

User Documentation

3D Presentation Creator

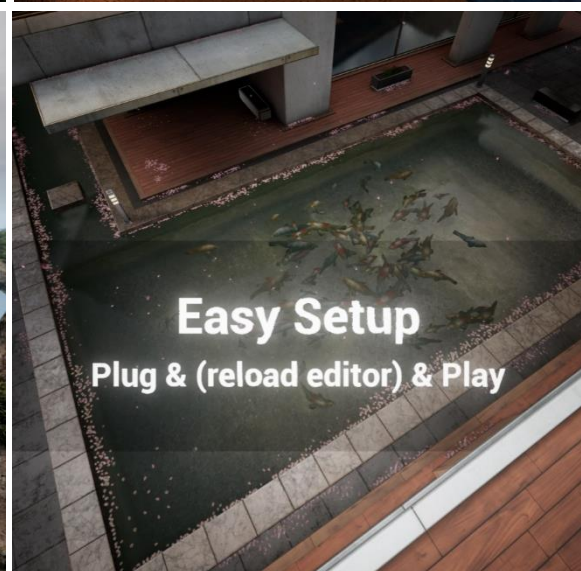
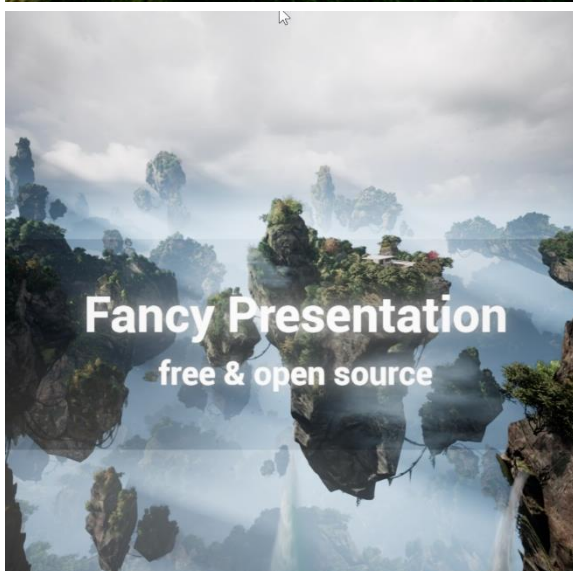
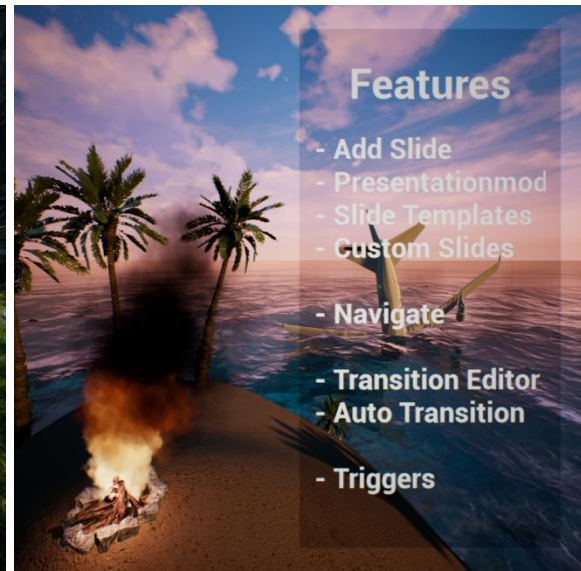
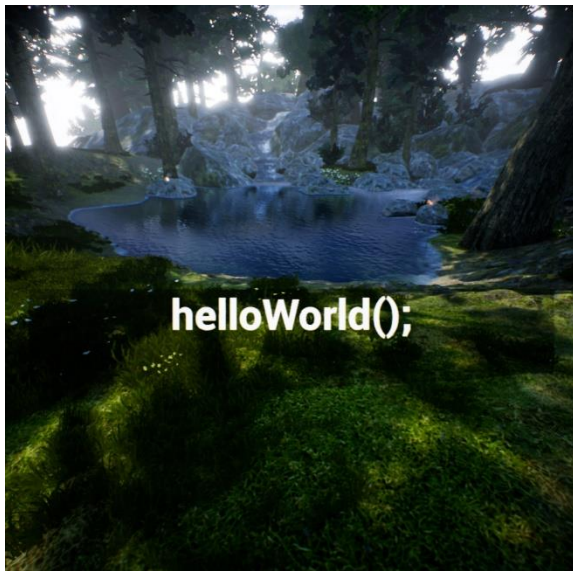
ByteParrot

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1. What is “3D presentations”

3D presentations is a plugin for the Unreal Engine 4 and can be used to turn a level into a presentation. The only necessary setup is to put the plugin in the Plugin folder, activate it inside the project and click on one of the new buttons to configure the level for presenting. After the initial setup, it is possible to place slides into the level and start the presentation by just pressing play¹.

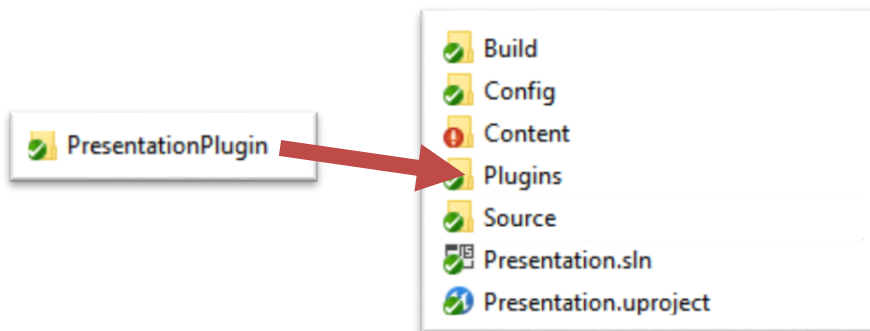


¹ The automatic configuration may not work in every project depending on the things that happen when the level loads. Basically, what needs to be done to get into presentation mode is to set the level-gamemode to be the PresentationMode and not override it at the start of the level.

2. How-to “3D presentations”

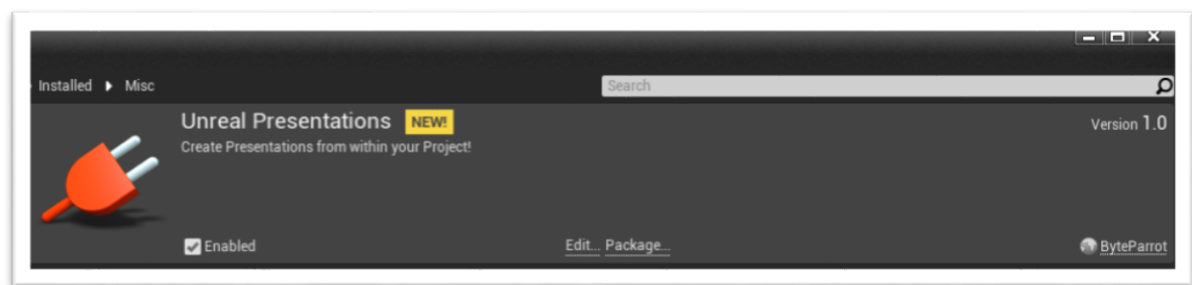
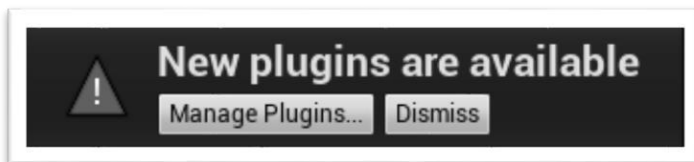
2.1 Initial Setup

Put the presentation plugin folder into the Plugin folder of the project which should be configured for presenting:



2.2 Start Project

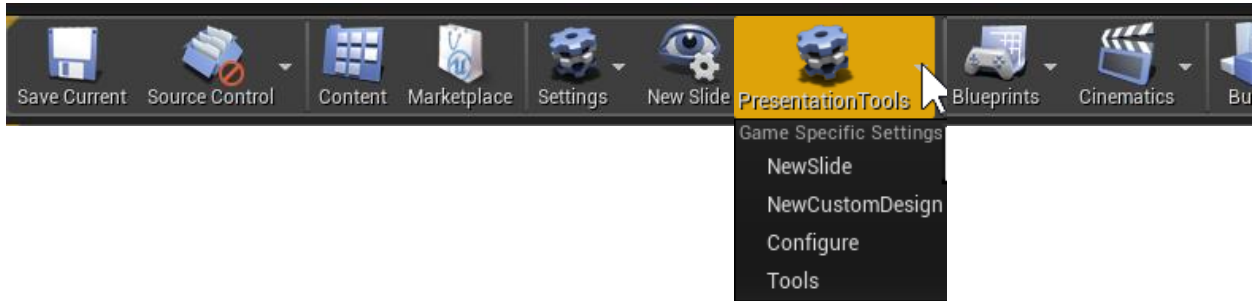
After starting the project you should be notified that new plugins are available. It should also be automatically enabled. If it isn't, check the “Enabled” checkbox and restart the editor as prompted.



2.3 User Interface

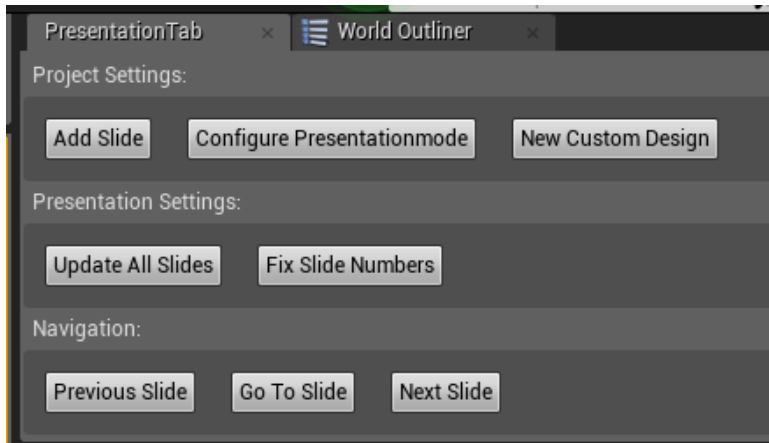
2.3.1 Toolbar Extension

After starting the editor with the plugin enabled, one can see the new buttons in the toolbar with the basic functionality to get a presentation.



2.3.2 Presentation Tools

After clicking on the Tools Button inside the PresentationTools Drop Down menu, a new tab shows up with extended functionality for the presentation creation process.



2.3.3 Slide Tools

When a slide is selected, the details panel contains all the necessary information to change the slide's content.

Slide

Slide Index9

Default

Decrement Slide IndexIncrement Slide Index

Reset Transition CurveUpdate Slide

Slide TemplateTitle1

Data

TitleFIN

Section1Thank You!

Section2Section2

Section3Section3

Section4Section4

Image1NoneNone

BackgroundColor

FontColor

Custom TemplateNone

Use Complex Path

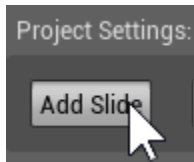
Transition Duration1.0

Auto Continue Time0.0

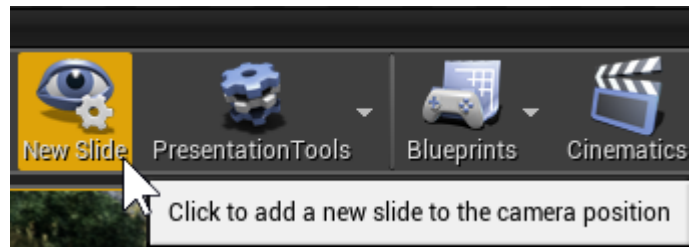
Triggers0 Array elements

2.4 Basic Presentation Functions

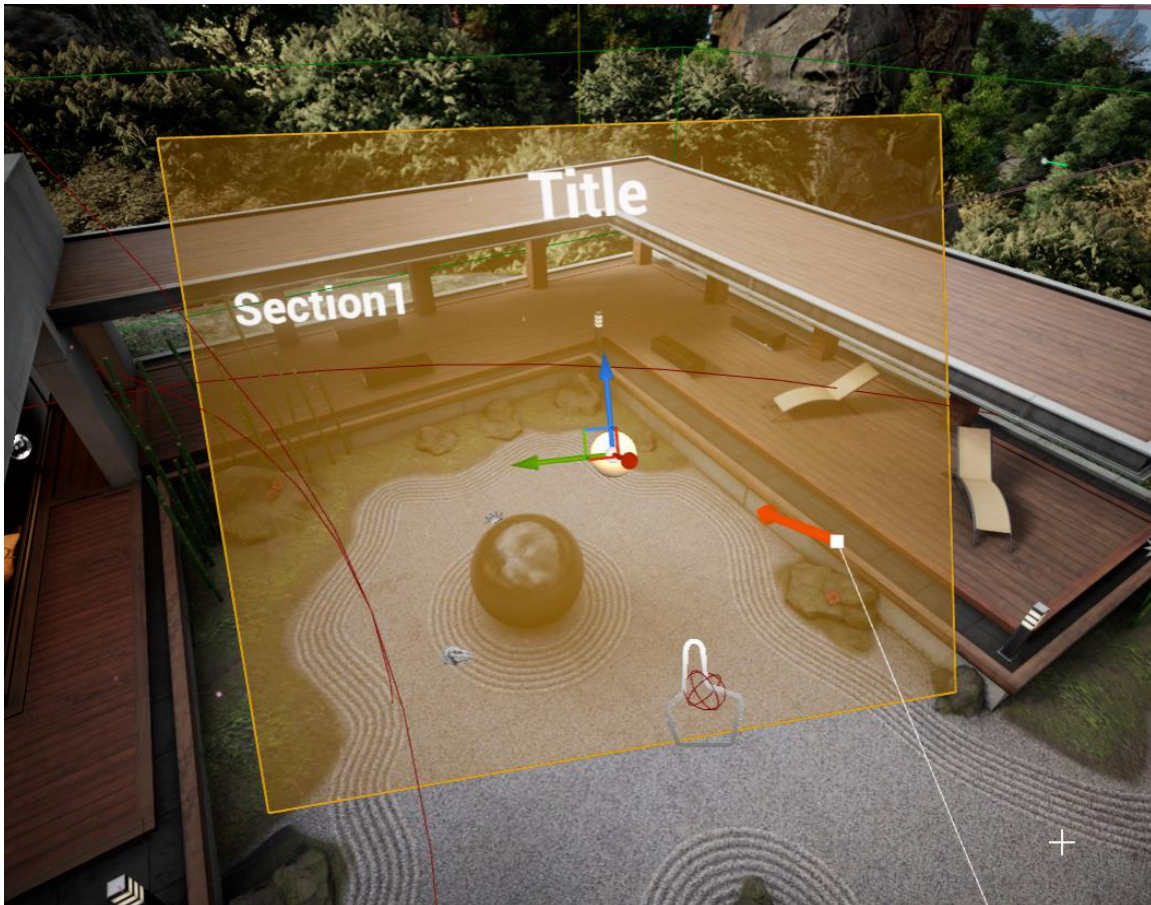
2.4.1 Create a Slide



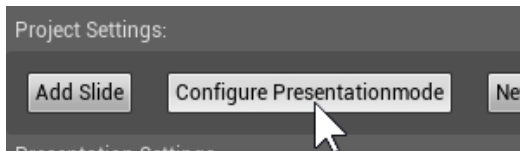
After pressing one of the "Add Slide" Buttons;



A new Slide appears right where the camera is in the Viewport.



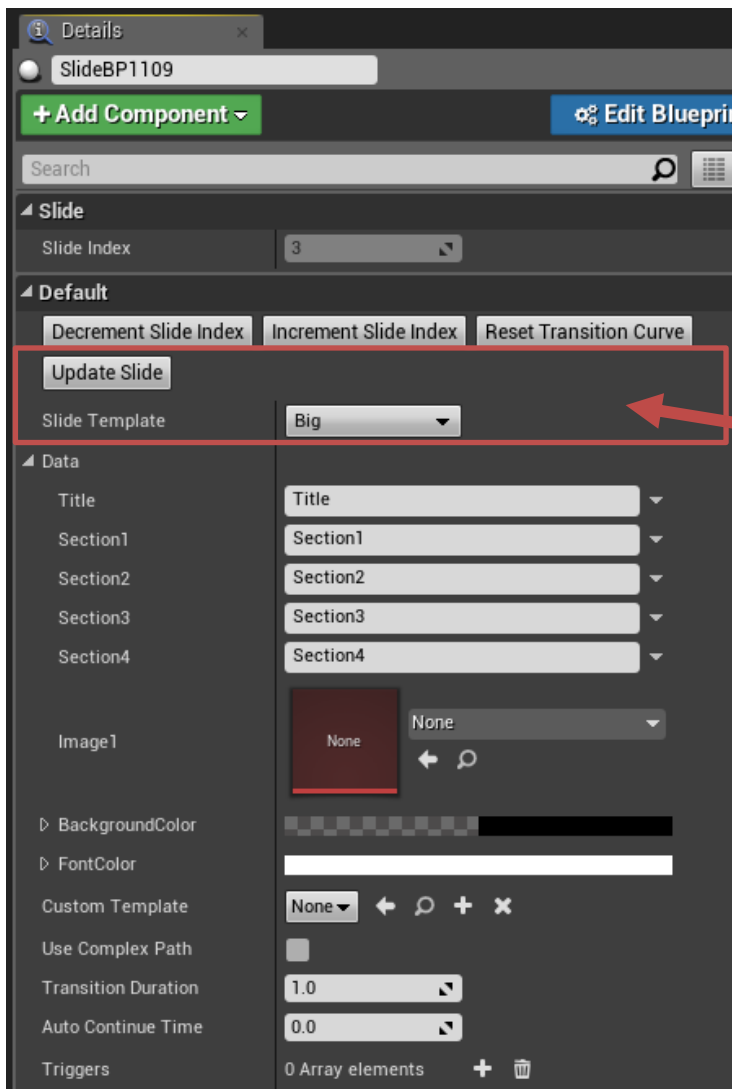
2.4.2 Configure Presentation Mode



When using one of the functions from the Presentation Tool or pressing the "Configure Presentationmode" button, the level is configured in "presentationMode" – which

means that the GameMode in the world settings of this level is changed to the presentationMode. In many projects after this is done the presentation starts after pressing play from now on. If there is some other logic that overrides the game mode in the level initialization or in the settings, this has to be changed to be able to start the presentation.

2.4.3 Edit Slide



The Slide Tools are located in the details panel of the engine.

When selecting a slide there are a bunch of options for this slide.

These buttons can change the index of this slide to occur sooner or later in the presentation, reset the transition curve or update the slide if the proportions haven't been updated or the viewport shows different text than the details panel. Slide Template can be changed to different layouts.

Title, Sections, Image, colors directly change the slide's appearance and content.

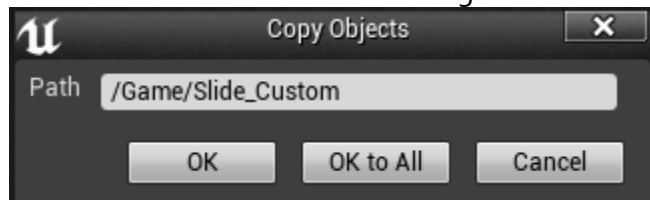
Custom Template can be set to a custom UMG widget. The slide template above has to be set to custom to make use of this function.

Transition Duration are the seconds that the camera needs to the next slide. Auto Continue Time can be used to trigger the switch to the next slide after seconds or 0 to not make use of this feature.

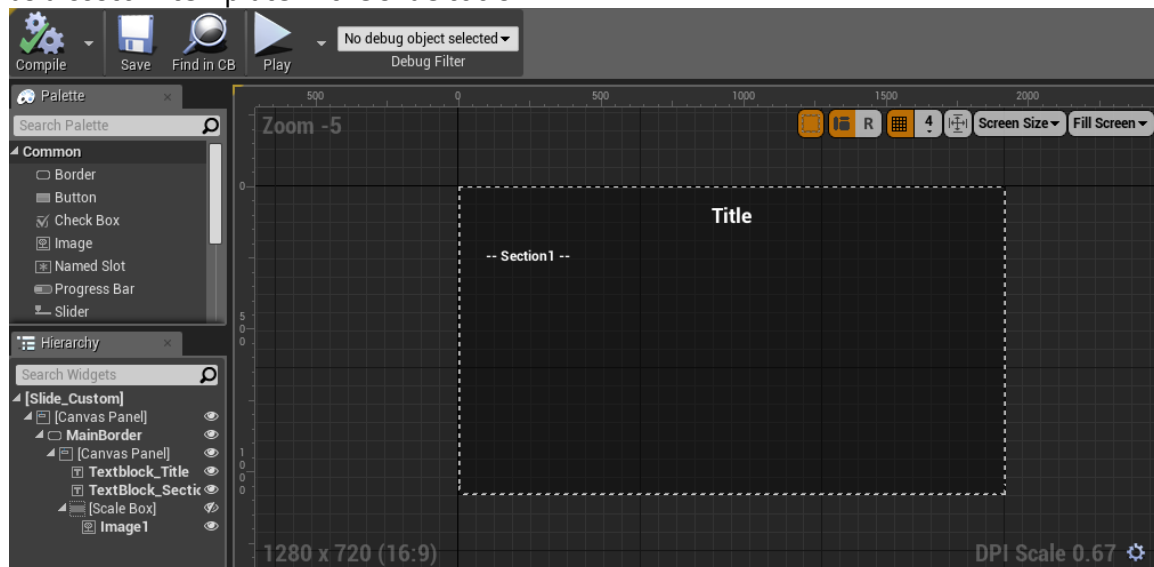
Triggers can be added here – these are blueprints that implement the Trigger Interface. These blueprints are then triggered as soon as the slide is in focus.

2.4.4 Custom Slide Design

When pressing the “new custom design” button, a dialog appears that allows you to edit the name and location of the new design.



The custom design can then be edited in the default Unreal Engine UMG editor and set as a custom template in the slide tools.

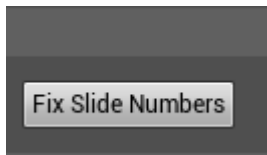


2.5 Advanced Presentation Functions

2.5.1 Update Slides

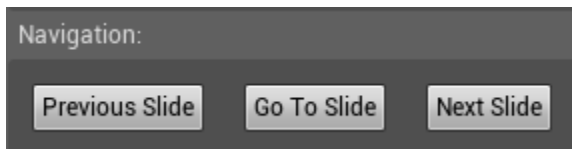
Update all slides can be used if a slide looks outdated, like if the format doesn't fit the viewport size or the text on the slides is not representing the values of the details panel. This is just for the editor. When presenting the slides are updated automatically.

2.5.2 Fix Slide Numbers



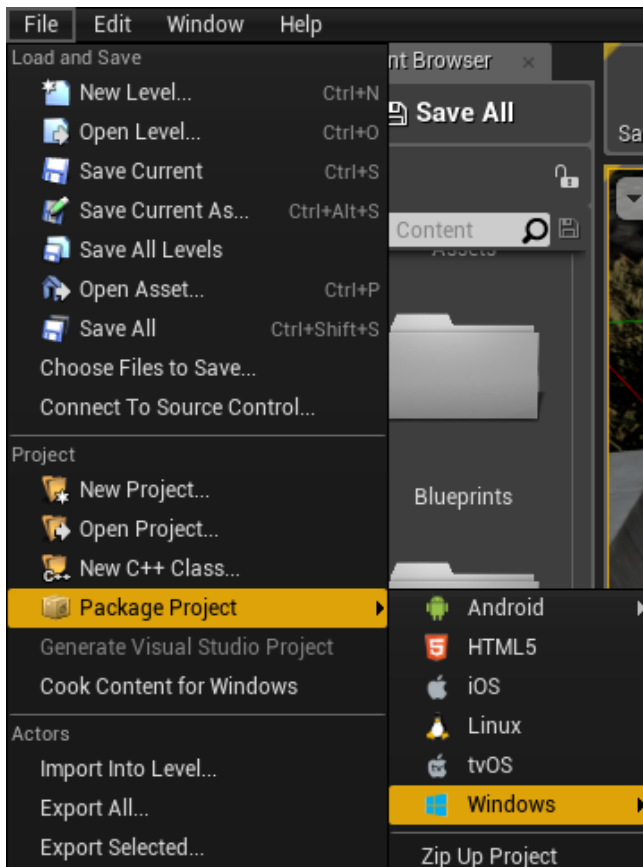
Fix Slide Numbers can be used when slide indexes are not valid anymore like when a slide gets deleted that was in the middle of the presentation. The button basically packs the slide indexes back together.

2.6 Navigation Functions



The navigation function can be used to find the slides in the game world.

2.7 Exporting Presentation



Exporting Presentations are done like exporting games – just goto "File" -> "Package Project" -> "Target Platform"

2.8 Presenting

Presentating is very simple – just use "Space", "Right Arrow" or "Left Mouse" to go to the next slide or use "Backspace", "Left Arrow" or "Right Mouse" to go back.