

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Contents

Trademarks ................................................................. v

Purpose ................................................................. vii

Requirements .......................................................... 1
  Overview .............................................................. 1
  Software Overview .................................................. 1
  Hardware Configuration ............................................. 1
    Student Machine - Intel ........................................... 1
  Contact Information ............................................... 3
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Purpose

This Lab Set Up Guide provides directions for installing, preparing, and verifying the lab hardware and software in preparation for conducting a class of course CF10.

The Requirements sections of this document may also be used to determine the specific hardware and software needed to conduct a class.
Requirements

Overview
This Lab Setup Guide provides directions for installing, preparing, and verifying the lab hardware and software in preparation for conducting a class of course CF10 and/or CF11. These courses are often offered back to back, and if they are, no intervention is required in view of preparing for CF11.

Software Overview
Additional software required: Microsoft Visual C++ .NET

Hardware Configuration
- Authorized Classroom Locations: ALL
- Network Requirements: VPN Access
- TCP/IP: DHCP
- Bandwidth: 384K

Student Machine - Intel
These are the minimum physical requirements for this machine:
- Processor: PI
- Processor Speed: 500Mhz
- Memory: 128M
- Storage: 2G
- Network Adapter: Token Ring
- Video: 1024 x 768
- Peripherals:

Software
Tested on DB2 UDB ESE V8.2

Installation Procedures:
1. Install Microsoft Windows 2000 Professional.
   a. Rename the Administrator userid to udba. Set password to udba.
   b. Logoff and logon as udba.
   c. Format the C partition as NTFS, if drive has not been previously formatted.
   d. Change the computer name to db2xx.
   e. Change the paging space to an initial size of 1024 and a maximum size of 1536.
f. Restart the computer.

   a. Logon as udba.
   b. With the DB2 UDB CD-ROM in the drive, start the install.
   c. Install Products.
   d. Installation Type: Typical
   e. Install DB2 Enterprise Server Edition on this computer.
   f. Installation folder: C:\SQLLIB\
   g. DB2 Administration Server username: db2admin Password: db2admin
   h. Administration Contact List: Local - create a contact list...
   i. Configure DB2 Instances - Take the defaults.
   j. Prepare the DB2 tools catalog: Select Prepare DB2 tools catalog.
   k. Specify a local database - Take the defaults.
   l. Specify a contact for the Health Monitor: Defer task.
   m. Install.

3. Install the Java SDK 1.3.1_08.
   a. Download the Java SDK from Web site java.sun.com/j2se/1.3.
   b. Download the SDK for Windows.
   c. Install the Java SDK by running the j2sdk-1_3_1_08-windows-i586.exe.

   a. Start the installation with the CD installed.
   b. Install the Windows Component Upgrade. Insert Windows Component Update CD-ROM.
   e. .NET Framework

5. Install the CF10 lab files.
   a. Obtain the CF108LabFiles.zip file.
   b. Extract the Files onto the C: drive.
   c. The directories C:\wspgm and C:\wspgm\SOLN should be created, when the file is unzipped.

6. Create the database EDDB.
   a. Click Start -> Run.
   b. Type in "db2cmd" -> OK.
   c. From the DB2 Command window, change directory into c:\wspgm\SOLN.
   d. Execute the CREDDDB.CMD file. This batch file will create the database EDDB and populate the tables.
   e. Close the DB2 Command window.
7. Customization before copying.
   a. Open a DB2 Command Window (Start -> Programs -> IBM DB2 -> Command Line 
      Tools -> Command Window).
   b. Issue the following:
      - db2stop force
      - db2idrop db2
   c. Shutdown and restart.

Verification Procedures:
1. Type the following commands on an MS/DOS command window.
   a. "db2cmd" (this will open a new window).
   b. "db2samp1" (and press Enter).
   c. Several minutes later a command prompt with no error messages should appear.
   d. "db2 connect to sample"
   e. You should see: Database Connection Information
      Database server = DB2/NT 8.2.0
      SQL Authorization ID = UDBA
      Local Database Alias = SAMPLE
   f. If you receive an error, contact the instructor.
   g. "db2 terminate"
   h. db2 drop db sample"
   i. "db2 list db directory"
   j. You should see two databases: EDDB and TOOLSDB.
2. Verify that the desktop appears with no error messages, and that all icon have images.
3. Click **Start**, and select **Shutdown**. When the window opens, click **Restart the** 
   **Computer** and click **OK**. Leave the machines at the login screen.

Contact Information

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