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Preface

Who should read this guide
This guide is written for Elluminate Live!® and Elluminate Publish!™ users of all levels of expertise.

Updates to this guide
Occasionally, updates are made to this guide. For the latest version, see the Elluminate Publish! webpage at http://www.elluminate.com/publish/info.jsp.

Conventions used in this guide

Operating system differences
This guide is written for Elluminate Publish! users on Windows, Linux and Mac platforms and gives instructions for all supported operating systems.

Screen captures
Most of the screen captures shown in this guide were taken in a Windows environment. If you are running Elluminate Publish! on a Mac or Linux, the appearance of windows, dialog boxes, etc. will differ slightly from those shown in this guide.

Notes
Three types of notes are used in this guide to highlight information:

- Notes of this format are used to highlight important information or to present asides relevant to the topic at hand.
- This is a tip. Tips provide helpful information on how to most effectively use a particular function in Elluminate Publish!
- This is a caution. Cautions alert you to potentially confusing terminology or difficulties that may occur when using Elluminate Publish!
Typographical conventions

<table>
<thead>
<tr>
<th>Convention</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Number</td>
<td>Used to indicate a step in a task.</td>
</tr>
<tr>
<td>✓ Checkmark</td>
<td>Used for listing the different options available to you to complete a task or function. Pick one only.</td>
</tr>
<tr>
<td>Bold</td>
<td>Used to give emphasis to a word.</td>
</tr>
<tr>
<td>Italics</td>
<td>Used to represent options or parameters. Also used in cross references to sections in this guide or other guides.</td>
</tr>
<tr>
<td>Underline</td>
<td>Used for links, such as links to websites.</td>
</tr>
<tr>
<td>Monospace</td>
<td>Used to indicate pathnames, filenames and folders.</td>
</tr>
</tbody>
</table>

End User Elluminate Technical Support

Elluminate technical support for end users is available through the following channels:

<table>
<thead>
<tr>
<th>Support Website</th>
<th><a href="http://www.elluminate.com/support">http://www.elluminate.com/support</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Support Portal</td>
<td><a href="http://support.elluminate.com">http://support.elluminate.com</a></td>
</tr>
</tbody>
</table>
Chapter 1  Introduction

Product Overview

When you record an Elluminate Live! session, the recording is stored in a VCR\(^1\) file that can be played back on your computer. Playing VCR files requires a network connection to access the necessary Elluminate Live! software.

When a session is recorded, only the activity in the main room is recorded (except for private chat messages).

Using Elluminate Publish!\(^TM\), you can make the most of your Elluminate Live!\(^R\) recordings by publishing them to a variety of formats that can be played independently of a network connection, giving you freedom to play Elluminate Live! recordings wherever you like.

To play the audio of an Elluminate Live! recording while away from your computer, convert them to audio podcasts and listen to them on your iPod or other MP3 player. To play full Elluminate Live! recorded sessions while not connected to the Internet, create Elluminate Unplugged!\(^TM\) standalone recordings and play them on your desktop computer or laptop or create multimedia (movie) files to play on your portable movie player or player application on your computer.

You also can produce transcripts of your Chat and Closed-Captioning text in RTF format for reading or editing, or in SRT format for creating subtitles for your movies.

\(^1\) Virtual Conference Recording
Input Types

The following files can be used by Elluminate Publish! to generate output files. For details on accessing these files, refer to Accessing Recordings on page 18.

- **VCR (.vcr)** – A VCR (Virtual Conference Recording) file is the actual recording file generated by Elluminate Live! when a session is recorded.
- **JNLP (.jnlp)** – A JNLP (Java Network Launching Protocol) file contains the URL to a VCR file as well as the information required to launch the Elluminate Live! player for that recording.
- **MRF (.mrf)** – For information on Media Recording Files, see Media Recording Files on page 4.
- **URL** – This is a link to a valid file type, either VCR, JNLP or MRF

Output Files

The following table describes what output files can be created in Publish! and what content from the original recording is included in the output files.

<table>
<thead>
<tr>
<th>Elluminate Live recordings supported</th>
<th>Content included in output</th>
<th>Output file types</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Multimedia (movie)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V8 to V9</td>
<td>Audio, Application Sharing &amp; Whiteboard activity only</td>
<td>AVI, FLV, H.264, MOV, MP4 &amp; WMV</td>
</tr>
<tr>
<td></td>
<td>Closed Captioning activity only</td>
<td>.MovieCaption.rtf</td>
</tr>
<tr>
<td></td>
<td>Chat activity only</td>
<td>.MovieChat.rtf</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V6.5 to V9</td>
<td>Audio activity only</td>
<td>MP3, M4A, Ogg Vorbis, uncompressed WAV file</td>
</tr>
<tr>
<td><strong>Unplugged! recording</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V6.5 to V9</td>
<td>All Elluminate Live! activity</td>
<td>.jar</td>
</tr>
<tr>
<td><strong>Captioning Transcript</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V6.5 to V9</td>
<td>Closed Captioning activity only</td>
<td>.VCRCaption.rtf</td>
</tr>
<tr>
<td><strong>Chat Transcript</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>V6.5 to V9</td>
<td>Chat activity only</td>
<td>.VCRChat.rtf</td>
</tr>
</tbody>
</table>
**Multimedia (Movie) Files**

With *Publish!*, you can convert Elluminate *Live!* V8 and V9 recordings (.vcr and .jnlp files and URLs) or MRF files (see *Media Recording Files* on page 4) to any of the following multimedia file formats:

- AVI (Audio Video Interleave)
- FLV (Flash video)
- H.264 (MPEG-4 video with H.264 compression)
- MOV (QuickTime video)
- MP4 (MPEG-4 video)
- WMV (Windows Media Video)

While creating your multimedia file, you also can create transcript files from the recording’s Chat and Closed Captioning streams; these transcripts will be produced in the same time line as the movie. One type of Closed Captioning transcript (the SRT file) is suitable for generating subtitles to be merged with the generated movie.

---

When a multimedia file is created, only the Audio, Application Sharing and Whiteboard tracks will be included in the output file. If Application Sharing and Whiteboard activity is occurring at the same time within a recording, the Application Sharing will takes precedence over the Whiteboard during the creation of the multimedia file since both cannot be presented at the same time.

---

**Audio Files**

*Publish!* enables you to convert Elluminate *Live!* V6.5 to V9 recordings (.vcr\(^2\) and .jnlp\(^3\) files and URLs) or MRF files (see *Media Recording Files* on page 4) to any of the following audio file formats:

- MP3 (MPEG-3 audio – 32 or 64 kbps)
- M4A (MPEG-4 audio)
- Ogg Vorbis (open-source format)
- uncompressed WAV files (Waveform, uncompressed audio)

---

\(^2\) Virtual Conference Recording  
\(^3\) Java Network Launching Protocol
Unplugged! Recordings

With Publish!, you can convert an Elluminate Live! V6.5 to V9 recording to a standalone version (a .jar file) that can be viewed from your desktop or laptop without being connected to an Elluminate server or the Internet.

Closed Captioning and Chat Transcripts

Finally, Publish! enables you to convert the Chat and Closed Captioning streams of your Elluminate Live! V6.5 to V9 recordings (.vcr\(^4\) and .jnlp\(^5\) files and URLs) or MRF files (see Media Recording Files on page 4) in the same time line as the original recording.

Closed Captioning transcripts include all the entries from all captioners together in a single file. The transcripts include the captioner’s name, the time of the caption and the text of the caption. If there are multiple captioners, the caption information is aggregated into blocks, by captioner.

<table>
<thead>
<tr>
<th>Why are there two Chat and two Closed Captioning transcripts and when would I use either one?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chat or Closed Captioning transcripts that are created independently (not associated with a multimedia file) are named VCRChat and VCRCaption. When playing a VCR recording or an Unplugged! recording, periods of inactivity greater than 5 seconds are skipped; however, the time stamps displayed on the time slider of the recording will correspond to the times the various activities actually took place in the original session. To match this, the VCRCaption and VCRChat files will use the times in the original session for their entries.</td>
</tr>
<tr>
<td>Movie production eliminates even more “dead-air” from the time line, changing the time correspondence between the VCR recordings and transcripts and the movie playback. Publish! produces MovieChat and MovieCaption transcripts that hold the same data as the VCRChat and VCRCaption transcripts but use the time line of the movie, where the time in the transcript corresponds to the slider of the movie player. This retains the ability to use the transcripts as a guide to the movie.</td>
</tr>
</tbody>
</table>

Media Recording Files

When you create a movie file, an intermediate Media Recording File (MRF) is created automatically. This file is generated during the initial VCR analysis phase of the multimedia conversion process. This process takes place in real time and may be quite time consuming (e.g., it will take around one hour to analyze a one hour recording).

---

To save time, once you have created this MRF file, you can use it to create additional multimedia output files, thereby skipping the initial VCR analysis phase for each subsequent output production.

---

\(^4\) Virtual Conference Recording  
\(^5\) Java Network Launching Protocol
System Requirements

Operating system

Elluminate Publish! can be installed on Windows, Linux and Mac OS platforms:

- Windows XP or Vista
- Novell SUSE 10 Linux and Red Hat Linux (RHEL5)
- Mac OS X 10.4 or 10.5

Java

In order to run Elluminate Publish! and play Unplugged! recordings, you must have Java Runtime Environment (JRE) version 1.5 or higher running on your system. You can download the current Java Runtime Environment for your system from Sun’s Java website:


Note that Java version 6 on the download page is equivalent to JRE 1.6.
Chapter 2  Installing and Uninstalling 
Elluminate Publish!

Installing Elluminate Publish!

The installer for Elluminate Publish! can be downloaded from the Elluminate Publish! website (http://www.elluminate.com/publish/info.jsp) or found on the Elluminate Publish! installation CD.

⚠️ If you already have version 1.0 installed on your computer, uninstall it before installing version 2.0 (see Uninstalling Elluminate Publish! on page 12). If you uninstall version 1.0 after installing version 2.0, the uninstaller will remove both versions.

☑️ Each step below discusses a panel in the installer. Move between the panels by clicking the Next > button.

To install Elluminate Publish!, follow the steps below:

1. Click on the installer icon. The Welcome panel appears. (You don’t need to do anything here, so continue to the next panel.)

![Welcome to the Elluminate Publish! Setup Wizard](image)
2. Read the license agreement and select *I accept the agreement*. If you do not accept the agreement, you will not be able to continue with the installation.

3. Specify the directory in which you would like to install Elluminate *Publish!* Either accept the default directory or browse to and select a different directory.
To install over an existing version 1.0 on Windows (that was installed in the default location), select C:\Program Files\Elluminate. To install over an existing version 1.0 on Mac OS X (that was installed in the default location), select /Applications/Elluminate.

This panel lists the disk space required for Elluminate Publish! Make sure you specify a directory on a drive that has sufficient disk space.

The default locations are as follows:

**Windows**

C:\Program Files\Elluminate\Elluminate Publish

**Mac**

/Applications/Elluminate/Elluminate Publish

**Linux**

*Root Login:*

/opt/Elluminate/Elluminate_Publish

*Standard Login:*

/home/<user_name>/Elluminate/Elluminate_Publish

4. (Linux only) Specify the directory into which you would like to install the symlinks.

Root users can use the default location (/usr/local/bin). However, standard users typically do not have write access to this location and will have to choose a different directory.
5. (Windows users only.) Specify into which Start Menu folder you would like the program shortcut for Elluminate Publish! to be placed.

Select Start Menu Folder
Where should Setup place the program's shortcuts?

Select the Start Menu folder in which you would like Setup to create the program's shortcuts, then click Next.

Accessories
Administrative Tools
Adobe
Atera
Author-it 5
Broadcom
Dell
Elluminate
ElluminateLive
Games

Select the name of a Start Menu folder by doing one of the following:

✓ Accept the default name selected (Elluminate).
✓ Enter a new folder name.
✓ Select a folder from the list provided.

A subfolder, called Elluminate Publish!, will be added under the folder you specify so, if you used the default, the shortcut’s path will be Start > Programs > Elluminate > Elluminate Publish! > Elluminate Publish!
6. Specify whether or not you would like the installer to create an Elluminate Publish! icon on your desktop and (for Windows only) a Quick Launch icon in your taskbar.

7. Read the summary information and, if you are satisfied that you are installing Publish! in the correct location and with the appropriate settings, click Next > to start the installation process. (Otherwise, click Cancel to quit the installation process or < Back to change your settings.)
8. When installation is complete, the following panel is displayed. Select the option Run Elluminate Publish! if you would like to start the application immediately.

9. Click **Finish** to exit the setup.

![The Installing panel will appear, showing the progress of your installation.](image)

You can have Elluminate Publish! check for software updates automatically each time it is launched. For details, see General Preferences on page 29.
Uninstalling Elluminate Publish!

Windows

On Windows, use the uninstall application to remove Elluminate Publish! from your computer. The uninstaller performs four tasks:

- Removes the application icon from your desktop.
- Removes the Quick Launch icon in your taskbar.
- Deletes the application folder and its contents:
  
  C:\Program Files\Elluminate\Elluminate Publish

- Removes the Elluminate Publish! Start Menu items.

The Elluminate folder that was created during the installation process will not be deleted as other Elluminate applications may have been added to it since you initially installed Elluminate Publish!

To uninstall Elluminate Publish!, launch the uninstaller in one of two ways:

1. Select Start > Programs > Elluminate > Elluminate Publish! > Elluminate Publish! Uninstaller; or
2. Run the Elluminate Publish! executable file (uninstall.exe):
   
   C:\Program Files\Elluminate\Elluminate Publish\uninstall.exe

Mac

On the Mac, the uninstaller performs two tasks:

- Removes the application icon from your desktop.
- Deletes the application folder and its contents:

  /Applications/Elluminate/Elluminate Publish

To uninstall Elluminate Publish!, run the Elluminate Publish! uninstaller executable file:

/Applications/Elluminate/Elluminate Publish/Elluminate Publish! Uninstaller

If you created a desktop icon during installation, delete that as well.

---

7 If you installed in a location other than the default, use the path you specified in step 3 on page 7.
**Linux**

On Linux, the uninstaller performs three tasks:

- Removes the application icon from your desktop.
- Deletes the application folder and its contents:
  
  **Root Login:** /opt/Elluminate/Elluminate_Publish

  **Standard Login:** /home/<user_name>/Elluminate/Elluminate_Publish

- Removes the symlinks.

To uninstall Elluminate Publish!, run the Elluminate Publish! uninstaller executable file:

  **Root Login:**
  
  /opt/Elluminate/Elluminate_Publish/uninstall

  **Standard Login:**
  
  /home/<user_name>/Elluminate/Elluminate_Publish/uninstall
Chapter 3  Registering Elluminate *Publish!*  

Entering your license key and registration information when you start

The first time you launch Elluminate *Publish!* you will be prompted to enter your license key and registration information. If you do not have a license key, contact your Elluminate system administrator who can provide it to you.  

---

**Registration is mandatory.** You will not be able to use Elluminate *Publish!* until you complete the registration process. Each time you activate a new license key you will be asked to register again.

You may update your registration information from within Elluminate *Publish!* by selecting Registration from the Help menu.

1. Launch Elluminate *Publish!* in one of the following ways:
   - ✓ Click on the Elluminate *Publish!* icon on your desktop.
   - ✓ (Windows only) Click on the Quick Launch icon in your taskbar.
   - ✓ (Windows only) Navigate to and select the Start Menu shortcut. If you chose the default for your shortcut, select Start > Programs > Elluminate > Elluminate Publish! > Elluminate Publish!
   - ✓ Run the Elluminate *Publish!* executable file:
     - **Windows**
       ```
       C:\Program Files\Elluminate\Elluminate Publish\Publish.exe
     ```
     - **Mac**
       ```
       Applications/Elluminate/Elluminate Publish/Elluminate Publish
     ```
     - **Linux**
       ```
       Root Login:
       /opt/Elluminate/Elluminate_Publish/Elluminate Publish!
       Standard Login:
       /home/<user_name>/Elluminate/Elluminate_Publish/
       Elluminate Publish!
     ```

   The License Key panel appears.

---

8 When Elluminate *Publish!* is purchased, Elluminate sends a license key file to your organization via email.
2. Select and activate your license key file in one of the following ways:

- Browse to the file and click on **Activate**.
- Drag and drop the file into the License window and click on **Activate**.

The registration form opens.

3. (Optional) If you are behind a firewall and your browser requires a proxy to make a connection, you will need to define a proxy for **Publish!**
   
a. Click on the **Proxy Settings** button to open the Proxy Settings tab of the Preferences dialog.
   
b. Select **Manual Proxy Settings** and fill in the host names and ports with the information found in your browser. (For details, see **Proxy Setting Preferences** on page 30.)
4. Complete the registration form.

   a. Enter information about yourself and your organization.

   All fields marked with an asterisk (*) are mandatory: First Name, Last Name, Email Address, City, State/Province/County/Region and Country.

   The Country field may be filled in automatically based on information obtained from your computer’s system configuration.

   If the Country field is not automatically filled in, you will need to manually select it before you can select State/Province/Region.

   b. Select the desired options:

      - Technical information and updates: if you select this option, you will be placed on Elluminate’s technical mailing list and receive information such as tips on using Elluminate Publish! (and Elluminate’s other products) and information on the availability of Elluminate Publish! upgrades.

      - Other information and offers: if you select this option, you will be placed on an Elluminate mailing list and receive Elluminate’s semi-monthly newsletter Newsline, as well as occasional email promotions.

   c. Click on Register. This will open the registration confirmation panel that displays your registration information.
5. Confirm your registration information.

![Registration Information]

6. Click on the link Display the Elluminate Privacy Policy in the default browser to read the Privacy Policy.

7. Select the option I have read and accept the Elluminate Privacy Policy and click on Confirm.

To complete registration, you **must** select this option. If you do not, the Confirm button will be disabled.

The Elluminate Publish! application is launched.

**Entering your registration information from within the application**

You can update your registration information from within the application.

From the Help menu, select Registration and then follow the steps outlined in *Entering your license key and registration information when you start* on page 14 (beginning with step 4).
Chapter 4 Accessing Recordings

You need to supply Elluminate Publish! with either a .vcr file name, a .jnlp file name or a URL of the recording you wish to convert. This section discusses how to gain access to .jnlp files and URLs for use in Elluminate Publish! It does not discuss obtaining .vcr files.

Elluminate Publish! users typically will not have direct access to .vcr files and must request them from their Elluminate Live! administrator.

Publish! cannot resolve URL references to Elluminate Live! Manager recordings. To access an Elluminate Live! Manager recording, save the JNLP (as described below).

Saving JNLPs to your computer

A simple way to access a recording for conversion in Elluminate Publish! is to save a .jnlp file of the recording. To do so, you need to launch the recording.

Elluminate Publish! currently does not directly support Elluminate Live! Manager recording links. However, these recordings can be accessed by locally saving the .jnlp file of an Elluminate Live! Manager recording and using that file as input to Elluminate Publish!

Security controls set in the session scheduling server (Session Administration System or Elluminate Live! Manager) may prevent you from launching a recording. (You will receive an error message indicating that you don’t have the required access.) Consult your Elluminate Live! administrator to discuss access to secured recordings. (For further details, refer to Setting Session Scheduling Server Security Controls on 32.)

MRF files can also be used if the recording has previously been converted to a movie. For details, see Media Recording Files on page 4.
On Windows Using Internet Explorer 6 or 7

On Windows, you can save a .jnlp file of your recording to your computer by launching the recording and then intercepting the Internet Explorer download and saving the .jnlp file.

On Vista, you cannot intercept the .jnlp file using Internet Explorer 7. Use IE 6 or Firefox 3 instead or use a .vcr file rather than a JNLP file.

The following instructions explain how to do this with Windows XP.

1. Open Windows Explorer.
2. Select Folder Options… from the Tools menu.
3. Click on the File Types tab and select the JNLP File type, as depicted below:
4. Click on the **Advanced** button and then select **Confirm open after download**, as shown below.

![Edit File Type](image)

5. Launch the desired recording. You will be prompted to Open or Save the JNLP file.

6. Save the .jnlp file to a convenient location on your computer.

---

**On Windows or Linux Using Firefox 3**

On Windows or Linux you can intercept the Firefox download to save the .jnlp file.

1. Launch Firefox.

2. (Windows) From the Tools menu select Options and then select the Applications tab. (Linux) From the Edit menu select Preferences and then select the Applications tab.

3. In the column Content Type, find “JNLP File” and select “Always ask” in the Action column.
4. Launch the desired recording. You will be prompted to Open or Save the JNLP file.

5. Save the .jnlp file to a convenient location on your computer.

On the Mac

Follow the steps below to download the .jnlp file to your Mac:

1. Find the download location on your Mac by looking at the download settings in your preferred browser.

   ![Opening play.jnlp]

   Use any version of Firefox or any version of Safari before v.3.

2. Launch the desired recording. The .jnlp file of your recording will be automatically downloaded to the default download location (as specified by your browser).

Accessing URLs from the Session Administration System (SAS)

The best way to enter a recording URL into Elluminate Publish! is to copy it from another source and paste it into Elluminate Publish!

Hosted customers using the SAS can access recording URLs in the following ways:

- Get the URL from the session creator or an SAS administrator.
- Get the URL from an email that may be sent to you (and all session attendees) after the recorded session is complete. (Session creators can set this option when creating the session.)
- Log in to the SAS and retrieve the URL of the recording by checking the session details. (Recordings list within the SAS File utility). For instructions, see our Retrieving Recording Links in the SAS Quick Reference Guide: http://www.elluminate.com/support/docs/sas/Retrieving_Recording_Links_in_SAS.pdf
Chapter 5  Using Elluminate Publish!

The Elluminate Publish! interface consists of three main functional areas: the top area in which you identify the input file to be converted, the middle area in which you specify what types of conversions you would like to do (outputs), including conversion settings, and the bottom area that provides you information on the status of your conversion.

Launching Elluminate Publish!

To launch Elluminate Publish!, do one of the following:

✓ Click on the Elluminate Publish! icon on your desktop.
✓ (Windows only) Click on the Quick Launch icon in your taskbar.
✓ (Windows only) Navigate to and select the Start Menu shortcut. If you chose the default for your shortcut, select Start > Programs > Elluminate > Elluminate Publish! > Elluminate Publish!
Run the Elluminate Publish! executable file:

**Windows**
C:\Program Files\Elluminate\Elluminate Publish\Publish.exe

**Mac**
Applications/Elluminate/Elluminate Publish/Elluminate Publish

**Linux**

Root Login:
/opt/Elluminate/Elluminate_Publish/Elluminate Publish!

Standard Login:
/home/<user_name>/Elluminate/Elluminate_Publish/
Elluminate Publish!

The Elluminate Publish! window will open:
Automatic Check for Updates

Elluminate Publish!, by default, will automatically check for software updates when you launch the application. If a new version of the software is available, you will be notified of the update.

When presented with the New Update Available dialog, you have three options:

✔ Click on Go to Web Site: this will take you to the Elluminate Publish! product download web page (http://www.elluminate.com/publish/info.jsp) where you can download the latest version of Elluminate Publish! for your specific platform.

✔ See Installing Elluminate Publish! on page 6 for instructions on installing Elluminate Publish!

✔ Click on Remind Later: this will skip the update for now and will cause this update notification to be displayed again next time you launch Elluminate Publish!

✔ Click on Ignore Update: this will prevent Elluminate Publish! from checking for updates for this particular version next time you launch the application. For example, if you have version 1.0 and click on Ignore Update when notified that version 1.1 is available, you will not be reminded again to update to version 1.1. However, when version 1.2 becomes available, you will be notified since Ignore Update is ignoring version 1.1 only.

✔ If you accidentally clicked on Ignore Update, you can always manually check for updates by selecting Help > Check for Update. If there is an update available, you can go to the website to download it or click on Remind Later to be reminded next time you launch Elluminate Publish!

If you prefer not to be notified of software updates, you can turn off the option Check for updates automatically at launch in the Preferences dialog. (For details, see Setting Publish! Preferences on page 29.)

✔ We recommend that you leave the option Check for updates automatically at launch selected – then you will always know when a software update is available.
Publishing Output Files

To convert your recordings, follow the steps below:

1. If desired, enter the intellectual property metadata you would like embedded in your output files. For details, see Intellectual Property Preferences on page 30.

   If you do not enter the metadata before you publish the recording, you will not have an opportunity to do it later.

2. Identify the file you would like to convert by entering it into the Recording field:

   If the recording is a .vcr, .mrf or .jnlp file, enter the full pathname of the file. To avoid typing errors, drag and drop or browse to the file instead.

   Since you cannot browse to a recording URL, to avoid typing errors, copy the link from another source (your browser or an email) and paste it into the field.10 (See Accessing URLs from the Session Administration System on page 20.)

   At this point, Publish! reads the VCR to extract the session name, which will be used for the file names of the output files.11

3. Indicate what types of conversions you wish to perform and specify conversion settings. You may convert to any or all available formats.

   To create a multimedia (movie) file, click on the Create Multimedia Files option. (For details about setting multimedia file options, see Multimedia Output File Options on page 27.)

   The multimedia conversion utility strips areas of silence from the original recording, preventing the converted recording from having long periods of inactivity. Therefore, your converted multimedia file may be shorter than the original recording.

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10 Use the Paste keyboard shortcut Ctrl+V (⌘V on Macintosh). You cannot access the Paste command from a menu by right-clicking in the field.
11 Except for version 6.5 and 7 recordings, which do not know the session name.
To create an audio podcast, click on the Create Audio File option. (For details about setting audio file options, see Audio File Options on page 28.)

If your recording does not have any audio created as a result of pressing the Talk button, an audio podcast cannot be created – even if there was sound being generated in your recording by a multimedia file. If you don’t know whether or not there is any “Talk” audio in your recording, go ahead and try to convert it. If there was no “Talk” audio, you will receive a message telling you that the recording has no audio and no audio file will be generated.

The size of your converted audio file may be larger or smaller than the original recording, depending on the extent of the audio and non-audio content in the recording.

To create an Unplugged! recording, click on the Create Unplugged Recording checkbox.

Because an Unplugged! recording contains all the Elluminate Live! software required to play a recording, the Unplugged! recording will be approximately 10 MB larger than your original recording.

To create a VCR Caption Transcript, click on the Create Caption Transcript option.
To create a VCR Chat Transcript, click on the Create Chat Transcript option.

Click on the Convert button to begin the conversion (or Cancel to abandon the operation). The Convert dialog box will open.

From the Convert dialog box, select the directory in which you wish to save your output files (including the MRF file) and indicate the file name you wish to use for your output files. (All the files will have the same name with different suffixes.)

Click on Convert to begin the conversion process.

The duration of the conversion will depend on the size of the original recording, the speed of your network connection (if downloading files) and the speed of your system’s processor.

In the phase where the MRF file is being created, the original recording opens up in a new Elluminate Live! player window. Do not fast forward or rewind playback during the conversion process. Do not close the Elluminate Live! window unless you want to halt the production of the multimedia file.
**Conversion progress messages**

Elluminate Publish! shows you the progress of the conversion in the Conversion Status area at the bottom of the window. As you can see from the progress messages, the conversion process goes through the following stages:

1. Extracts and condenses audio info and creates the Audio output file.
2. Creates the *Unplugged!* Recording.
3. Creates the VCR Chat and Closed Captioning transcripts.
4. Creates the MRF file. During this phase the original recording opens up in a new Elluminate Live! player.
5. Creates the multimedia file (movie) from the MRF file.

When the conversion is complete, you will see the word “Done” in the Conversion Status area.

If you cancel the conversion part way through the process, you will still get all the outputs created up until the point of cancellation.

Finally, you may be prompted whether or not you would like to see the output files. This is controlled by the preference *Reveal output files after conversion.* (For details, see *General Preferences* on page 29.)

**Multimedia Output File Options**

For recommendations on the format and resolution to choose for your intended output device, see *Recommended Options* on page 33 of the *Best Practices* appendix.

1. Select which tracks of the recording you would like included in your multimedia file.
2. Select which transcripts you would like included in your multimedia file.
   - *Captioning (SRT)* – Subtitle text transcript of the session Closed Captioning messages.
3. Select the type of multimedia file output you would like to create.
   - AVI – Audio Video Interleave
   - FLV – Flash video
   - H.264 – MPEG-4 video with compression (default)
   - MOV – QuickTime video
   - MP4 – MPEG-4 video
   - WMV – Windows Media Video

4. (Optional) Select Automatic Level Control to even out the volume within your multimedia file. (By default, this option is on.) Within Elluminate Live! sessions, the volume at which a talker speaks will vary throughout the session and different talkers will speak at different levels from each other. Automatic Level Control will even out the volume levels within your multimedia file so that quiet speakers are more clearly audible. (Note: if a speaker is too quiet, this option may not be able to correct the level.)

   ![Automatic Level Control]  
   Automatic Level Control can accentuate background noise in a recording. If background noise in your multimedia file is distracting, turn off this option and create the file again.

5. Select the size for your multimedia file output.
   - Optimize for mobile (640 x 480) – This is a resolution of 640 x 480 pixels that is appropriate for creating multimedia output for mobile playback devices such as iPods. (default)
   - Optimize for desktop (1024 x 768) – This is a resolution of 1024 x 768 pixels that is appropriate for creating multimedia output to be played on your computer.

6. (Optional) Select Scale Up Images to enlarge the images of your output file to fill the screen of your playback device. (By default, this option is on.)

   ![Scale Up Images]  
   When you create a movie for the desktop, it is not unusual that the Whiteboard is smaller than the movie output. You may wish to turn off Scale Up Images in this circumstance to retain image appearance.

**Audio File Options**

For recommendations on the format and resolution to choose for your intended output device, see Recommended Options on page 33 of the Best Practices appendix.
1. Select the type of audio file output you would like to create.
   - MP3 (32 kbps) – MPEG-3 audio
   - MP3 (64 kbps) – MPEG-3 audio (default)
   - M4A – MPEG-4 audio
   - Ogg Vorbis – open-source format
   - WAV – uncompressed WAV files (Waveform, uncompressed audio)

Of the two MP3 formats, the 64K bps format produces the highest quality with the largest file size and the 32K bps format produces the lowest quality with the smallest file size.

The MP3 (32 kbps) format is a standard format for audio files and provides a balance between an MP3 recording’s quality versus its size.

2. (Optional) Select Automatic Level Control to even out the volume within your Audio podcast. (By default, this option is on.) Within Elluminate Live! sessions, the volume at which a talker speaks will vary throughout the session and different talkers will speak at different levels from each other. Automatic Level Control will even out the volume levels within your audio podcast so that quiet speakers are more clearly audible. (Note: if a speaker is too quiet, this option will not be able to correct the level.)

Automatic Level Control can accentuate background noise in a recording. If background noise in your audio podcast is distracting, turn off this option and create the podcast again.

Setting Publish! Preferences

To set preferences, select Preferences from the Edit menu (Elluminate Publish! menu on Mac) and then click on the desired tab.

General Preferences

To customize your interaction with Elluminate Publish!, set the following preferences under the General tab of the Preferences dialog:

- Reveal output files after conversion – When the conversion of a recording is complete, you can opt to have your file browser open the directory containing your output files. To always display the files, select “Always”; to never display the files, select “Never”; and to leave the option open at the end of each conversion, select “Ask”.

Check for updates automatically at launch – Select this option to be automatically notified of any software updates when you launch Elluminate Publish! (For a discussion of how this option works, see Automatic Check for Updates on page 24.)

Proxy Setting Preferences

Publish! may be supplied links that require the use of a proxy to resolve. Typically, if your browser requires a proxy to make a connection, Publish! will too. One way to figure out if you need a proxy is to see if your browser has any proxies set. To check, look up the settings as follows:

- For Firefox 3, select Tools | Options | Advanced | Network | Settings.
- For Explorer 6, select: Tools | Internet Options | Connections | LAN Settings.
- For Safari 3, select Safari | Preferences | Advanced | Change Settings | LAN Settings.

If proxies are required, define your proxy settings under the Proxy Settings tab of the Preferences dialog. The default setting is Direct Connection. If you need a proxy, select Manual Proxy Settings and fill in the host names and ports with the information found in your browser. Any proxy fields you leave empty will default to direct connections.

Consult your system administrator for information and assistance regarding proxies.

Intellectual Property Preferences

You can add metadata to your output files in order to identify them as your intellectual property. Under the Intellectual Property tab of the Preferences dialog, enter information in some or all of the following fields: Album, Author, Comment, Copyright, Genre and Year.

Note that not all movies formats will support all (or even any) of the intellectual property data.
Appendix A: Best Practices

The quality of a published recording depends on the nature of the content in the original recording, the output options selected during conversion and the type of device on which the output file will be played. We have provided a demo recording (see link below) with which you can experiment. This recording contains different presentation methods (Whiteboard, Application Sharing, etc.) at various screen resolutions with text presented in a number of different font sizes.

Publish the demo file for your target output device using various combinations of output formats and resolutions. In this way, you can see what output format and resolution work best to optimally present your intended content on your intended device. You can find the demo file on the following web page:

http://www.elluminate.com/support/training/next/index.jsp

Although each situation is unique, a few general recommendations can be made with respect to best practices for

- setting security controls to ensure access to recordings;
- using the best presentation methods and font sizes in your recordings; and
- selecting output options (format and resolution) best suited to your output device.

Setting Session Scheduling Server Security Controls

If you know in advance of creating a session that the session is to be published to a different format using Elluminate Publish!, ensure that the proper security access controls are set when you create the session.

**Elluminate Live! Manager**

When setting up new sessions, Elluminate Live! Manager session creators can set recording security controls to restrict the distribution and use of session recordings. These will affect your ability to access recordings for conversion by Elluminate Publish!

If it is your intention to publish an Elluminate Live! Manager session recording, when creating the session, ensure the recording security access preferences are disabled on the Elluminate Live! Manager JNLP Preferences page.
**Session Administration System**

When setting up new sessions, Session Administration System (SAS) session creators can restrict access to sessions. If you don’t have access to a session, neither will you have access to its recording. Without access to a recording, you will not be able to covert it in Elluminate Publish!

If it is your intention to publish an SAS session recording, when creating the session, ensure the person who will be converting the recording in Elluminate Publish! has access to the session being recorded.

**Best Practices for Recording Sessions for Publication**

When recording a session for future publication into other formats, there are some things you can do during session recording that will ensure you get the best possible output files from Elluminate Publish!

**Recording for Mobile Devices**

We recommend you follow the guidelines below when recording a session for publication on a mobile device:

- Use a large font size for Whiteboard presentations (28 + size in the fonts Dialog, Sans Serif and Serif).
- Avoid Application Sharing.
- Do not share your desktop.

**Recording for Computer Desktops**

Pretty much anything goes! Just keep in mind that not all Elluminate Live! session activity is included in all output formats. See Table 1: Output Files on page 2 for a list of which Elluminate Live! features are captured in the various types of output files.
Recommended Options

The following Elluminate Publish! settings are recommended for producing the best possible output for the various player devices.

**Apple iPod, iPhone, iPod Touch or Nano**

- **Resolution**: use 640x480 only.
- **Format**: we recommend you use H.264 only.

**Zen**

- **Resolution**: you may use either the 640x480 or 1024x768 resolution. The 1024x768 resolution will automatically scale down for this device.
- **Format**: we recommend any format except WMV and FLV. The Zen software is equipped with a media converter that will convert most formats into a useable file. For a list of supported formats on the Zen, see the Zen official website: [http://us.creative.com/products/product.asp?category=213&subcategory=214&product=16999&nav=1Video](http://us.creative.com/products/product.asp?category=213&subcategory=214&product=16999&nav=1Video)

**Zune**

- **Resolution**: See Format below.
- **Format**: we recommend MP4 at either the 640x480 or 1024x768 resolution, WMV at the 1024x768 resolution or H.264 at the 640x480 resolution. For a list of supported formats on the Zune, see the Zune official website: [http://www.zune.net/en-US/mp3players/default.htm](http://www.zune.net/en-US/mp3players/default.htm)

**Computer Desktops**

- **Resolution**: use either the 640x480 or 1024x768 resolution.
- **Format**: any format at either resolution will work, although the best output can be achieved by selecting the H.264 format.\(^\text{13}\)

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\(^{12}\) Some files are not recognized though and will need a CODEC.

\(^{13}\) Note: this format uses the most CPU resources.
Appendix B: Help and Other Resources

Elluminate Publish! Support Web Page

You can access the Elluminate Publish! support web page in one of two ways:

✓ From within Elluminate Publish!, select Elluminate Publish! Help from the Help menu.
✓ Open your web browser and go to http://www.elluminate.com/publish/info.jsp.

In addition to this user’s guide, the Elluminate Publish! support web page provides the following resources:

- Software updates
- Link to an Elluminate Publish! training webpage
- Email link to Elluminate Sales to acquire license key

Other Elluminate Resources

- For further help using Elluminate Publish!, see our Elluminate Publish! training webpage:
  http://www.elluminate.com/support/training/next/

- To learn more about recordings in general, see our feature report on Recording and Playback available on the following page:
  http://www.elluminate.com/support/docs

- To learn how to access a recording from within the Session Administration System, see our quick reference guide on Retrieving Recording Links in the SAS available on the following page:
  http://www.elluminate.com/support/docs/sas/asp.jsp

- If you are having technical difficulties that your Elluminate system administrator cannot resolve, contact Elluminate Technical Support (see contact information on page iv). You may be asked for your error log file. This file can be found in your Publish subdirectory:

  Windows Default
  C:\Program Files\Elluminate\Elluminate Publish\error.log

  Mac Default
  Applications/Elluminate/Elluminate Publish/error.log
Useful Articles on the Web

- A quick guide to video formats:
  http://gizmodo.com/5093670/giz-explains-every-video-format-you-need-to-know
- Explanation of H.264:

3rd Party Resources for Movie and Subtitle Editing

You can use a number of programs to create movie subtitles from your SRT captioning file. A good place to start your investigation of tools is on this web page:
http://ubuntuforums.org/showthread.php?t=556267

⚠️ Elluminate does not provide support or training materials for any 3rd party resources.

If you don’t have your own movie or subtitle editing tools, below are some suggested products for you to consider.

Jubler

One of the nicest subtitle editors is Jubler, which works on Linux, Windows and Mac OS X. You can download it from http://www.jubler.org/. To use Jubler, you must first download and install MPlayer, an open-source player and encoder that uses FFMPEG (and bundles it). MPlayer is available on the Windows, Linux and Mac OS X platforms and can be downloaded from http://www.mplayerhq.hu/design7/news.html.

See this YouTube video (http://www.youtube.com/watch?v=Rl_8hk6otK8) for a demo of using Jubler and MPlayer to add subtitles to a video.

MEncoder

MEncoder is an open source program, readily available on the network (it is part of the MPlayer installation) you can use to merge your SRT captioning file with the multimedia file. MEncoder has a command-line interface, with commands that look like the following:

$ mencoder -oac copy -ovc codec codec opts -sub sub file.srt -subfont-text-scale 3
Subtitle Workshop

This is another tool you can use to merge your SRT captioning file with a multimedia file. It will accept a variety of subtitle file formats, including our SRT file, and will convert them to other formats. You can download Subtitle Workshop from http://www.urusoft.net/products.php?cat=sw.

Subtitle Workshop will not merge the movie with the subtitles; you can use Avidemux (see below) for that.

Avidemux Video Editor

Avidemux is a useful open-source program available for Linux, Windows and Mac OS X that provides a mechanism for editing the video and producing a new video. You can download it from http://fixounet.free.fr/avidemux/.