Query and Manage XML Data with DB2 9

(Course code CG13)

Lab Setup Guide

ERC 1.0

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Purpose

This Lab Setup Guide provides directions for installing, preparing, and verifying the lab hardware and software in preparation for conducting a class of course CG13. 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 CG13.

Hardware requirements

Table 1 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: Hardware for one student lab set

<table>
<thead>
<tr>
<th>Machine type/model or processor type</th>
<th>Minimum memory for VMWare image (does not include base system)</th>
<th>Minimum free DASD or disk space</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel / 2.8 GHz</td>
<td>768 MB overall 1 GB</td>
<td>5 GB</td>
<td></td>
</tr>
</tbody>
</table>

Table 2 lists the hardware required for an instructor machine.

Table 2: Hardware for instructor machine

<table>
<thead>
<tr>
<th>Machine type/model or processor type</th>
<th>Minimum memory for VMWare image (does not include base system)</th>
<th>Minimum free DASD or disk space</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intel / 2.8 GHz</td>
<td>768 MB overall 1 GB</td>
<td>5 GB</td>
<td></td>
</tr>
</tbody>
</table>

Software requirements

Table 3 lists the software needed to prepare the student lab sets. When preparing for a class, be sure you have the correct number of licensed copies of any non-IBM software.

A Windows compression tool is required to unzip the lab setup files. It is not required that this software be added to the actual images.

One copy of VMWare 5.5 is required to create the VMWare image in which the exercises will run.

VMPlayer, which is free, can be used to run the VMWare images when the class is being taught.
Table 3: Software for one student lab set

<table>
<thead>
<tr>
<th>Software product</th>
<th>Version</th>
<th>Licensing requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System (for example, Windows XP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Windows XP Professional</td>
<td></td>
<td>2 license (one for base system and one for the VMWare image)</td>
</tr>
<tr>
<td>Adobe Reader</td>
<td>5.0 or higher</td>
<td>1</td>
</tr>
<tr>
<td>DB2 ESE 9</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>DB2 Development Workbench</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>DB2 ESE pureXML feature</td>
<td>9</td>
<td>1</td>
</tr>
<tr>
<td>Microsoft Excel</td>
<td>MS Office XP or later</td>
<td>1</td>
</tr>
</tbody>
</table>

Table 3 lists the software needed to prepare the instructor machine.

Table 4: Software for instructor machine

<table>
<thead>
<tr>
<th>Software product</th>
<th>Version</th>
<th>Licensing requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating System (for example, Windows XP)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Same as the student machine</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Product documentation requirements

None

Skills required to set up the lab

The following specialized skills are required to set up the lab:

- Ability to install and configure Windows XP Professional, specific skills required are:
  - Apply Service Packs and fixes
- Installation skills for Windows XP-based products.

Although the DB2 configuration operations are automated, an understanding of creating databases and updating configuration settings would be useful.
Setup instructions

Configuration information

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

Hardware setup instructions

Use the following information in addition to the normal hardware installation procedures to set up the lab hardware.

No special hardware setup instructions.

Software setup instructions

Use the following information in addition to the normal software installation procedures to set up the lab software.

1. VMWare Workstation 5.5 needs to be installed. Just follow the installation instructions for that software.

Operating system setup instructions

Use the following information in addition to the normal software installation procedures to set up the lab software. The installation of the following will occur under VMWare.

1. Install Windows XP Professional.
2. Change the Administrator userid’s password to ibm2blue.
3. Change the computer name to CG1301.
5. Install VMWare Tools. Boot the newly installed Windows XP system in VMWare, then from the VMWare menu, select VM -> Install VMWare Tools...

Application setup instructions

6. Install Adobe Acrobat Reader.
7. Make sure that Internet Explorer has be successfully configured.
8. Firefox can be installed if desired.

DB2 ESE 9

Follow the directions to install DB2 ESE 9.

1. Choose to do a typical install.
2. Specify to install the software on this computer.
3. Change the installation directory to `c:\sqlib`.
4. Choose a user name of `db2admin`. Specify the password to be `ibm2blue`.
5. Do not prepare a DB2 Tools catalog.
6. Uncheck to set up the server to send notifications.
7. At the end of the installation, do not create a profile.

**Activate the DB2 ESE and pureXML licenses**

Use the Enterprise Server CPU Activation license and the DB2 pureXML Activation license.
8. Open the License Center.
9. Select your system.
10. From the menu, click **License -> Add**.
11. Add both the ESE and the Pure XML licenses.

**Install the Developer’s Workbench**

12. Change the installation directory to `c:\DWB\V9.1`.

**Install Microsoft Excel**

13. Only Excel needs to be installed.

**Set up files**

14. Unzip `CG131LabFiles.zip` to C:\
15. Create a `Visuals` directory on the C drive.
16. Unzip `CG131SHOW.zip` to C:\`Visuals`.

**Set up db2admin**

17. Log on as `db2admin` and configure Windows for that userid.

**Verification procedures**

There are no verification procedures.