

Using THESIS Professional with IBM Lotus learning software August 2007

It is very common for organizations to use the Microsoft Office Suite to build and maintain training materials. These materials might be used during instructor-led classes as presentation materials, student guides, instructor guides, lab exercise handouts, hardcopy tests, case study materials, etc. These materials may also accompany standalone self-paced computer based training or be used as on-the-job aids.

Organizations want to leverage these materials and repurpose them for self-paced, web-based training. More importantly these organizations want to minimize the effort and training required to repurpose these materials. Often the persons charged with these tasks may not have an instructional design or courseware engineering background. Each material should be trackable using one of the industry standards (AICC or SCORM). The student shouldn't get credit for viewing the materials just by opening and immediately closing the lesson online. Some level of control needs to ensure that the student is reading the materials.

A secondary obstacle these organizations face is turning these individual training materials into a cohesive lesson plan (course outline). It's not enough to turn each material into a learning object. Often times an authoring tool builds single learning objects and have no ability to assemble multiple learning objects into a single course. In other words, these tools can only create single lesson courses.

Articulate Presenter Pro 5 from Articulate and Lectora Integrator 2007 for Microsoft Powerpoint from Travantis are two popular tools used to repurpose Powerpoint slide decks into learning objects. Powerpoint is the most common training material type but customers also have materials in Word, Excel, and Visio. THESIS from HunterStone (<http://www.hunterstone.com/thesis.asp> or <http://www.GetTHESIS.com>) provides the ability to turn Microsoft's Powerpoint, Word, Excel, and Visio materials into learning objects as well as package multiple learning objects into a single course with multiple lessons and testing instruments.

This document discusses how to use the THESIS Professional eLearning tool with the IBM Lotus Learning Management System V1 or IBM Lotus Workplace Collaborative Learning V2.

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Microsoft Word

Once THESIS Professional is installed on your local workstation you will see a new THESIS drop down option on the File menu as well as two new toolbar options highlighted in **red** below. *Set Default Metadata Values* works across the entire Office Suite. The *Show Preview* will demonstrate how the content will look in the Delivery Server content frame. I suggest playing with the content options in the preview before turning the Office document into a learning object. When you are ready to turn the Word document into a learning object, select *Save with Thesis*.

The screenshot shows the Microsoft Word interface with the 'File' menu open. The 'THESIS' option is highlighted in red. Below it, 'Set Default Metadata Values', 'Save with THESIS', and 'Import THESIS Package' are also highlighted in red. The 'Show Preview' option is visible below. The preview window shows a table with the following data:

Desired Results				
Level	Scenario A		Scenario B	
	Completion Result	Satisfaction Result	Completion Result	Satisfaction Result
Lesson1	100%	Null	0%	Null
Lesson2	100%	Passed	0%	Null
Course	100%	Null	0%	Null
Quiz	100%	Passed	0%	Null

Lesson1						
lms configuration	javascript File Updated	scormfunctions	Scenario A		Scenario B	
			Completion Status	Satisfaction Status	Completion Status	Satisfaction Status
Yes	No	No	Null	Null	Null	Null
Yes	No	Yes	0%	Null	0%	Null
Yes	Yes	Yes	100%	Null	100%	Null
Yes	Yes	No	100%	Null	100%	Null
No	No	No	100%	Null	Null	Null
No	No	Yes	100%	Null	0%	Null
No	Yes	No	100%	Null	100%	Null
No	Yes	Yes	100%	Null	100%	Null

Always select **SCORM 1.2**, **Save with SCORM API**, and **ZIP** file format for use with IBM Lotus learning software. Optionally, the headers from the Word document can be used to construct a table of contents that is displayed to the left of the main document.

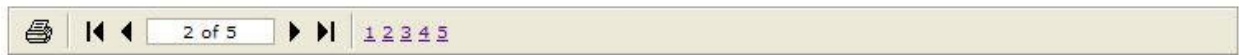
The 'Save with THESIS' dialog box is shown with the following options:

- Publishing Options**
 - Table of Contents
 - Add Table of Contents in a separate frame?
 - PurePage
 - Save using PurePage converter
- SCORM Options**
 - SCORM Version:
 - SCORM 2004
 - SCORM 1.2
 - File Format:
 - ZIP
 - Uncompressed
 - Save with SCORM API
 - Save to Microsoft SharePoint Library
 - IMS Metadata...

Buttons: THESIS Help, Save, Cancel

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If you select [Save using PurePage converter](#) publishing option, the pages in your Word document will be preserved giving the student the flexibility to page forward, page backward, go to the first page, go to the last page, print, or jump to a specific page. The student will see this toolbar on each page.



If this option isn't selected, the student will have to scroll through a very long single content page. I highly recommend using the PurePage converter to improve usability.

You should also click the [IMS Metadata](#) button. The [Item Title](#) will show up as the Activity Title in the course outline once deployed to the IBM Lotus learning software. The [General Description](#) will show up as the Activity Description in the IBM Lotus learning software. The Lifecycle Status Value should be Final. By default Thesis will use the Word document's Properties Title for the Item Title and General Title. None of the other metadata values will be revealed in the IBM Lotus learning software. If you import this learning object directly into the IBM Lotus Authoring tool, all the metadata values will be imported. If you add this learning object to the THESIS Learning Object Manager first, then import the THESIS Learning Object Manager SCORM package into the IBM Lotus Authoring tool, all these metadata values except the Item Title and General Description will be lost. I recommend that you click the [Settings](#) button. The Mastery Score is irrelevant for Word, Powerpoint, Excel, and Visio materials meaning even if you specify a score it will be ignored. The Mastery Score is only useful for THESIS Tests created in the THESIS Learning Object Manager.

IMS Metadata

Item
Item Title: Activity Title in LMS
 Include Mastery Score

General
Title: GeneralTitle in AAT Metadata but not LMS
Keywords:
Description: Activity Description in LMS
Catalog:
Entry:
Language: EN

Lifecycle
Status Value: Final
Version: 1.0

Classification
Purpose: Educational Objective
Keywords:
Description:

Educational
Learning Resource Type: Exercise

Rights
Cost: Yes No
Copyright and Other Restrictions: Yes No
Description:

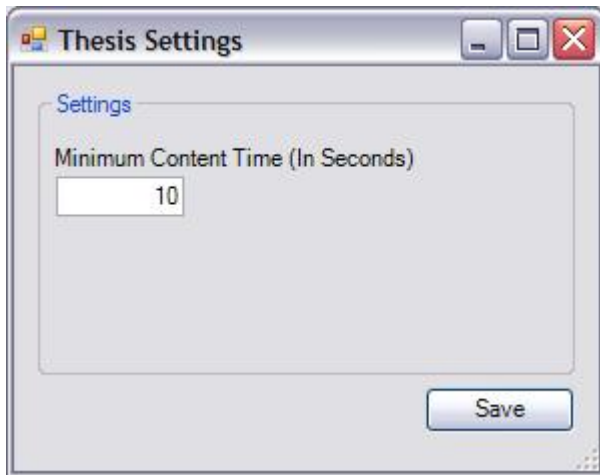
THESIS™

Save As Default Settings Cancel

[THESIS Help](#)

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You can set the minimum time the student must have the content frame open in the IBM Lotus learning software in order for them to complete the lesson. This threshold must be achieved in a single attempt. The clock starts over for each attempt. This setting prevents a student from just opening and closing a lesson to get credit. The threshold doesn't change with the number of pages or size of the content. In other words, the student can spend the entire time on the first page to meet this threshold and never get to the subsequent pages. I would suggest adding an introduction stating the student won't receive a completion unless they read all pages.



If the student says they finished the content but it shows as incomplete, review the debug tracking logs to see if the minimum content time threshold was reached.

- LMSSetValue('cmi.core.session_time', '00:00:06') returned 'true'

This one above was failed because 6 seconds is below the 10 second threshold.

- LMSSetValue('cmi.core.session_time', '00:00:19') returned 'true'

This latter entry completed because the 19 seconds met the 10 second threshold.

THESIS Professional does a nice job rendering a rich text Word document. Table structures, text formats, paragraph formatting, and text with hyperlinks (URLs) are preserved. A Student Tools toolbar is added to the bottom of each content page. If the student is half-way through a document, they can click [Save Bookmark](#) button before closing the lesson to save their location. The next time the student launches the lesson they can click [Return to Bookmark](#) button to return to this location. This bookmarking feature worked with Word documents and Powerpoint slides but didn't work with Excel spreadsheets.

The student must click the [Finish](#) button after the threshold above is met to complete the lesson. Clicking the [Cancel](#) button even when the threshold is met will not complete the lesson.

The next two pages show a few content pages as seen in the Preview feature or in the IBM Lotus learning software content window.

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Using Articulate Content with IBM Lotus WCL or LMS August 2007

Desired Results

Level	Scenario A		Scenario B	
	Completion Result	Satisfaction Result	Completion Result	Satisfaction Result
Lesson1	100%	Null	0%	Null
Lesson2	100%	Passed	0%	Null
Course	100%	Null	0%	Null
Quiz	100%	Passed	0%	Null

Lesson1

Javascript File Updated			Scenario A		Scenario B	
lms	configuration	scormfunctions	Completion Status	Satisfaction Status	Completion Status	Satisfaction Status
Yes	No	No	Null	Null	Null	Null
Yes	No	Yes	0%	Null	0%	Null
Yes	Yes	Yes	100%	Null	100%	Null
Yes	Yes	No	100%	Null	100%	Null
No	No	No	100%	Null	Null	Null
No	No	Yes	100%	Null	0%	Null
No	Yes	No	100%	Null	100%	Null
No	Yes	Yes	100%	Null	100%	Null

Lesson2

Javascript File Updated			Scenario A		Scenario B	
lms	configuration	scormfunctions	Completion Status	Satisfaction Status	Completion Status	Satisfaction Status
Yes	No	No	Null	Null	Null	Null
Yes	No	Yes	0%	Null	0%	Null
Yes	Yes	Yes		Null		Null
Yes	Yes	No	100%	Null	100%	Null
No	No	No	Null	Null	Null	Null
No	No	Yes	100%	Passed	0%	Null
No	Yes	No	100%	Passed	100%	Null
No	Yes	Yes	100%	Passed	100%	Null

This SCORM package was created with a 15 day evaluation version of THESIS. [Find Reseller](#)

Student Tools:

Using THESIS Professional with IBM Lotus learning software August 2007



4 of 5



1 2 3 4 5

Using Articulate Content with IBM Lotus WCL or LMS August 2007

configuration.js "What Changed"

Changed this line of code from

```
var DEFAULT_EXIT_TYPE = EXIT_TYPE_SUSPEND; //When the content is unloaded without an API  
function indicating the type of exit,
```

to

```
var DEFAULT_EXIT_TYPE = EXIT_TYPE_FINISH; //When the content is unloaded without an API  
function indicating the type of exit,
```

scormfunctions.js "What Changed"

Changed this line of code from

```
blnResult = blnResult && SCORM_CallLMSSetValue("cmi.core.exit",  
SCORM_TranslateExitTypeToSCORM(DEFAULT_EXIT_TYPE));
```

to

```
blnResult = blnResult && SCORM_CallLMSSetValue("cmi.core.exit", "");
```

and changed this line of code from

```
blnResult = blnResult && SCORM_CallLMSSetValue("cmi.core.exit",  
SCORM_TranslateExitTypeToSCORM(strExitType));
```

to

```
blnResult = blnResult && SCORM_CallLMSSetValue("cmi.core.exit", "");
```

Reference: *Articulate Presenter Forum*

<http://www.articulate.com/forums/articulate-presenter/2479-tracking-lesson-status-problem-scorm-1-2-certified-lms.html>

This SCORM package was created with a 15 day evaluation version of THESIS. [Find Reseller](#)

Student Tools:

[Return to Bookmark](#)

[Save Bookmark](#)

[Cancel](#)

[Finish](#)

When the Word, Excel, Powerpoint, or Visio learning object is imported (directly or through Thesis Learning Object Manager) into the IBM Lotus Authoring tool, there is no need to change any default settings. No need to change the **Delivery Controls Completion Set by Content** from false to true.

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When the student clicks the [Cancel](#) button followed by the content frame Close, an incomplete (0% completion) will be recorded in the IBM Lotus learning software. The activity's progress indicator turns half blue showing that the student has started but not finished the lesson.

The screenshot shows the 'Course Outline' on the left with 'Articulate Testing Results' selected. The main content area displays 'Articulate Testing Results' with a progress indicator that is half blue. Below the title, there is a 'Details' section with a table of activity statistics.

Details	
Activity Name: Articulate Testing Results	
Progress	
Completion Amount	0%
Time Spent	00:01:06
Start Time	Aug 22, 2007 12:10:08 PM
Pass/Fail	
Score	
Times Attempted	2
Last Accessed	Aug 22, 2007 12:11:40 PM

When the student clicks the [Finish](#) button (assuming they met the minimum content time threshold) followed by the content frame Close, a complete (100% completion) will be recorded in the IBM Lotus learning software. The activity's progress indicator turns all blue.

The screenshot shows the 'Course Outline' on the left with 'Word Document' selected. The main content area displays 'Word Document SCO' with a progress indicator that is all blue. Below the title, there is a 'Details' section with a table of activity statistics.

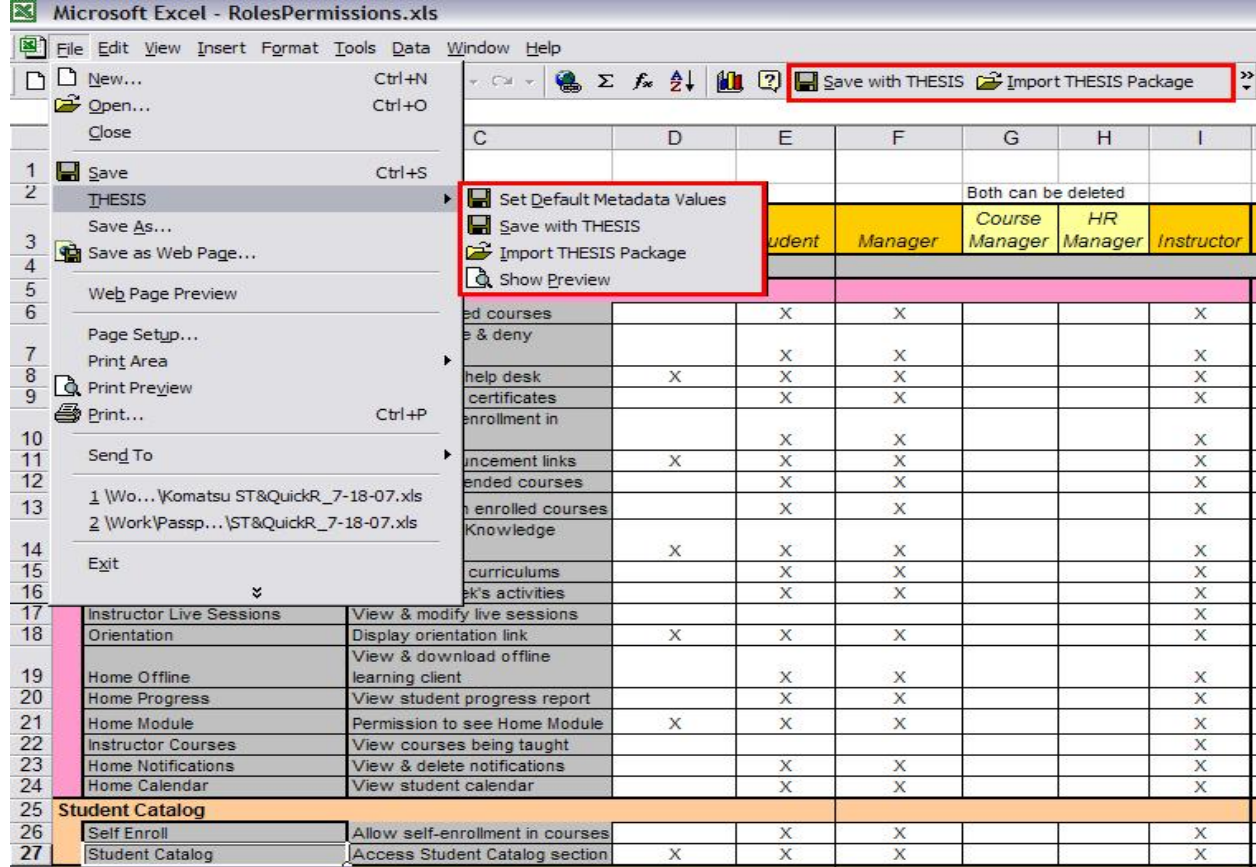
Details	
Activity Name: Word Document SCO	
Time Estimate	00:00:00
Progress	
Completion Amount	100%
Time Spent	00:00:12
Start Time	Aug 22, 2007 6:13:01 PM
Pass/Fail	
Score	
Times Attempted	1
Last Accessed	Aug 22, 2007 6:13:24 PM

Using THESIS Professional with IBM Lotus learning software

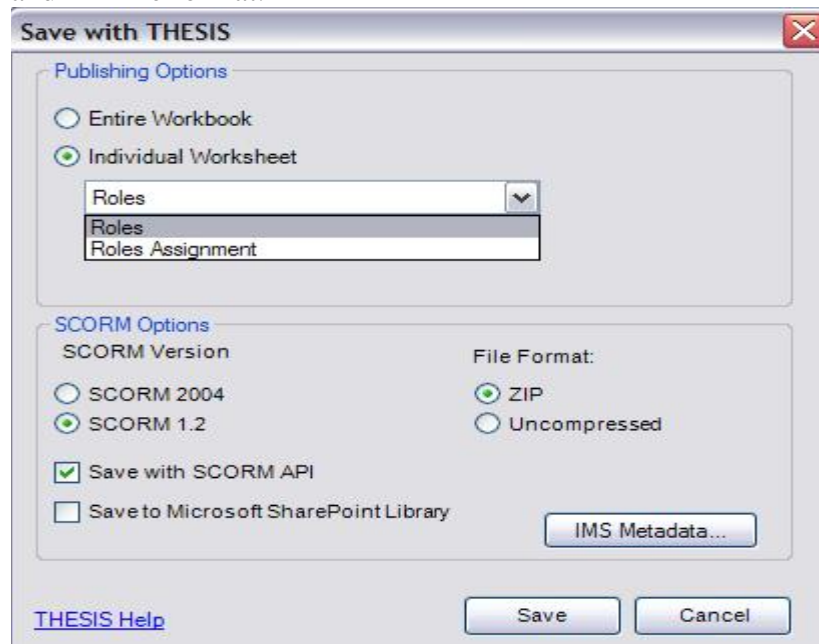
August 2007

Microsoft Excel

From the spreadsheet you have the same THESIS menu options and toolbar choices as Word.



You have the option to use the entire spreadsheet workbook in the learning object or just a specific worksheet. Like Word, select the same options: [SCORM 1.2](#), [Save with SCORM API](#), and [ZIP](#) file format.



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The Excel spreadsheet's Properties Title is used for the **Item Title** and **General Title** in the Thesis metadata. The remaining metadata fields are populated with the default values. Again set the minimum content time by clicking the **Settings** button. Like Word the only two metadata values used by the IBM Lotus learning software are **Item Title** and **General Description**.

As with Word documents, the student will complete (as shown below) the lesson activity if they met the minimum content time and click the Finish button. Otherwise, the lesson will reflect incomplete (0% completion) with a half-blue progress indicator.

Course Outline	LMS Roles Matrix Item														
<div style="border: 1px solid black; padding: 2px;"> Learning Object </div> <div style="border: 1px solid black; padding: 2px; background-color: #d3d3d3;"> LMS Roles Matrix Item </div>	<div style="border: 1px solid gray; padding: 5px;"> <h3 style="margin: 0;">Activity Details: LMS Roles Matrix Item</h3> <p style="margin: 0;">To view the activity content: Click the underlined activity title in the Course Contents.</p> <p style="margin: 0;">Clicking the activity icon displays the activity detail information you see below.</p> <div style="border: 1px solid gray; padding: 5px; margin-top: 10px;"> <h4 style="margin: 0;">Details</h4> <p style="margin: 0;">Activity Name: LMS Roles Matrix Item</p> <p style="margin: 0;">Progress</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #d3d3d3;">Completion Amount</td> <td>100%</td> </tr> <tr> <td style="background-color: #d3d3d3;">Time Spent</td> <td>00:02:59</td> </tr> <tr> <td style="background-color: #d3d3d3;">Start Time</td> <td>Aug 24, 2007 3:49:43 PM</td> </tr> <tr> <td style="background-color: #d3d3d3;">Pass/Fail</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Score</td> <td></td> </tr> <tr> <td style="background-color: #d3d3d3;">Times Attempted</td> <td>2</td> </tr> <tr> <td style="background-color: #d3d3d3;">Last Accessed</td> <td>Aug 24, 2007 3:53:01 PM</td> </tr> </table> </div> </div>	Completion Amount	100%	Time Spent	00:02:59	Start Time	Aug 24, 2007 3:49:43 PM	Pass/Fail		Score		Times Attempted	2	Last Accessed	Aug 24, 2007 3:53:01 PM
Completion Amount	100%														
Time Spent	00:02:59														
Start Time	Aug 24, 2007 3:49:43 PM														
Pass/Fail															
Score															
Times Attempted	2														
Last Accessed	Aug 24, 2007 3:53:01 PM														

Using THESIS Professional with IBM Lotus learning software August 2007

If you import the Thesis SCORM 1.2 output directly into the IBM Lotus learning software using the CLIMP utility or Course Upload (new feature in 2.7), the content will be displayed in the content frame of the IBM Lotus delivery server as shown below. You must use the IBM Lotus Authoring tool to have the Thesis content opened into its own web browser content window.

IBM Workplace Collaborative Learning test2 Return to Learning

Course Outline
LMS Roles Matrix Item

Learning Object

LMS Roles Matrix Item

Roles Matrix for Learning

Both can be deleted

Roles	Description	Anonymous	Student	Manager	Course Manager	HR Manager	Instructor	Administrator					
Permission													
Home													
Home Completed Courses	View completed courses		X	X			X	X					
Home Approvals	View, approve & deny approvals		X	X			X	X					
Help Desk	Display link to help desk	X	X	X			X	X					
Home Certificates	View enrolled certificates		X	X			X	X					
Self Unenroll	Allow self-unenrollment in courses		X	X			X	X					
Home Announcements	Access announcement links	X	X	X			X	X					
Home Recommended Courses	View recommended courses		X	X			X	X					
Home Enrolled Courses	View & launch enrolled courses		X	X			X	X					
Home Knowledge Search	Display link to Knowledge Search	X	X	X			X	X					
Home Curriculums	View enrolled curriculums		X	X			X	X					
Home Weeks Activities	View this week's activities		X	X			X	X					
Instructor Live Sessions	View & modify live sessions						X	X					
Orientation	Display orientation link	X	X	X			X	X					
Home Offline	View & download offline learning client		X	X			X	X					
Home Progress	View student progress report		X	X			X	X					
Home Module	Permission to see Home Module	X	X	X			X	X					
Instructor Courses	View courses being taught						X	X					
Home Notifications	View & delete notifications		X	X			X	X					
Home Calendar	View student calendar		X	X			X	X					
Student Catalog													
Self Enroll	Allow self-enrollment in courses		X	X			X	X					
Student Catalog	Access Student Catalog section	X	X	X			X	X					
Course Catalog													
Course Catalog	Access the administrator Course Catalog						X	X					
Booking	Ability to book rooms						X	X					
Manage Offerings Catalog	Manage Offerings Catalog						X	X					
Manage Masters Catalog	Manage Master Catalog						X	X					
Instructor Booking	Ability to book instructors						X	X					
User Management													
User Profiles	Create & modify user profiles						X	X					
	Permission to assign users to												

This SCORM package was created with a 15 day evaluation version of THESIS. [Find Reseller](#)

Student Tools:
Return to Bookmark
Save Bookmark
Cancel
Finish

The spreadsheet tabs are actively used to display each Excel worksheet (Role and Role Assignment in these screenshots).

Course Outline
LMS Roles Matrix Item

Learning Object

LMS Roles Matrix Item

Roles Assignment Matrix

Match Type	Anonymous	Student	Manager	Course Manager	HR Manager	Instructor	Administrator						
Matching String (AND)													
User (Example: CN=George Smith,OU=Users,DC=YourCo,DC=com)													
cn=anonymous	X												
Group (Example: Group123/Group/YourCo or CN=Group123,OU=Group,DC=YourCo,DC=com)													
Attribute (Example: DepartmentNumber=XYZ*; LdapId=*)													
UserId=anonymous		X											
IsInstructor=true										X			
IsManager=true				X									

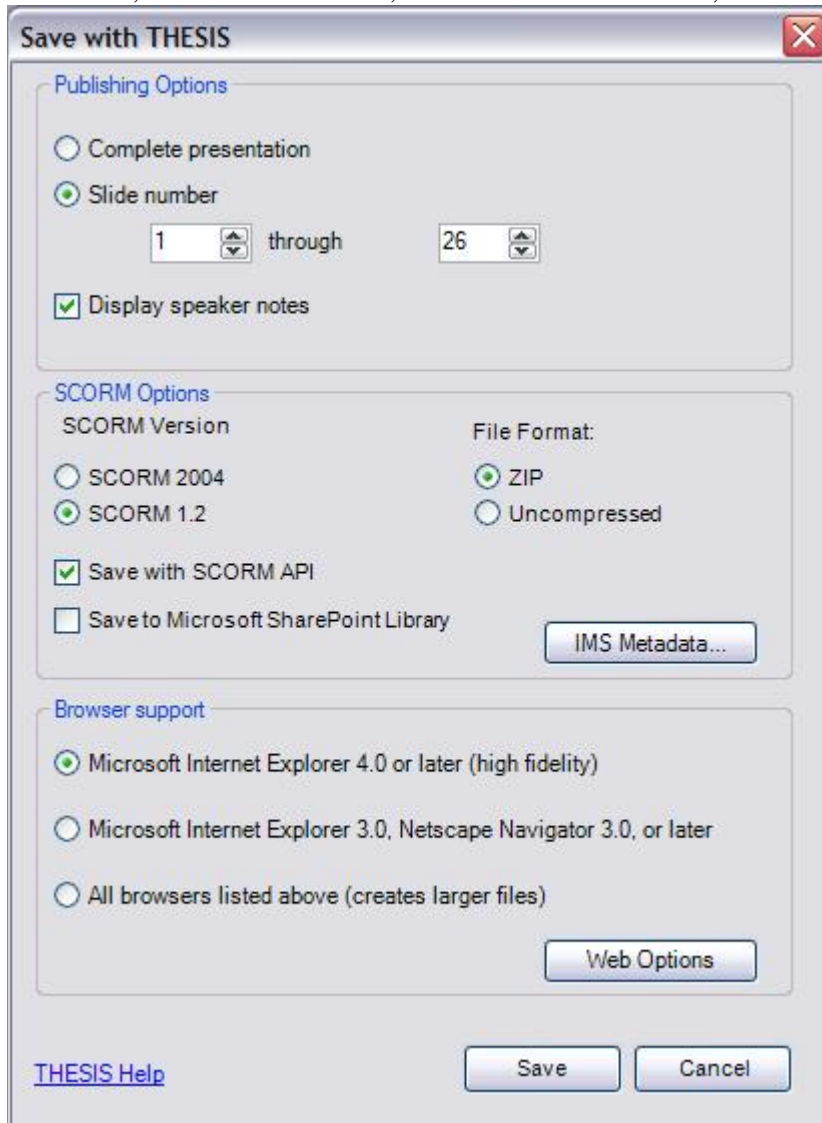
This SCORM package was created with a 15 day evaluation version of THESIS. [Find Reseller](#)

Student Tools:
Return to Bookmark
Save Bookmark
Cancel
Finish

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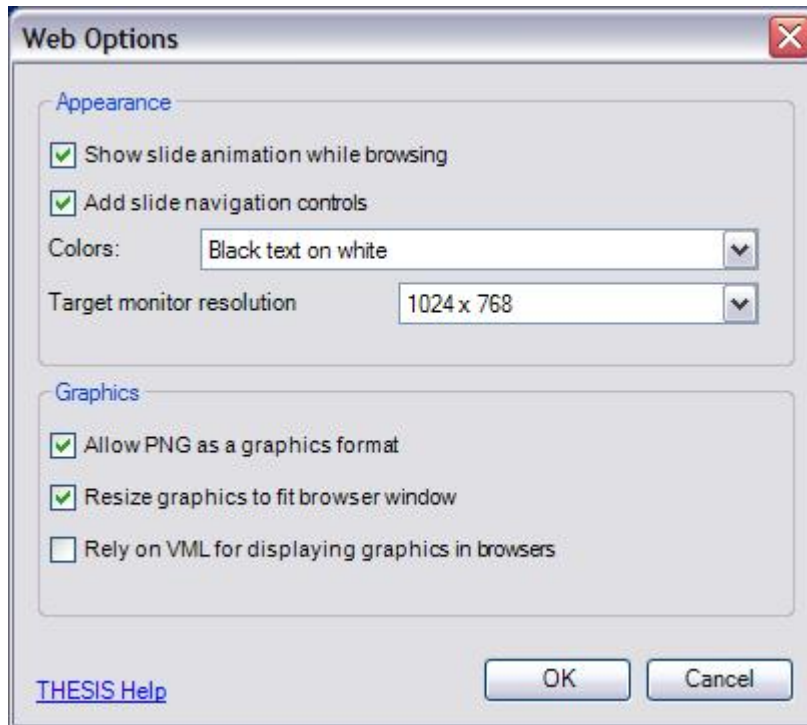
Microsoft Powerpoint

You can select all slides or a sequence of slides to include in the lesson. You may optionally display speaker's notes that display below the slides or can be hidden (toggle) by the student. As before, select [SCORM 1.2](#), [Save with SCORM API](#), and [ZIP](#) file format.

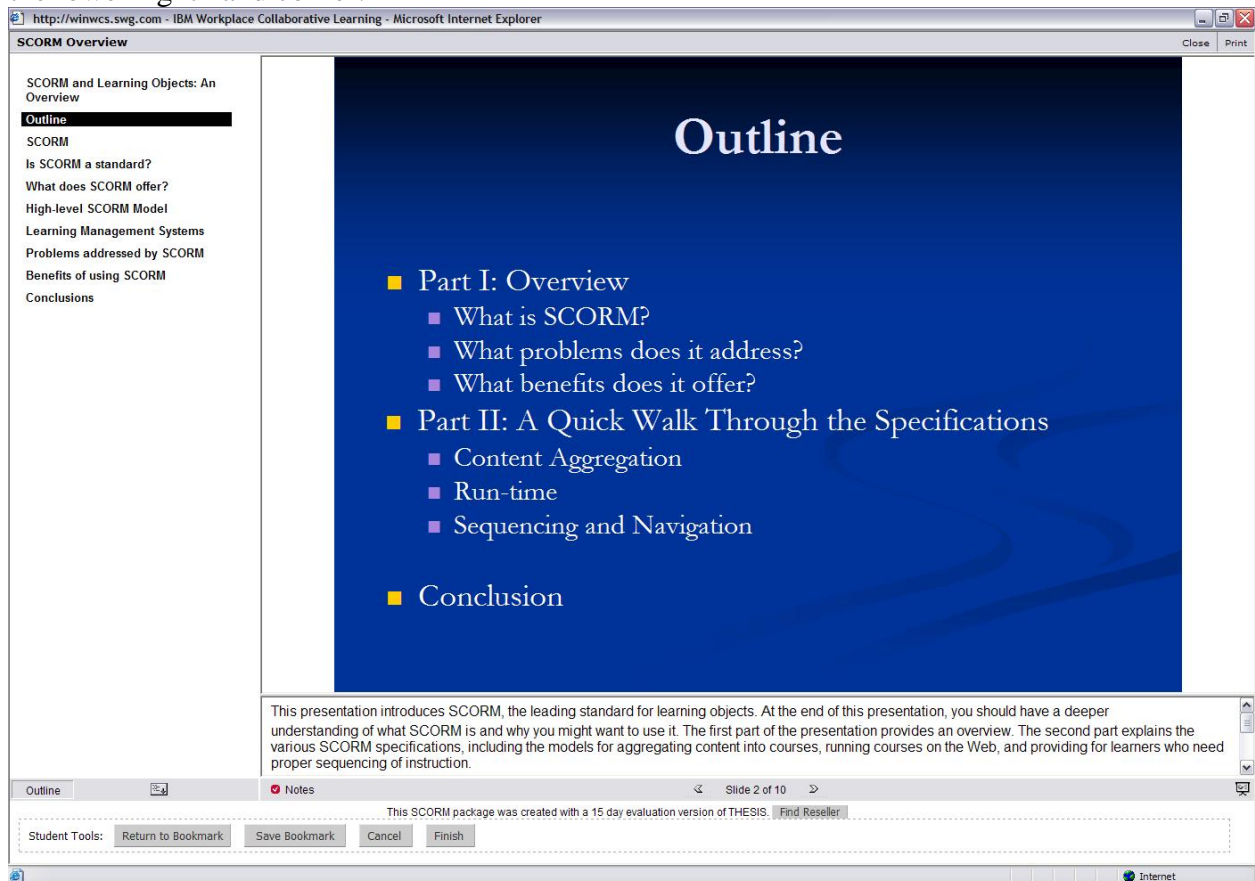


Click the [Web Options](#) button. A slide outline is displayed to the left of the slides that picks up each slide title. If you slides have animation, be sure to select the first appearance web option. Selecting slide navigation controls give the student the ability to go forward or backward one slide at a time or the ability to click any outline item to jump to that slide. The default color is White text on black. I recommend changing this to Black text on white to improve readability. Select a target monitor resolution that works on all displays in your organization. I found the slide clarity was slightly better when [allowing PNG as a graphics format](#). I also recommend selecting the graphic option to [Resize graphics to fit browser window](#).

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This is the student's view of the Powerpoint slide deck in the IBM Lotus learning software. The outline can be expanded to show the text for each slide. There is also a view full screen option in the lower right hand corner.



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Thesis Learning Object Manager

If you say YES to reporting when building a test, it will report the score in the content window along with a recap of each question and whether they were correct or incorrect. This is the default question feedback. You have the option to change the default feedback for correct and incorrect responses.



REPORT:

There were 4 questions in this test.
You have answered 3 questions correctly.(75%)

1. Austin is the capital of Texas?

Your answer was Correct

2. What city is the capital of New Mexico?

Your answer was Correct

3. The capital city of Kansas is

Your answer was Correct

4. Match the capital with the State.

Your answer was Incorrect

Continue

Print

If you say NO to reporting, then this message is displayed with no details.



Your test has been completed. Thank you.

Here is an example showing custom feedback for correct and incorrect answers.

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REPORT:

There were 4 questions in this test.
You have answered 3 questions correctly.(75%)

1. Austin is the capital of Texas?

You are correct!

2. What city is the capital of New Mexico?

You are correct!

3. The capital city of Kansas is

You are correct!

4. Match the capital with the State.

Sorry, you have an incorrect answer.

Continue

Print

Whatever is displayed is the same information that is printed using the [Print](#) button. No of the feedback includes the correct answer or answer key.

Whether you select YES or NO to reporting, all the interaction data (question responses) are captured by the IBM Lotus learning software.

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When the student fails the test, the score (50% in this screenshot) is passed back along with Failed status to the IBM Lotus learning software. The completion amount will reflect 100%. The progress indicator turns **red** with a slash indicating the test was failed. The student will not be able to retake the test to pass it.

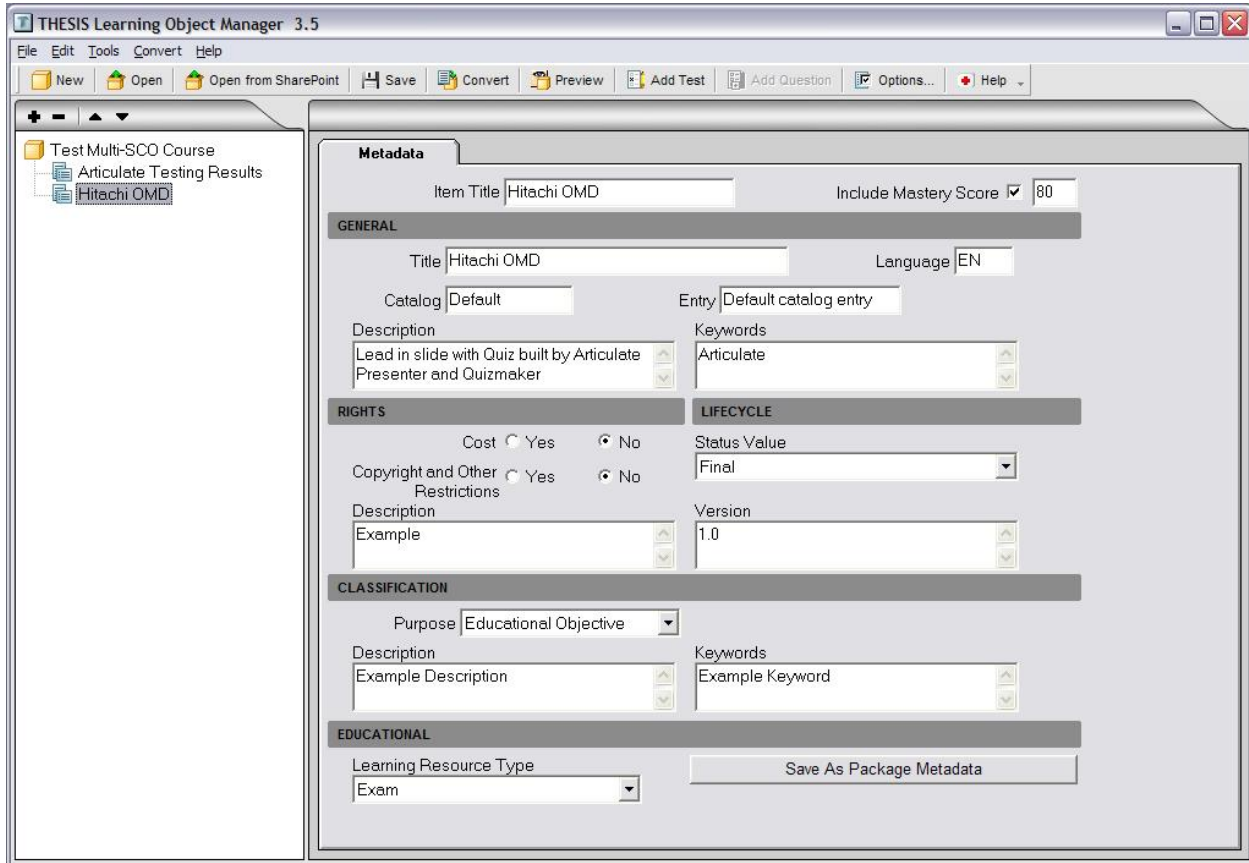
Course Outline	Quiz																
<ul style="list-style-type: none"> Sample THESIS Course Lesson: Roles and Pe Articulate Testing Res <li style="background-color: black; color: white;">Quiz 	<p>Activity Details: Quiz</p> <p>To view the activity content: Click the underlined activity title in the Course Contents.</p> <p>Clicking the activity icon displays the activity detail information you see below.</p> <hr/> <p>Details</p> <p>Activity Name: Quiz</p> <table border="1"> <tr> <td>Time Estimate</td> <td>00:00:00</td> </tr> </table> <p>Progress</p> <table border="1"> <tr> <td>Completion Amount</td> <td>100%</td> </tr> <tr> <td>Time Spent</td> <td>00:01:19</td> </tr> <tr> <td>Start Time</td> <td>Aug 24, 2007 8:25:19 PM</td> </tr> <tr> <td>Pass/Fail</td> <td>Failed</td> </tr> <tr> <td>Score</td> <td>50%</td> </tr> <tr> <td>Times Attempted</td> <td>1</td> </tr> <tr> <td>Last Accessed</td> <td>Aug 24, 2007 8:26:45 PM</td> </tr> </table>	Time Estimate	00:00:00	Completion Amount	100%	Time Spent	00:01:19	Start Time	Aug 24, 2007 8:25:19 PM	Pass/Fail	Failed	Score	50%	Times Attempted	1	Last Accessed	Aug 24, 2007 8:26:45 PM
Time Estimate	00:00:00																
Completion Amount	100%																
Time Spent	00:01:19																
Start Time	Aug 24, 2007 8:25:19 PM																
Pass/Fail	Failed																
Score	50%																
Times Attempted	1																
Last Accessed	Aug 24, 2007 8:26:45 PM																

When the student passes the test, the score and Passed status is passed back. Again the completion amount will reflect 100% but the progress indicator will now turn **green**.

Course Outline	Quiz																
<ul style="list-style-type: none"> Sample THESIS Course Lesson: Roles and Pe Articulate Testing Res <li style="background-color: black; color: white;">Quiz 	<p>Activity Details: Quiz</p> <p>To view the activity content: Click the underlined activity title in the Course Contents.</p> <p>Clicking the activity icon displays the activity detail information you see below.</p> <hr/> <p>Details</p> <p>Activity Name: Quiz</p> <table border="1"> <tr> <td>Time Estimate</td> <td>00:00:00</td> </tr> </table> <p>Progress</p> <table border="1"> <tr> <td>Completion Amount</td> <td>100%</td> </tr> <tr> <td>Time Spent</td> <td>00:00:47</td> </tr> <tr> <td>Start Time</td> <td>Aug 24, 2007 8:30:13 PM</td> </tr> <tr> <td>Pass/Fail</td> <td>Passed</td> </tr> <tr> <td>Score</td> <td>100%</td> </tr> <tr> <td>Times Attempted</td> <td>1</td> </tr> <tr> <td>Last Accessed</td> <td>Aug 24, 2007 8:31:08 PM</td> </tr> </table>	Time Estimate	00:00:00	Completion Amount	100%	Time Spent	00:00:47	Start Time	Aug 24, 2007 8:30:13 PM	Pass/Fail	Passed	Score	100%	Times Attempted	1	Last Accessed	Aug 24, 2007 8:31:08 PM
Time Estimate	00:00:00																
Completion Amount	100%																
Time Spent	00:00:47																
Start Time	Aug 24, 2007 8:30:13 PM																
Pass/Fail	Passed																
Score	100%																
Times Attempted	1																
Last Accessed	Aug 24, 2007 8:31:08 PM																

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To add a test click [Add Test](#) on the toolbar. To add content to the course click the plus “+” icon. The top level is the course and its children are lessons or tests. The [Item Title](#) becomes the course title in the IBM Lotus learning software. No other course metadata is brought over to the IBM Lotus learning software whether imported (CLIMP) directly or imported through the IBM Lotus Authoring tool. The up and down arrows can be used to reorder the lessons.

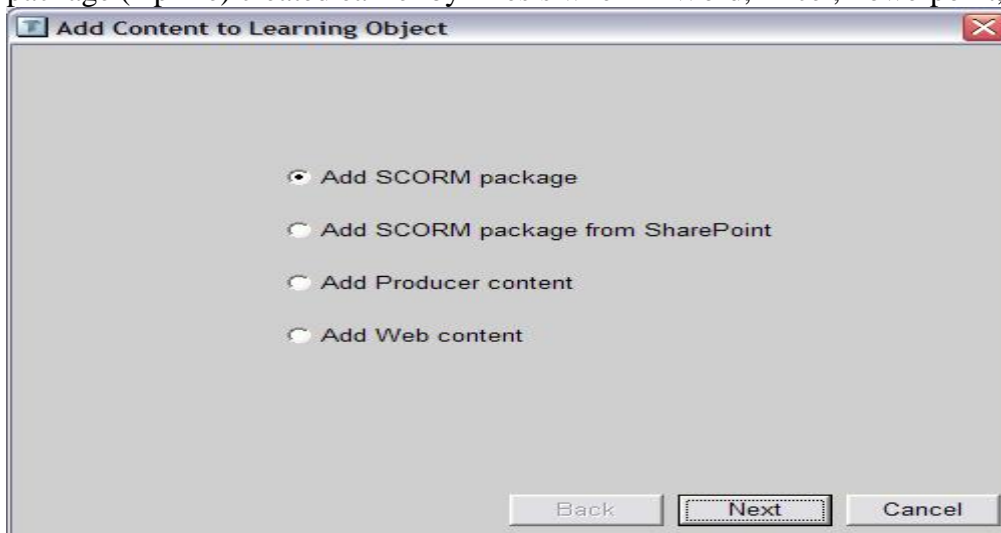


The screenshot shows the THESIS Learning Object Manager 3.5 interface. The left pane displays a tree view with 'Test Multi-SCO Course' expanded to show 'Articulate Testing Results' and 'Hitachi OMD'. The main area is the 'Metadata' form for 'Hitachi OMD'. The form includes the following sections:

- Item Title:** Hitachi OMD
- Include Mastery Score:** 80
- GENERAL:**
 - Title:** Hitachi OMD
 - Language:** EN
 - Catalog:** Default
 - Entry:** Default catalog entry
 - Description:** Lead in slide with Quiz built by Articulate Presenter and Quizmaker
 - Keywords:** Articulate
- RIGHTS:**
 - Cost:** Yes No
 - Copyright and Other Restrictions:** Yes No
 - Description:** Example
- LIFECYCLE:**
 - Status Value:** Final
 - Version:** 1.0
- CLASSIFICATION:**
 - Purpose:** Educational Objective
 - Description:** Example Description
 - Keywords:** Example Keyword
- EDUCATIONAL:**
 - Learning Resource Type:** Exam

A 'Save As Package Metadata' button is located at the bottom right of the form.

When you add content, select **Add SCORM package** then navigate to the SCORM course package (zip file) created earlier by Thesis when in Word, Excel, Powerpoint, or Visio.



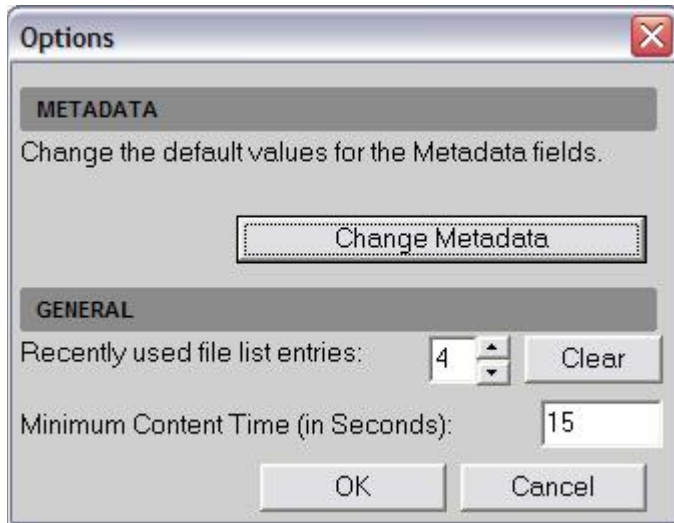
The screenshot shows the 'Add Content to Learning Object' dialog box. It contains four radio button options:

- Add SCORM package
- Add SCORM package from SharePoint
- Add Producer content
- Add Web content

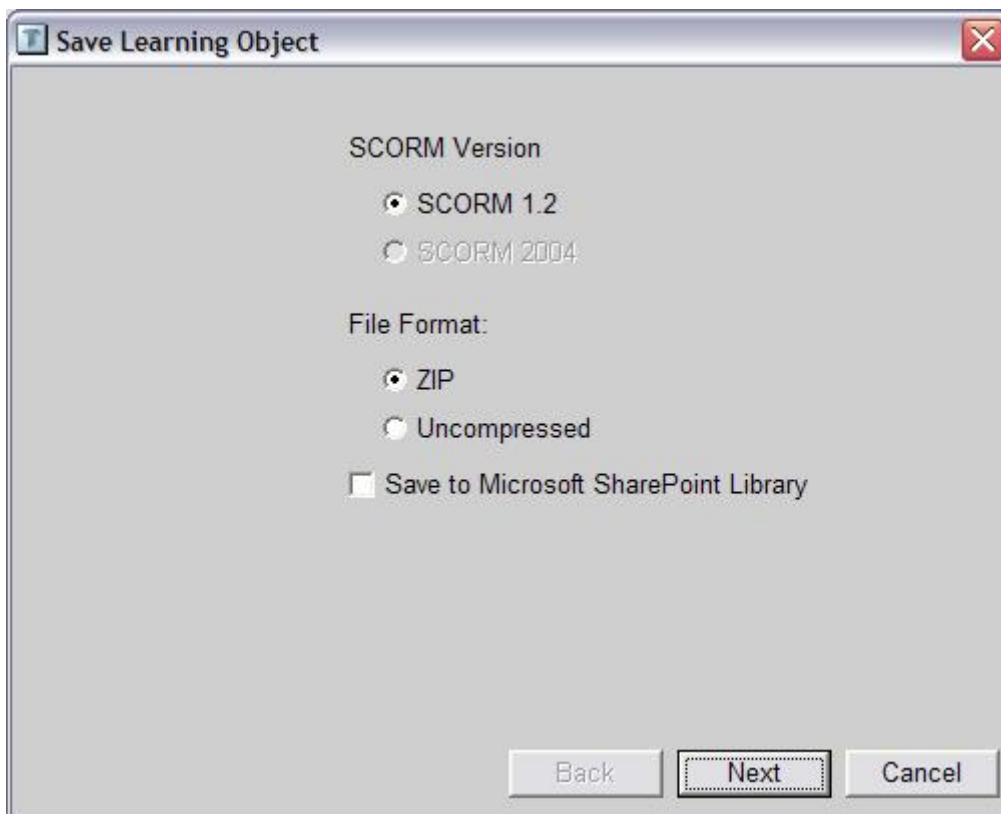
At the bottom of the dialog are three buttons: 'Back', 'Next', and 'Cancel'. The 'Next' button is highlighted with a dashed border.

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If you click the Options button you can set the [Minimum Content Time](#) as the course wide default which probably won't suit all lessons (a downside). I suggest not changing this default. It seems when the course is packaged up it uses each individual SCO's Minimum Content Time. I don't know will happen if you change the course default – it may change all the lessons.



When you are happy with the course, click the [Save](#) button. Select [SCORM 1.2](#) and [ZIP](#) file format then choose a location for the SCORM 1.2 course package.



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You should always import the Thesis output (with or without Thesis Learning Object Manager) into the IBM Lotus Authoring tool. The IBM Lotus Authoring tool will assign a unique package id that the IBM Lotus learning software will recognize when course updates are imported. Otherwise whenever you update the Thesis content the IBM Lotus learning software will view the SCORM 1.2 package as a new course rather than an update. No course number or package id is assigned in the Thesis SCORM 1.2 packages. A secondary advantage of using the IBM Lotus Authoring tool is that you can assign a course number. A third advantage is the IBM Lotus Authoring tool can set the Thesis content to open up in its own web browser window for improved readability. A fourth advantage is the course description, keywords, and some metadata from the IBM Lotus Authoring tool will be recognized by the IBM Lotus learning software. Importing a Thesis SCORM 1.2 package directly into the IBM Lotus learning software will not recognize anything but the course title, activity titles, and activity descriptions.