IBM WebSphere Commerce Business Edition
IBM WebSphere Commerce Professional Edition

IBM

Quick Beginnings
for Solaris Operating Environment

Version 5.5

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for Solaris Operating Environment

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First Edition (June 2003)

This edition applies to version 5.5 of the following products and to all subsequent releases and modifications until otherwise indicated in new editions:

- IBM WebSphere Commerce Business Edition for Solaris Operating Environment
- IBM WebSphere Commerce Professional Edition for Solaris Operating Environment

Ensure that you are using the correct edition for the level of the product.

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Chapter 1. Welcome to WebSphere Commerce

This book describes how to install and configure the main components of WebSphere® Commerce Version 5.5 on a single machine. It is intended for system administrators or for anyone else responsible for performing installation and configuration tasks. For more advanced configuration scenarios, refer to the *WebSphere Commerce Installation Guide*.

For instructions on the installation and configuration of WebSphere Commerce Studio, refer to the *WebSphere Commerce Studio Installation Guide*.

This Guide, and any updated versions of this Guide, are available as PDF files at the WebSphere Commerce Technical Library Web site (`http://www.ibm.com/software/commerce/library/`). For additional support information, see the WebSphere Commerce Support site (`http://www.ibm.com/software/commerce/support/`).

To learn about last-minute changes to the product, see the updated product README file, which is also available from the WebSphere Commerce Technical Library Web site (`http://www.ibm.com/software/commerce/library/`)

Conventions used in this book

This book uses the following conventions:

Boldface type	Indicates commands or graphical user interface (GUI) controls such as names of fields, icons, or menu choices.
`Monospace type`	Indicates examples of text you enter exactly as shown, file names, and directory paths and names.
Italic type	Used to emphasize words. Italics also indicate names for which you must substitute the appropriate values for your system.

Default installation paths

When this book refers to installation paths, it uses the following default path names:

WebSphere Commerce Version 5.5	`WC_installdir`

IBM® DB2 Universal Database™ Version 8.1.0.8 Enterprise Edition	`DB2_installdir`
IBM HTTP Server Version 1.3.26	`HTTPServer_installdir`
WebSphere Application Server Version 5.0	`WAS_installdir`

Refer to "Path variables" on page 14 for more information on how this book refers to installation paths for the various installed products.

Supported Web browsers

You can only access the WebSphere Commerce tools and online help using Microsoft® Internet Explorer 6.0 from a machine running a Windows® operating system on the same network as your WebSphere Commerce machine. You must use Internet Explorer full version 6.0 (also known as Internet Explorer 6.0 Service Pack 1 and Internet Tools) or later with the latest critical security updates from Microsoft — prior versions do not support full functionality of WebSphere Commerce tools.

Shoppers can access Web sites by using any of the following Web browsers, all of which have been tested with WebSphere Commerce:
- AOL 7 or above for Windows
- Microsoft Internet Explorer:
  - Version 6 or higher for Windows
  - Version 5 or higher for Macintosh
- Netscape:
  - Version 6.1 or higher on Windows
  - Version 6.2.3 or higher on Linux
- Netscape Navigator:
  - Version 4.51 or higher on Windows
  - Version 4.79 or higher on Linux

Port numbers used by WebSphere Commerce

The following is a list of the default port numbers used by WebSphere Commerce or its component products. Please ensure that you do not use these ports for non-WebSphere Commerce applications. If you have a firewall configured in your system, ensure that you can access these ports.

Port Number
  Used By

80   IBM HTTP Server.

389   Lightweight Directory Access Protocol (LDAP) Directory Server.

443   IBM HTTP Server – secure port. This secure port requires SSL.

1099 WebSphere Commerce Configuration Manager server.

2809 WebSphere Application Server Bootstrap address.

5432 WebSphere Commerce Payments non-secure server.

5433 WebSphere Commerce Payments secure server. This secure port requires SSL.

5557 WebSphere Application Server Internal Java™ Messaging Service server.

5558 WebSphere Application Server Java Messaging Service server queued address.

5559 WebSphere Application Server Java Messaging Service direct address.

7873 WebSphere Application Server DRS client address.

8000 WebSphere Commerce Tools. This secure port requires SSL.

8002 WebSphere Commerce Administration Console. This secure port requires SSL.

8004 WebSphere Commerce Organization Administration Console. This secure port requires SSL.

8008 IBM HTTP Server Administration port.

8880 WebSphere Application Server SOAP Connector address.

9043 WebSphere Application Server Administration Console Secure Port. This secure port requires SSL.

9080 WebSphere Application Server HTTP Transport.

9090 WebSphere Application Server Administration Console Port.

9443 WebSphere Application Server HTTPS Transport Port.

9501 WebSphere Application Server Secure Association Service.

9502 WebSphere Application Server Common Secure Port.

9503 WebSphere Application Server Common Secure Port.

50000 DB2® server port.

60000 or higher
DB2 TCP/IP communications.

Locales used by WebSphere Commerce

WebSphere Commerce uses valid Java locales only. Ensure that your systems have the appropriate locale installed for your language. Ensure that any locale-related environment variables are set to include the WebSphere Commerce–supported locale. Locale codes supported by WebSphere Commerce are shown in the table below.

Language	Locale Code	LC_ALL value
German	de_DE	de_DE.ISO8859-1
English	en_US	en_US.ISO8859-1
Spanish	es_ES	es_ES.ISO8859-1
French	fr_FR	fr_FR.ISO8859-1
Italian	it_IT	it_IT.ISO8859-1
Japanese	ja_JP	ja_JP.eucJP
Korean	ko_KR	ko_KR.EUC
Brazilian Portuguese	pt_BR	pt_BR.ISO8859-1
Simplified Chinese	zh_CN	zh_CN.GBK
Traditional Chinese	zh_TW	zh_TW.BIG5

To determine your locale, run the following command:
```
echo $LANG
```

If your locale is not supported, change your locale properties by running the following commands as root user:
```
LANG=xx_XX
export LANG
```

Where xx_XX is your four letter locale code with the same capitalization as shown in the above table.

Quick reference to user IDs, passwords and URLs

Administration in the WebSphere Commerce environment requires a variety of user IDs. These user IDs along with their requisite authorities are described in the table below. For the WebSphere Commerce user IDs, the default passwords are identified.

User ID	Default values	Notes
DB2 user	Not applicable	This is an operating system user ID created during installation to administer your DB2 database. It should be used when running DB2 commands, and when starting and stopping your DB2 server. This user must meet the DB2 user ID requirements outlined in "DB2 Universal Database user ID requirements" on page 7.
Configuration Manager user ID	The default Configuration Manager user ID and password are `webadmin` and `webibm`	The Configuration Manager tool's graphical interface allows you to modify the way WebSphere Commerce is configured. You can access Configuration Manager from your WebSphere Commerce machine, or any machine on the same network as WebSphere Commerce which supports a graphical user interface, and has the Configuration Manager client installed.

User ID	Default values	Notes

WebSphere Commerce Site Administrator	Not applicable.
	
	The Site Administrator ID and password are created as part of the Quick installation.
		The Site Administrator user ID and password apply to the following WebSphere Commerce tools:
		
		• WebSphere Commerce Accelerator. To access the WebSphere Commerce Accelerator, open Internet Explorer on a Windows machine on the same network as WebSphere Commerce, and enter the following URL:
		
		`https://host_name:8000/accelerator`
		
		• WebSphere Commerce Administration Console. To access the WebSphere Commerce Administration Console, open Internet Explorer on a Windows machine on the same network as WebSphere Commerce, and enter the following URL:
		
		`https://host_name:8002/adminconsole`
		
		• WebSphere Commerce Organization Administration Console. To access the WebSphere Commerce Organization Administration Console, open Internet Explorer on a Windows machine on the same network as WebSphere Commerce, and enter the following URL:
		
		`https://host_name:8004/orgadminconsole`
		
		WebSphere Commerce requires that the user ID and password adhere to the following rules:
		
		• The password must be at least 8 characters in length.
		• The password must include at least 1 numeric character.
		• The password must include at least 1 alphabetic character.
		• The password does not contain more than 4 occurrences of a character.
		• The password does not repeat the same character more than 3 times.

User ID	Default values	Notes
WebSphere Commerce Payments Administrator	When you install WebSphere Commerce Payments, the WebSphere Commerce Site Administrator ID is automatically assigned the WebSphere Commerce Payments Administrator role.	The WebSphere Commerce Payments Administrator role enables a user ID to control and administer WebSphere Commerce Payments.
non-root user ID	n/a	You must create this ID before installing WebSphere Commerce. This ID is used to administer several components of WebSphere Commerce. The following servers and tools should be run under this ID: • the WebSphere Commerce application server • the WebSphere Commerce Payments application server • WebSphere Commerce Configuration Manager • the default WebSphere Application Server application server — server1
root	root	This is the user ID required for installing WebSphere Commerce. It should also be used to start and stop IBM HTTP Server.

DB2 Universal Database user ID requirements

DB2 requires that the user IDs and passwords for database administrators and database users adhere to the following rules:

• They cannot be more than 8 characters in length.
• They cannot contain any upper case characters.
• They can contain only the characters a to z, 0 to 9, @, #, $, and _.
• They cannot begin with an underscore (_).
• The user ID cannot be any of the following, in upper, lower, or mixed case: USERS, ADMINS, GUESTS, PUBLIC, LOCAL.
• The user ID cannot begin with any of the following in upper, lower, or mixed case: IBM, SQL, SYS.

Chapter 2. Preinstallation requirements

This section describes the steps you need to perform before you install WebSphere Commerce.

To perform the steps described in this publication, you must have `root` user access.

> **Important**
>
> You *must* complete these preinstallation steps to ensure that installation is successful.

Knowledge requirements

To install and configure WebSphere Commerce, you require knowledge of the following:

- Your operating system
- The Internet
- Web server operation and maintenance
- IBM DB2 Universal Database
- Basic operating system commands

To create and customize your store, you require knowledge of the following:

- WebSphere Application Server
- IBM DB2 Universal Database
- HTML and XML
- Structured Query Language (SQL)
- Java programming

For information on developing your store front and store data assets, refer to the *WebSphere Commerce Store Development Guide*. For information on developing or customizing your business logic (or back office business logic) see the *WebSphere Commerce Programming Guide and Tutorials* document.

Prerequisite hardware

You must ensure that you meet the following minimum hardware requirements before installing WebSphere Commerce:

- Any processor that supports Solaris 8 Operating Environment (SPARC platform edition) software, such as a Sun SPARC or UltraSPARC station, with the following:
  - A 400 MHz processor.
  - A minimum of 1 GB of random access memory (RAM) per processor. Each additional WebSphere Commerce or WebSphere Commerce Payments instance will require an additional 512 MB of RAM per instance.

    To check the amount of physical memory the machine has, issue the following command in a terminal window:

    `prtconf | grep Memory`
  - A minimum of 6 GB of free disk space, if you install all of the required and optional components, with the following recommended allocated file sizes:
    - `/opt`: 4 GB
    - `/export`: 1 GB
    - `/tmp`: 1 GB
  - A minimum of 1 GB swap space per processor.
  - A communication hardware adapter that uses the TCP/IP protocol stack to make network connections.
  - A CD-ROM drive.
  - A graphics capable monitor.

Prerequisite software

You must ensure that you meet the following minimum software requirements before installing WebSphere Commerce:

- Ensure that you have a Windows machine with Internet Explorer Version 6.0 (full version) or higher available on the same network as the machine on which you are installing WebSphere Commerce. Internet Explorer is required to access the WebSphere Commerce tools.
- Ensure that you have Solaris 8 Operating Environment (SPARC platform edition) software, maintenance update 5 (MU5) or higher, with the most recent Solaris Patch Cluster. To determine which release is installed on your system, run the following command:

  `cat /etc/release`

  Note: Solaris 8 Operating Environment (Intel platform edition) software is *not* supported by WebSphere Commerce.
- Ensure that you have the following Solaris patches installed at the indicated levels or higher:
  - 108434-03

- 108652-27
- 108528-12
- 108827-01
- 108921-12
- 108940-24
- 109147-16

You can check patch levels by using the `showrev -p` command. For information on using the `showrev -p` command, refer to your Solaris documentation.

> **Important**
>
> These patch levels were accurate when this book was originally published.
>
> For the latest patch levels required, check the latest System requirements available at the following URL:
> `http://www.ibm.com/software/data/db2/udb/sysreqs.html`

- Ensure that the stack quota limit is at least 32768. To check the current limit, type the following in a command window as `root`:

  `ulimit -a`

  If the value returned for the stack is less than 32768, increase it to this level by running the following command as `root`:

  `ulimit -s 32768`

Other requirements

You must also do the following before installing WebSphere Commerce:

- If you are running Lotus® Notes™, or any other server on your machine, stop the server.
- Ensure that the following user IDs do not exist: `db2fwc1`, `daswc1`.
- Ensure that the following user groups do not exist: `db2fwcg1`, `daswcg1`.
- Since WebSphere Commerce uses both IP addresses and host names, the IP address on your system must resolve to a host name. To determine your IP address, open a command window and type the following:

  `nslookup host_name`

  The desired result is a reply from your correct IP address.
- Ensure that your host name is fully qualified with a domain.

- Ensure that the host name of your Web server does not contain an underscore (_). IBM HTTP Server does not support machines with an underscore in their host name.
- If you have a Web server installed that is using any of the following ports, disable the Web server before installing WebSphere Commerce:
  - 80
  - 443
  - 5432
  - 5433
  - 8000
  - 8002
  - 9090
  - 8004
- To view the WebSphere Commerce information available after the completion of the WebSphere Commerce installation wizard, you must have a web browser on the machine on which you are installing WebSphere Commerce.

Updating Solaris kernel configuration parameters for DB2

> **Important**
>
> You *must* set the Solaris kernel file parameters as described in the chart below. If you do not set the parameters as specified, DB2 will not be able to create a DB2 instance ID.
>
> Once you have set the Solaris kernel file parameters, you *must* restart your machine so that the changes take effect.

Log in as root and use a text editor to add the following parameters to the Solaris kernel file, /etc/system. To set a kernel parameter, add a lines at the end of the /etc/system file for each kernel parameter as follows:

set *parameter-name=value*

Do not leave any spaces at the end of any of the statements that you type into the kernel file. Select the values for the following parameters based on the configuration that applies to your system.

Table 1. Solaris Kernel Configuration Parameters (Recommended Values)

Kernel Configuration Parameter	Physical Memory			
	64 MB - 128 MB	128 MB - 256 MB	256 MB - 512 MB	512 MB+
`msgsys:msginfo_msgmax`	65535 (1)	65535 (1)	65535 (1)	65535 (1)
`msgsys:msginfo_msgmnb`	65535 (1)	65535 (1)	65535 (1)	65535 (1)
`msgsys:msginfo_msgmap`	130	258	1024	1024
`msgsys:msginfo_msgmni`	256	512	1024	1024
`msgsys:msginfo_msgssz`	16	16	32	32
`msgsys:msginfo_msgtql`	512	1024	2048	2048
`msgsys:msginfo_msgseg`	8192	16384	32767 (2)	32767 (2)
`shmsys:shminfo_shmmax`	67108864 (3)	134217728 (3)	4294967295 (3)	4294967295 (3)
`shmsys:shminfo_shmseg`	100	100	100	100
`shmsys:shminfo_shmmni`	1024	1024	1024	1024
`semsys:seminfo_semmni`	256	512	1024	2048
`semsys:seminfo_semmsl`	250	250	250	250
`semsys:seminfo_semmap`	260	516	1028	2050
`semsys:seminfo_semmns`	512	1024	2048	4096
`semsys:seminfo_semopm`	100	100	100	100
`semsys:seminfo_semmnu`	256	512	1024	4096
`semsys:seminfo_semvmx`	32767	32767	32767	32767
`semsys:seminfo_semume`	50	50	50	50

To check the amount of physical memory the machine has, issue the following command in a terminal window:

```
prtconf | grep Memory
```

The values shown above are the minimum required for DB2. You may adjust them higher if you wish. For more information, refer to the *IBM DB2 Universal Database for UNIX® Quick Beginnings Guide*.

Notes:

1. The parameters `msgsys:msginfo_msgmnb` and `msgsys:msginfo_msgmax` *must* be set to 65535 or larger.
2. The `msgsys:msginfo_msgseg` parameter must be set no higher than 32767.

3. The parameter shmsys:shminfo_shmmax should be set to the suggested value in the chart above or to 90% of the physical memory (in bytes), whichever is higher. For example, if you have 256 MB of physical memory in your system, set the shmsys:shminfo_shmmax parameter to 241591910 (256*1024*1024*0.9).

More information about the Solaris kernel requirements for DB2 Universal Database is available from the DB2 V8 Information Center. The DB2 V8 Information Center can be accessed by going to the following URL and clicking the link to launch the Information Center:

```
http://www.ibm.com/cgi-bin/db2www/data/db2/udb/winos2unix/
support/v8pubs.d2w/en_main
```

The URL is formatted to fit this page. Enter the URL as a single line.

Search the DB2 V8 Information Center for "Recommended Solaris kernel configuration parameters".

Note: You must restart the machine after updating the Solaris kernel parameters.

Path variables

The following variables are used for paths in this book:

WAS_installdir
> This is the installation directory for WebSphere Application Server. The default installation directory for WebSphere Application Server is /opt/WebSphere/AppServer.

WC_installdir
> This is the installation directory for WebSphere Commerce and contains all the WebSphere Commerce proprietary data. The default installation directory for WebSphere Application Server is /opt/WebSphere/CommerceServer55.

Chapter 3. Installing WebSphere Commerce

The instructions in this chapter will guide you through the installation and configuration of WebSphere Commerce on a single node. This installation should be performed under the following conditions:

- You want to install the following components on the same node and none of these components are pre-installed on the node:
  - DB2 Universal Database, Version 8.1
  - IBM HTTP Server, Version 1.3.26
  - WebSphere Application Server base product, Version 5.0
  - WebSphere Commerce Server
  - WebSphere Commerce Payments
- Ensure that no Java Runtime (JRE) is installed on your system before you launch the WebSphere Commerce installer. The installer may use the preexisting JRE which could cause it to fail.
- If you want to create a WebSphere Commerce instance in a language other than the language in which you are installing, you cannot use the Quick installation.

Before installing WebSphere Commerce

Before you perform a Quick installation of WebSphere Commerce, you must do the following:

1. Log on as `root`.
2. Create a non-root user ID and give the new user ID a password.

   This user ID will be used to start the WebSphere Commerce and WebSphere Commerce Payments application servers as part of the instance creation part of the Quick installation process.
3. Create a new user group and add the non-root user ID to the new group.

   Take note of the non-root user ID, user group ID for the non-root user, and the full path of the home directory for the non-root user. This information will be required to complete the WebSphere Commerce installation wizard.

   By default, the WebSphere Commerce installation wizard specifies **wasuser** as the non-root WebSphere Commerce user ID and **wasgroup** as the group ID for the non-root WebSphere Commerce user ID. You can either create this user and group or replace the default values in the installation wizard with the user ID and group you create.
4. Create the user ID `mqm` and give the user ID a password.
5. Create the following user groups:

- mqm
- mqbrkrs

6. Add the following users to the mqm user group:
   - mqm
   - root

7. Add the following user to the mqbrkrs user group:
   - root

8. Log off.

9. Log on as root to allow the group membership changes to take effect.

For instructions on creating users, creating user groups, and adding users to groups, refer to your operating system documentation.

If these user IDs and groups are not set up correctly before starting the WebSphere Commerce installation wizard, the installation wizard will fail.

Completing a Quick installation

To complete a Quick installation, do the following:

1. Ensure that you are logged onto your system as root.

2. From a terminal session, issue the following command:

   export DISPLAY=*host_name*:0.0

   where *host_name* is the fully qualified host name of the machine from which you want to run the installation wizard.

   Note: If you are running the installation wizard in an X client, the X client may need to be authorized to access the X server using the xhost command. To authorize an X client, issue the following command from the system console as root:

   xhost +*host_name*

   where *host_name* is the fully qualified host name of the machine from which you want to run the installation wizard.

3. Insert the WebSphere Commerce Disk 1 CD. Mount the CD-ROM drive, but do not change directory to the mount point. Changing directories to the mount point will lock the CD drive and prevent you from being able to swap CDs.

4. Issue one of the following commands:

   mount_point/setup_solaris

   or

   mount_point/setup_solaris -console

where *mount_point* is the CD-ROM mount point. For example, /mnt/cdrom0.

Using the -console parameter starts a text-based install wizard. The steps in the text-based install wizard and the GUI-based install wizard are the same, but the methods of selection options and continuing in the install wizard differ.

In this section, instructions for selecting options and continuing are provided only for the GUI-based install wizard. To select options and continue when using the text-based install wizard, follow the prompts provided by the text-based install wizard.

5. Select the installation language, and select **OK**. The software will be installed in this language, regardless of the language settings of your system.

6. Read the Welcome screen, and select **Next**.

7. Read the license agreement. If you accept the terms of agreement, select that you accept the terms, and select **Next**.

8. When prompted to select an install type, select **Quick Installation**, and select **Next**.

9. Accept the default destination directory or enter another directory, and select **Next**.

   If you accept the default paths, the WebSphere Commerce components will be installed to the following paths:

   DB2 Universal Database
   : /opt/IBM/db2/V8.1

   IBM HTTP Server
   : /opt/WebSphere/IBMHttpServer

   WebSphere Application Server
   : /opt/WebSphere/AppServer

   WebSphere Commerce
   : /opt/WebSphere/CommerceServer55

10. Enter the following information:

    Database user ID
    : Enter a user ID that you want to assign to DB2. This user ID will be used by WebSphere Commerce to access the database when WebSphere Commerce is running.

      This must not be an existing operating system ID.

    Database user password
    : Enter the password associated with the database user ID.

Database user group

Enter a user group to which you want to assign the database user ID.

This must not be an existing operating system group.

Database user home directory

Enter the full path for the database user's home directory.

This must not be an existing directory.

Merchant Key

Enter a 16–digit hexadecimal number that meets the following criteria:

- Must contain at least one numeric character (0–9)
- Must contain at least one alphabetic character (a–f)

    Important: Uppercase letters are not valid in the merchant key.

- Cannot contain four consecutive occurrences of a character

A hexadecimal number can only contain the following numbers and letters: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, a, b, c, d, e, f.

The merchant key is used by the WebSphere Commerce Configuration Manager as an encryption key. You must enter your own key in the **Merchant key** field. Ensure that the key that you enter will be sufficient to protect your site. After you have created a store you can only change this key by using the Database Update Tool. To use this tool, access Configuration Manager, right-click on the database node, and select **Database Update Tool**.

WebSphere Commerce Payments instance password

This is the password used by WebSphere Commerce Payments to decrypt any sensitive data that is stored in the WebSphere Commerce Payments database.

The WebSphere Commerce Payments instance password must meet the following criteria:

- Must contain at least one numeric character (0–9)
- Must contain at least one alphabetic character (a–z, A–Z)
- Cannot contain four consecutive occurrences of a character

Site Administrator ID

Enter an ID for the WebSphere Commerce Site Administrator. This ID will be required to access the WebSphere Commerce Accelerator, Administration Console, and Organization

Administration Console. This ID will also be assigned the WebSphere Commerce Payments Administrator role.

Important: Ensure that you do not forget the Site Administrator ID and password entered when installing WebSphere Commerce. Without this ID and password, you will not be able to access WebSphere Commerce Accelerator, Administration Console, or Organization Administration Console.

Site Administrator password
Enter the password for the Site Administrator. The Site Administration password must contain at least 8 characters.

Click **Next** to continue.

11. Select the languages of the documentation that you want installed, then click **Next** to continue.

12. Enter the following information:

Non-root user ID
Enter the ID for the non-root user you created before starting the WebSphere Commerce installation wizard.

Non-root user group
Enter the user group associated with the non-root user ID.

Non-root user home directory
Enter the full path to the non-root user's home directory.

Location of Web server configuration file
This field displays the location of the IBM HTTP Server configuration file (`httpd.conf`). This value cannot be changed.

Click **Next** to continue.

13. Confirm your installation choices, or modify your choices, then select **Next**.

14. Insert and mount the CDs as prompted by the WebSphere Commerce Installer, following the on-screen prompts.

Progress bars indicate how much of the installation has completed.

15. When the panel containing a message indicating that the installation is complete displays, select **Next**. The Installation Complete panel displays.

16. From the Installation Complete panel, you can access more information about WebSphere Commerce or exit the installation wizard by clicking **Finish**.

Verifying your installation

During the installation of WebSphere Commerce and its components, log files are generated. Examine the following log files to ensure that your installation was successful:

- "DB2 Universal Database installation log"
- "WebSphere Application Server installation log" on page 21
- "WebSphere Commerce installation log" on page 21
- "WebSphere Commerce instance creation logs" on page 21

DB2 Universal Database installation log

This log contains messages generated during the installation of DB2 Universal Database. The default location for this log file is the following:

WC_installdir/logs/db2setup.log

Default values for *WC_installdir* are listed in "Path variables" on page 14.

DB2 Universal Database installed successfully if all of the components listed in the Installation section near the end of the log file have a status of SUCCESS. As an example, here is the Installation section of the DB2 Universal Database installation log file from a typical single-node installation:

```
Installation
------------

DB2 Client                                           SUCCESS
Code Page Conversion Support - Uni Code Support      SUCCESS
Code Page Conversion Support - Japanese              SUCCESS
Code Page Conversion Support - Korean                SUCCESS
Code Page Conversion Support - Simplified Chinese    SUCCESS
Code Page Conversion Support - Traditional Chinese   SUCCESS
Java Support                                         SUCCESS
Common Jar Files                                     SUCCESS
DB2 Run-time Environment                             SUCCESS
DB2 Engine                                           SUCCESS
Transformer Stored Procedure Files                   SUCCESS
DB2 Communication Support - TCP/IP                   SUCCESS
DB2 Communication Support - SNA                       SUCCESS
DB2 Communication Support - DRDA Application Server  SUCCESS
DB2 Communication Support - IPX/SPX                  SUCCESS
Administration Server                                SUCCESS
DB2 Connect Support                                  SUCCESS
Replication                                          SUCCESS
DB2 Control Server                                   SUCCESS
DB2 Sample Database Source                           SUCCESS
Distributed Join for DB2 Data Sources                SUCCESS
Getting Started                                      SUCCESS
Light-weight Directory Access Protocol               SUCCESS
Product Signature for DB2 UDB Enterprise Edition     SUCCESS
DB2 Application Development Tools (ADT)               SUCCESS
DB2 Sample Applications                              SUCCESS
Stored Procedure Builder                             SUCCESS
```

The content of your log file may be different.

If the `Installation` section of the DB2 Universal Database installation contains any components with a status of `FAILURE`, examine the installation log file carefully to see where errors occurred during installation. Refer to the DB2 Universal Database documentation to correct any errors that occurred.

Correct any DB2 Universal Database installation errors before continuing with the instructions in this book.

WebSphere Application Server installation log

This log contains messages generated during the installation of WebSphere Application Server. The default location for this log file is:

`WAS_installdir/logs/log.txt`

Default values for *WAS_installdir* are listed in "Path variables" on page 14.

The WebSphere Application Server installation is complete if the following message appears in the log file:

`INSTFIN: The WebSphere 5.0 install is complete.`

WebSphere Commerce installation log

This log contains messages generated by the WebSphere Commerce installation wizard. The default location for this log file is:

`WC_installdir/logs/install_date_time.log`

Default values for *WC_installdir* are listed in "Path variables" on page 14.

Review this log to ensure that all components of WebSphere Commerce installed successfully.

The WebSphere Commerce installation is complete if the following message appears in the log file:

`WebSphere Commerce installation Complete.`

WebSphere Commerce instance creation logs

Instance creation during the WebSphere Commerce installation creates the following log files:
* auction.log
* createdb.log
* createdb_db2.log
* createsp.log
* populatedb.err.log
* populatedb.log
* populatedb2.err.log
* populatedb2.log

- populatedbnl.err.log
- reorgdb2.log
- trace.txt

The files are located in the following directory:

`WC_installdir/instances/demo/logs`

Default values for *WC_installdir* are listed in "Path variables" on page 14.

Instance creation is successful if the log files listed earlier do not contain any errors or exceptions and the following logs from the list above are empty:

- populatedb.err.log
- populatedb2.err.log
- populatedbnl.err.log
- reorgdb2.err.log (this file is only created if there is an error)

Also, review the contents of the following logs to confirm they do not contain any errors:

- createdb.log
- createdb_db2.log

If instance creation failed, the WebSphere Commerce instance can be created manually by following the instructions in the *WebSphere Commerce Installation Guide*.

The next step

After installing WebSphere Commerce and verifying the installation, you can continue by doing the following:

Publish a WebSphere Commerce sample store (recommended)

WebSphere Commerce provides a number of samples stores demonstrating various functions in WebSphere Commerce. A WebSphere Commerce sample store can be used to familiarize yourself with WebSphere Commerce and as a base for a developing a customized store.

If you do not publish a sample store, you should publish the access control policies, organization structures, and other information associated with one of the sample stores to provide the framework for developing your store.

For information on publishing a WebSphere Commerce sample store, refer to the "Publishing a store archive in WebSphere Commerce" topic in the WebSphere Commerce Production and Development online help. To work with the sample stores provided with WebSphere Commerce, see the *WebSphere Commerce Sample Store Guide*.

For information on developing a store in WebSphere Commerce, refer to the *WebSphere Commerce Store Development Guide*.

Install additional software provided with WebSphere Commerce (optional)

WebSphere Commerce provides a number of additional software packages that enhance WebSphere Commerce and provide additional function. For more information on the additional software provided with WebSphere Commerce, refer to the *WebSphere Commerce Additional Software Guide*.

Chapter 4. Where to find more information

More information about the WebSphere Commerce system and its components is available from a variety of sources in different formats. The following sections indicate what information is available and how to access it.

WebSphere Commerce information

The following are the sources of WebSphere Commerce information:

- WebSphere Commerce online help
- WebSphere Commerce technical library

WebSphere Commerce online help

The WebSphere Commerce online information is your primary source of information for customizing, administering, and reconfiguring WebSphere Commerce. After you have installed WebSphere Commerce, you can access topics in the online information by visiting the following URL:

```
https://host_name:8000/wchelp/
```

where *host_name* is the fully qualified TCP/IP host name of the machine on which WebSphere Commerce is installed.

WebSphere Commerce technical library

The WebSphere Commerce technical library is available at the following URL:

```
http://www.ibm.com/software/commerce/library/
```

A copy of this book, and any updated versions of this book, are available as PDF files from the Library section of the WebSphere Commerce Web site. In addition, new and updated documentation may also be available from the Web site.

WebSphere Commerce Payments information

Help for WebSphere Commerce Payments is available by clicking the following help icon:

This help icon displays on the WebSphere Commerce Payments user interface within the WebSphere Commerce Administration Console and WebSphere Commerce Accelerator and in the standalone WebSphere Commerce Payments user interface at the following URL:

```
http://host_name:http_port/webapp/PaymentManager
```

or

```
https://host_name:ssl_port/webapp/PaymentManager
```

Where the variables are defined as follows:

host_name
> The fully qualified TCP/IP host name of the Web server associated
> with WebSphere Commerce Payments.

http_port
> The HTTP port used by WebSphere Commerce Payments. The default
> HTTP port is 5432.

ssl_port
> The SSL port used by WebSphere Commerce Payments. The default
> SSL port is 5433.

If WebSphere Commerce Payments is SSL-enabled, use the secure URL (https).
Otherwise, use the non-secure URL (http).

Help is also available at the following URL:

```
http://host_name:http_port/webapp/PaymentManager/language/docenter.html
```

or

```
https://host_name:ssl_port/webapp/PaymentManager/language/docenter.html
```

Where the variables are defined as follows:

host_name
> The fully qualified TCP/IP host name of the Web server associated
> with WebSphere Commerce Payments.

http_port
> The HTTP port used by WebSphere Commerce Payments. The default
> HTTP port is 5432.

ssl_port
> The SSL port used by WebSphere Commerce Payments. The default
> SSL port is 5433.

language
> A language code for the language in which the help page will be
> displayed. It is two letters for most languages. The language codes are
> as follows:

Language	Code
German	de

Language	Code
English	en
Spanish	es
French	fr
Italian	it
Japanese	ja
Korean	ko
Brazilian Portuguese	pt
Simplified Chinese	zh
Traditional Chinese	zh_TW

More information about WebSphere Commerce Payments and the Payments Cassettes is available at the WebSphere Commerce Technical Library:

`http://www.ibm.com/software/commerce/library/`

IBM HTTP Server information

IBM HTTP Server information is available at the IBM HTTP Server Web site:

`http://www.ibm.com/software/webservers/httpservers/`

The documents are in HTML format, PDF files, or both.

WebSphere Application Server information

WebSphere Application Server information is available at the WebSphere Application Server InfoCenter:

`http://www.ibm.com/software/webservers/appserv/infocenter.html`

DB2 Universal Database information

The HTML documentation files are available under the /doc/*locale*/html subdirectory, where *locale* is the language code for your locale (for example, *en* for American English). Any documentation that is not available in a national language is shown in English.

For a complete list of the available DB2 documentation, and how to view or print it, refer to the *DB2 Quick Beginnings for UNIX* book. Additional DB2 information is available at the DB2 Technical Library:

`http://www.ibm.com/software/data/db2/library/`

Other IBM publications

You can purchase copies of most IBM publications from your IBM authorized dealer or marketing representative.

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