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<tr>
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<th>DB2</th>
<th>DB2 Universal Database</th>
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<tr>
<td>iSeries</td>
<td>OS/2</td>
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<tr>
<td>RACF</td>
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<tr>
<td>System/36</td>
<td>VisualAge</td>
<td>z/OS</td>
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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 CF71. The Requirements sections of this document may also be used to determine the specific hardware and software needed to conduct a class.
Requirements

The following tables list the hardware, software, and other materials needed to set up a lab to conduct a class of course CF71.

Hardware Requirements

The following lists the hardware needed to prepare one student lab set. When preparing for a class, multiply the items below by the number of lab sets needed for the class.

Table 1-1: Hardware for Lab Platforms

<table>
<thead>
<tr>
<th>Platform Use</th>
<th>Processor Type</th>
<th>Minimum Speed</th>
<th>Minimum Memory</th>
<th>Minimum Disk</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student and Instructor</td>
<td>Pentium PC</td>
<td>300MHz</td>
<td>256 MB</td>
<td>6 GB</td>
<td>• SVGA</td>
</tr>
</tbody>
</table>

The disk requirement is for all software, including the operating system.

Software Requirements

Here is the list of the software needed for the systems used in the course. When preparing for a class, be sure you have the required licenses for any non-IBM software. The software you must have available is:

• Windows 2000
• Windows 2000 SP3 or higher
• DB2 UDB V8 with FP1 or higher either ESE or WSE
  - If you are building a lab image to be Ghosted, then use WSE
• Internet Explorer V5 or higher
• Adobe Acrobat Reader
• MS C++ 6.0
• IBM Distributed Debugger
• PKZip or WinZip
• CF714LabFiles.zip
### Table 1-2: Software Requirements

<table>
<thead>
<tr>
<th>Platform Use</th>
<th>Operating System, Version and Licensing</th>
<th>Applications, Version and Licensing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student and Instructor</td>
<td>Windows 2000 plus Service Pack 3, one license per platform</td>
<td>• DB2 UDB, one license per machine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• MS Visual C++ 6.0, one license per machine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• IBM Distributed Debugger, one license per machine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Microsoft Internet Explorer 5 or newer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Adobe Acrobat Reader</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• PKZip or WinZip</td>
</tr>
</tbody>
</table>
Set Up Instructions

Configuration Information

The following describes the configurations of the student and/or lab set systems.

1. Hardware Settings:
   • Described later in *Hardware Setup Instructions*.

2. Software Settings:
   • There will be two setup files. One to load the required files on the C drive and one to load the required files on the D drive. Choose the appropriate setup file for your environment.

Software Set Up Instructions

The workstation userid should be **admin** and the password **admin**.

Software Configuration

__ 1. Install Windows 2000 Professional.
__ 2. Install service pack 3 or higher.
__ 3. Create a userid **admin**, password of **admin** that does not expire with Administrator authority. Log on as **admin**.
__ 4. Install DB2 UDB V8 with fixpak 1 or higher.
   - If you are going to create a lab image and ghost it (or use some similar technique), then you should use WSE and not ESE. WSE will not complain if your DB2 system name is not the same as you computer name.
   - Just do a typical install. There is no need to install the Warehousing components. You can install DB2 on the C drive or the D drive. Install in either C:\SQLLIB or D:\SQLLIB. I would suggest to not install under Program Files.

When prompted for a userid, supply **db2admin** and **db2admin** for the password. Leave the *Use the Same Values...* box checked.

Do not prepare a DB2 tools catalog.

Close out First Steps. Don’t worry about creating the SAMPLE database. That will be done later.

At the end of the installation, exit from the registration dialog if it is displayed.
5. Install fixpak 1 or higher or else there will be some problems with the Development Center.

6. The DB2 documentation comes on another CD. You should install this.

7. Install Microsoft Visual C++ 6.0. This comes on the Microsoft Visual Studio CD. There is no reason to install all of the MS Visual Studio components. Only the C compiler is required. This should be installed in the default directory. If you decide to install the code in another directory, then it will be your responsibility to update the DB2_SQLROUTEINE_COMPILER_PATH in the CF714SET.CMD file to the appropriate directory before you execute CF714SET.CMD.
   - Do a custom install.
   - You don’t need to choose Microsoft Visual C++ 6.0 and Data Access.
   - You don’t need to create the environment variables. The DB2_SQLROUTINE_COMPILER_PATH value handles that.
   - Don’t worry about install MSDN.

8. Install the IBM Distributed Debugger. According to the Development Center documentation, this product comes with IBM VisualAge for Java or WebSphere Studio Application Developer. I could not find any reference to it in WSAD.
   Choose to do a “Full” install. Once again, this can be on either the C or the D drive. But do install into the IBMDebug directory.
   Restart your computer.


10. Install PKZip or WinZip.

11. Install the CF71 files at come with CF714LabFiles.zip.
   - Obtain the CF714LabFiles.zip file and extract it to C:\CF71 or D:\CF71, depending on your machine environment.

12. Create a directory called Visuals and copy your the CF71 visuals to that directory.

Customization

1. Update the System PATH environment variable and add your Java jdk bin directory to the beginning of the path. If you installed DB2 on the C drive in the SQLLIB directory, you would add c:\sqlib\java\jdk\bin; at the beginning of the path value. If you installed DB2 on the D drive in the SQLLIB directory, then you would add d:\sqlib\java\jdk\bin; to the beginning of your path value. Don’t forget the semicolon at the end of the value that you are adding.
2. Update the CLASSPATH environment variable in include for the IBM Distributed Debugger. If you installed it in c:\IBMDebug, then you would add c:\IBMDebug\lib\dertrjrt.jar to the CLASSPATH. If you installed it in d:\IBMDebug, then you would add d:\IBMDebug\lib\dertrjrt.jar to the CLASSPATH.

3. Create a new environment variable called DB2_DBG_PATH. This points to the directory that the students will use to store their Development Center project. If the students will be working off of the C drive, then set this variable to c:\CF71_PROJECT. If the students will be working off of the D drive, then set it to d:\CF71_PROJECT.

4. Open a Windows command prompt and change to the CF71 directory. Note: If you did not install Microsoft Visual C++ in the default directory, you will need to edit CF714SET.CMD and update the DB2_SQLROUTINE_COMPILER_PATH statement. Issue CF714SET.CMD.

5. Setup the desired computer name, IP addresses and reboot.