#### IIC Installation Guide

#### Part 1: Installing the Express Runtime product for Development

- 1. Install Windows Server 2003 or Windows XP (See ER22\_Installation.ppt for the system requirements for IBM Express Runtime)
- 2. You will need to add a new user account with administrator authority
  - For Windows XP From the Control Panel -> User Accounts, create a new user account er22admin with administrator authority and set the password to er22admin.
  - For Windows 2003 From the Administrative Tools -> Computer Management ->
    Local Users and Groups, use the Action -> New User... to create a new user account
    er22admin with a password of er22admin and set option to Password never expires.
    Then select this user, and open Properties. On the Member Of tab, remove Users and
    add Administrators.
- 3. Insert Express Runtime disk 1, if you have autorun turned on, the Launch Pad program will automatically start. If you do not, you can run launchpad.exe from disk 1.
- The Express Runtime Launch Pad screen will appear. If the course is going to be taught in a language other than English, you may select another language using the dropdown -> Language selection (See Figure 1 – Step 1).
- 5. Click on **Install** (See Figure 1 Step 2).

🕘 Express Runtime Launch Pad	
Installation Launch Pac	
	1 (Language selection: English
Welcome	BM Express Runtime Installation Options
Release Notes	
Migration 3	Installation for Development     Palest this action to install the IBM Express Burtime development environment. This Falines based
Install 2	development environment includes wizards, examples, and documentation that help you create and
Exit	package a single, fully integrated solution. You can then deploy this solution as a single product for your customer. Read the <u>pre-installation requirements</u> before performing this installation.
	<ul> <li>Tools are also available for extending the IBM Console for Express Runtime which provides administrative support for deployed solutions. The IBM Console for Express Runtime tools require the installation of additional Eclipse packages into the Express Runtime development environment. For more information regarding the installation of the IBM Console for Express Runtime Tooling refer to the "Installing" section of the IBM Console for Express Runtime information center.</li> <li>Installation for Deployment</li> <li>Select this option to install IBM middleware that provides a foundation for Web-based applications into a production environment. Read the pre-installation requirements before performing this installation. During the installation, you can select a combination of the following software:</li> <li>IBM DB2 Express Version 9.1 or IBM Informix Dynamic Server Express Version 10.0 C5</li> <li>IBM WebSphere Application Server Express Version 6.1</li> <li>IBM Console for Express Runtime Version 2.2</li> </ul>

6. Click on Installation for Development (See Figure 1 – Step 3).

Figure 1 Express Runtime Launch Pad

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- 7. This will bring up the InstallShield for Express Runtime.
- 8. On the IBM Express Runtime 2.2 Installer Welcome screen, click Next.
- 9. On the License Agreement screen, select I accept and click Next.
- 10. On the Installation location screen, click Next.
- 11. On the **Middleware options** screen (see Figure 2), select only **Middleware for Windows** and click **Next**.

😫 IBM Express Runtime	2.2 Installer
	To save space, select only the platforms of the computers on which the IBM middleware will run. If you want to include additional platforms later, run this installation program again.  Typical Installation Middleware for Windows (1.3 GB) Middleware for Linux (1.9 GB) Middleware for Linux on POWER (1.3 GB) Middleware for OS/400 (i5/OS) (1.2 GB)
InstallShield	< Back Next > Cancel

Figure 2 Middleware option screen

12. On the Summary screen, click Next.

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- 13. The first half of the installation begins and runs for approximately one hour.
- 14. On the Installation complete screen (see Figure 3), make sure that Launch First Steps panel is un-checked and click Finish to complete the first half of the install.



Figure 3 Installation complete screen

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#### Part 2: Installing the Workshop solution

1. Back on the Express Runtime Launch Pad (Figure 4), click on Installation for Deployment.



Figure 4 Express Runtime Launch Pad

- 2. On the License Agreement screen, select I accept and click Next.
- 3. You will see a progress indicator Installing temporary files...
- 4. On the **Deployment Wizard Welcome** screen, click **Next**.

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5. On the Select Tasks screen (Figure 5), select all 4 options and click Next.



Figure 5 Select Tasks screen

- 6. On the Database screen, select DB2 Express and click Next.
- 7. On the Application server screen, select WebSphere Application Server Express and click Next.
- 8. On the Web server screen, select IBM HTTP Server and click Next.
- 9. On the Administration screen, select Express Runtime console 2.2 and click Next.

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- 10. On the **Specify Target Computers DB2 Express** screen (Figure 6), enter the following data:
  - Target Computer: localhost
  - User ID: er22admin
  - Password: er22admin
  - Select Save this login information
  - Click Next.

🕵 Deployment Wizard		X			
File Edit View Help					
	IBM Express Runtime 2.2 Middleware				
	Specify Target Computers - DB2 Express	^			
√Welcome	Provide the host name or IP address for the target computer where you want				
✓ Select Tasks	to deploy DB2 Express.				
-> Specify Targete	Operating system: Linux, Linux on POWER, Windows				
DB2 Express	Provide a user ID and password with administrative privileges for the target computer.				
WebSphere Application \$	Target Computer: localhost (this computer)				
IBM HTTP Server	Operating system: Windows				
Express Runtime consol	User ID: er22admin				
✔Configure Parameters	Password:				
<b>√</b> Summary	Cave this leave information				
Status					
	Test connections				
< · · · · >					
Help	< Back Next	t >			

Figure 6 Specify Target Computers screen

- 11. On the **Specify Target Computers WebSphere Application Server Express** screen, the Target Computer should be **localhost**, click **Next**.
- 12. On the **Specify Target Computers IBM HTTP Server** screen the Target Computer should be **localhost**, click **Next**.
- 13. On the **Specify Target Computers Express Runtime console 2.2** screen the Target Computer should be **localhost**, click **Next**.

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14. On the Configure Parameters - DB2 screen (Figure 7), enter the following data:

- DB2 Instance User Name: er22admin
- DB2 Instance User Password: er22admin
- Verify password: er22admin
- DB2 Administration Server (DAS) User Name: er22admin
- DB2 Administration Server (DAS) User Password: er22admin
- Verify password: er22admin
- Click Next.

😢 Deployment Wizard		
File Edit View Help		
KO - 0 A ->	IBM Express Runtime 2.2 Middleware	
√Welcome	Configure Parameters - DB2 Universal Database Express Edition for Windows Provide information for the configuration parameters and click Next.	
✓ Select Tasks		
✓ Specify Targets	Typical Advanced	
-> Configure Parameters	* DB2 Copy Name DB2	<u> </u>
DB2 Express DB2 Universal Database E	* DB2 Instance Name DB2	
WebSphere Application Servi IBM HTTP Server Express Runtime console 2.2	* DB2 Instance User Name	
Summary	* DB2 Instance User Password  * Verify password:	
Status	* DB2 Administration Server (DAS) User Name	S I
	* DB2 Administration Server (DAS) User Password	
	* Verify password:	
	The password to be used for the DAS user. * DB2 port number  50000	
Help	< B	ack Next >

Figure 7 Configuration Parameters – DB2 screen

- 15. On the Configure Parameters WebSphere Application Server screen, click Next.
- 16. On the Configure Parameters HTPP Server screen, click Next.
- 17. On the Configure Parameters Web server plug-in screen, click Next.

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- 18. On the **Configure Parameters Express Runtime console for Windows** screen (Figure 8), enter the following data:
  - Console administrator ID: er22admin
  - Console administrator password: er22admin
  - Verify password: er22admin
  - Click Next.

🕏 Deployment Wizard		
File Edit View Help		
KO 📮 🕑 A 🔶	IBM Express Runtime 2.2 Mid	dleware
√Welcome	Configure Parameters - Express Runtin Provide information for the configuration	ne console for Windows n parameters, and click Next.
✓Select Tasks		
✓ Specify Targets	Typical Advanced	
→ Configure Parameters	* indicates required fields	
DB2 Express		
VVebSphere Application S	* Installation directory	C:\Program Files\IBM Browse
IBM HTTP Server		
Express Runtime consol	* Console administrator ID	er22admin
Express Runtime cons	* Concole administrator password	******
Summary	* Verify password	*******
Chatria	stem) pacencia.	
Status	Use LocalSystem as the console service user?	⊙ Yes ○ No
	* HTTP port	1180
	* HTTPS port	1443
<		
Help	24	< Back Next >

Figure 8 Configuration Parameters – Express Runtime console screen

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19. On the Summary Panel screen (Figure 9), click Deploy All.



- 20. The second half of the installation begins and runs for approximately 100 minutes.

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- 21. On the Deployment status screen (see Figure 10), if you do not see 100% successful, contact Express Runtime technical support.
- 22. If it is successful, click Close to complete the second half of the install.

File Edit View Help				
	100			
	IBI	A Express Run	time 2.2	Middleware
√Welcome √Select Tasks	Deployment Status The deployment status for all the tasks you selected to deploy appears in the deployment messages table.			
✓ Specify Targets		100% Estimated total time remaining:		Estimated total time remaining: 0 minutes
✓Configure Parameters				
40		Time	Message	
▼ Summary		2007-02-22 20:22:58	Successful	lly deployed: DB2 Express
→Status	~	2007-02-22 20:36:15	Successful	ly deployed: WebSphere Application Server - Express
	1	2007-02-22 20:42:47	Successful	ly deployed: IBM HTTP Server
	~	2007-02-22 20:55:00	Successful	ly deployed: Express Runtime console 2.2
Help			Detailed r	messages Master log

Figure 10 Deployment status

- 23. You will be prompted Do you want to save the changes? Click No.
- 24. You will be prompted Do you want to exit the deployment wizard? Click Yes.
- 25. On the Express Runtime Launch Pad, click on Exit.
- 26. You will be prompted Are you sure you want to exit? Click OK.