IBM® WebSphere® Everyplace® Deployment for Windows and Linux Version 6

Installation

@business on demand.

This presentation explains how to install the IBM WebSphere Everyplace Deployment for Windows and Linux Version 6
client platform.

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Goals

- Understand the how to install and configure IBM WebSphere Everyplace Deployment for Windows and Linux Version 6

The goal of this presentation is to understand the serviceability support provided by IBM WebSphere Everyplace Deployment for Windows and Linux Version 6.

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Agenda

- Installation
- Configuration

The agenda of this presentation is to explain how to install and configure the client platform.

Let's start with an explanation of the how to install the IBM WebSphere Everyplace Deployment for Windows and Linux Version 6 client.

CD/Image Contents

- index.html – Getting Started
  - links to installation executable
  - links to Release Notes
- install directory
  - installation executable files
- updates directory
  - platform – contains additional Platform features (including NLV features)
  - eval – contains Developer Tools and Tech Preview/Evaluation features
  - service – contains System Management installation features
- applet directory
  - Sample web pages and applet for launching install from a server-based HTML page
- docs/<locale>
  - Users_Guide.pdf – Information on using the platform
  - System_Admin_Guide.pdf – Information on configuration, security, integration with the Device Manager Server

Installation Pre-requisites

- Minimum hardware requirements include the following for the client machines:
  - ▶ 256MB RAM
  - ▶ 150 MB free disk space
  - ▶ x86 processors capable of supporting Windows XP

- Windows IA32 and Linux IA32 environments are supported as follows:
  - ▶ Microsoft® Windows XP Service Pack 1
  - ▶ Microsoft Windows XP Service Pack 2
  - ▶ RedHat® EL 3.0 WS with GTK support – Update 3
    - Only Mozilla 1.4.3 version of the browser is supported

Installation Types

- Standard Install
  - ▶ Installs the runtime for users to use
  - ▶ Desktop Launchable UI
  - ▶ Use setupwin32.exe or setuplinux.bin to install

- System Management Install
  - ▶ Intended to be a management agent for IBM WebSphere Everyplace Deployment Version 6 Server, WebSphere Everyplace Device Manager usage
  - ▶ Should be installed at the direction of an Enterprise's Administrator
  - ▶ Runs as a service
  - ▶ Use setupwin32_service.bat or setuplinux_service.sh to install

Installation Options – Setup Type

- Minimal
  - ▸ A set of plug-ins sufficient to run the platform and the workbench
  - ▸ Contains at least equivalent function of WCTME EO 5.8.1 installation
- Full
  - ▸ Installs all plugins included with Minimal and additional plugins that provide enhanced capabilities

Approximate sizes for Windows as reported by InstallShield	Minimal	Full
US English	89.3M	96.9M
NLV Group 1	97.5M	105.1M
NLV Group 2	102.2M	109.9M

- Locale specific plugins organized into Group 1 and Group 2 Language Features
  - ▸ installed based on system setting
  - ▸ additional groups can be optionally installed
- Post-install updates
  - ▸ All plugins part of Full, not installed with Minimal, can be installed later
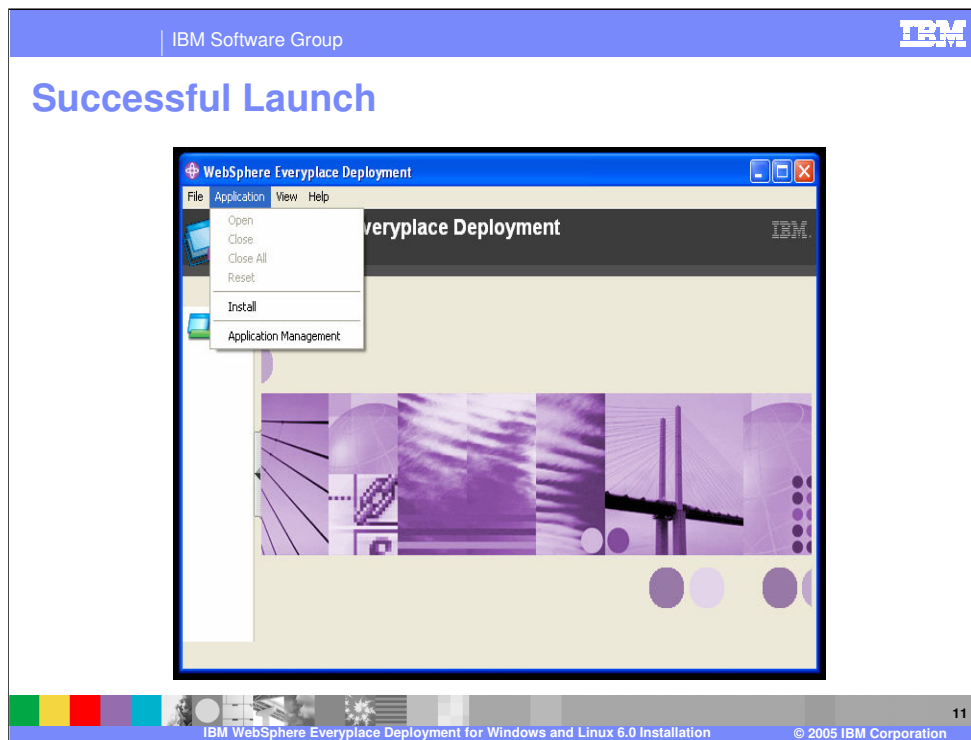
Installation Options – Enterprise Management Agent Configuration

- Agent can be configured during installation
  - ▶ Device User Name and Password
  - ▶ Management Server location

- Post-install configuration through Preference Page

• Mention SSL Configuraiton issues

Installation Options - Migration

- Installer detects existing installation of WCTME EO 5.8.1

- Applications and some configuration information can be copied from the 5.8.1 installation

- Plug-ins, configuration, and workspace info will be copied to new workspace

- Additional data located on drive will not necessarily be migrated

- Should follow up migration with an Application Verification Test.   If the Application fails, uninstall and perform a fresh install of the application into IBM WebSphere Everyplace Deployment for Windows and Linux Version 6.

IBM Software Group

Successful Launch

IBM WebSphere Everyplace Deployment for Windows and Linux 6.0 Installation

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•On successful install, icon added to desktop for installing user

•Launch icons added to the start menu

Install Layout

- Plug-in locations
  - ▶ c:\Program Files\IBM\WED (Default install directory on Windows)
  - ▶ /opt/IBM/WED   (default install directory on Linux)
    - eclipse – Plug-ins provided by eclipse.org
    - rcp – Plug-ins provided by IBM
    - shared – Intended for application plug-ins to be shared among multiple users
  - ▶ User home directory
    - *User_home_directory*\IBM\RCP\<rcp.install.id>\userid\applications\user – applications only available to this user

- Each directory has features and plugins directory

- Launcher
  - ▶ <install_location>\rcp\rcplauncher.exe
  - ▶ <install_location>/rcp/rcplauncher

- Main configuration file
  - ▶ <install_location>\rcp\rcpinstall.properties

Additional Install Topics

- Silent Installation
  - ▸ InstallShield uses options files for input, eliminating the UI
  - ▸ Simplifies installation process for inexperienced users
  - ▸ Documented in the System Administrator's Guide

- Customized Installation
  - ▸ Enables distribution of a customized platform (such as additional bundles)
  - ▸ Would typically be used within an enterprise deployment
  - ▸ Documented in the System Administrator's Guide

- Sample One Click Installation
  - ▸ Mechanism to provide a one-click web-based installation of the client platform
  - ▸ Can also be silently installed using this method
  - ▸ Documented in the System Administrator's Guide

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Section

Configuration

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Next, let's cover how to configure the IBM WebSphere Everyplace Deployment for Windows and Linux Version 6 client.

Eclipse Workspace and Configuration

- Default workspace location
  - ▸ *User_home_directory*\IBM\RCP\<rcp.install.id>\userid

- Default Configuration location
  - ▸ *User_home_directory*\IBM\RCP\<rcp.install.id>\userid\.config

- rcp.install.id – ID generated at platform installation

- Workspace and Configuration location can be changed via command line options

Configuration – rcpinstall.properties

- Provides configuration information used by the launcher to start the Java code

- Default required info provided during installation

- File can be edited to define Java system properties, additional library paths, VM arguments, and more.

rcpinstall.properties example (Windows)

```
#Thu Aug 25 09:09:02 CDT 2005
-Dcom.ibm.osg.webcontainer.port=0
install.configuration=user
vm=C:/Program Files/IBM/WED/rcp/eclipse/plugins/com.ibm.rcp.j2se.win32.x86_1.4.2.SR2/jre/bin/javaw.exe
library.path.append=;C:/Program Files/IBM/WED/rcp/eclipse/plugins/com.ibm.tivoli.agentext.win32.x86_1.8.0.20050825/InventoryScanner; \
C:/Program Files/IBM/WED/rcp/eclipse/plugins/com.ibm.db2e.win32.x86_8.2.1.5-20050825/os/win32/x86; \
C:/Program Files/IBM/WED/rcp/eclipse/plugins/com.ibm.mobileservices.isync.win32.x86_8.2.1.6-20050825/os/win32/x86;
-Dcom.ibm.pvc.osgiagent.core.logfileloc=C:/Program Files/IBM/WED/rcp
-Dprovisioning.errorFile=C:/Program Files/IBM/WED/rcp/deploy/error.log
rcp.installId=1124978908123
Xbootclasspath.append=C:/Program Files/IBM/WED/rcp/loggerboot.jar;C:/Program Files/IBM/WED/rcp/properties
rcp.install.id=1124978908123
vmarg.com.ibm.jre.Xj9=-Xj9
-Dprovisioning.configFile=C:/Program Files/IBM/WED/rcp/deploy/install.properties
vmarg.com.ibm.jre.Xquickstart=-Xquickstart
application=com.ibm.eswe.workbench.WctWorkbenchApplication
cp=C:/Program Files/IBM/WED/eclipse/startup.jar
-Djava.util.logging.config.class=com.ibm.rcp.core.logger.boot.LoggerConfig
```

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