

Courier V3.0.2

3.0.0-1 Message Processing

1. New [Courier::Component::PostProcess](#) method has been added. This method is called after a component has been processed. A custom component is able to react on each process of a component.
2. New [Courier::MessageReceiver::Deactivate](#) method has been added. This method deactivates the message receiver in the system. After calling this method the message router stops serving this receiver with appropriate messages (means the method Receive() is called). If a custom message receiver is used this method should be called before destroying the custom message receiver instance.

3.0.0-2 Input Handling

New methods were added for setting custom names for GenericConsoleListener and PosixTerminalListener. These are:

- Courier::Platform::ExtComm::Generic::GenericConsoleInputHandler::SetConsoleListenerName
- Courier::Platform::ExtComm::Posix::SetTerminalListenerName

Corresponding getter methods were also provided.

3.0.0-3 Camera Groups

Activation and enable /disable rendering for views have been reworked to fix different aspects related to handling views together with camera groups.

For this the following modifications have been made:

- New Courier::CameraGroupHandler::OnViewInitContent method added for correctly initializing the cameras of a camera group, when their associated views are recreated. This method retrieves a camera if it has been lost, adds it to the camera group and makes all necessary settings for it to correctly be handled;
- New [Courier::ViewScene::ActivateForCamera](#) method has been added. This method activates / deactivates the view for message receiving, regardless of its rendering state and manages a reference count for activation requests for a specific camera of the view;
- New [Courier::ViewScene::EnableRenderingForCamera](#) method has been added. This method enables / disables rendering for the current ViewScene and a specific camera and

manages a reference count for rendering requests for a specific camera of the view;

- [Courier::ViewScene::IsRenderingEnabled](#) method has been moved from [Courier::ViewScene2D](#) and [Courier::ViewScene3D](#) to [Courier::ViewScene](#). This method returns true if the view is enabled for rendering;
- New [Courier::ViewScene::OnActivate](#) protected method has been added. This method delegates [Courier::ParentViewActivateEvent](#) event to controller and widgets;
- New protected methods [Courier::ViewScene2D::ActivateImpl](#) and [Courier::ViewScene3D::ActivateImpl](#) were added. These are actual implementations for [Courier::ViewScene2D::Activate](#) and [Courier::ViewScene3D::Activate](#) methods;
- New protected methods [Courier::ViewScene2D::EnableRenderingImpl](#) and [Courier::ViewScene3D::EnableRenderingImpl](#) were added. These are actual implementations for [Courier::ViewScene2D::EnableRendering](#) and [Courier::ViewScene3D::EnableRendering](#) methods;
- [Courier::ViewScene2D::EnableRenderingScene](#) and [Courier::ViewScene3D::EnableRenderingScene](#) have been made protected;
- New protected and virtual method [Courier::ViewScene::UpdateCameraRenderingState](#) has been added. This is overridden by [Courier::ViewScene2D::UpdateCameraRenderingState](#) and [Courier::ViewScene3D::UpdateCameraRenderingState](#) methods. These methods set the rendering state for the actual camera from [Candera](#).

3.0.0-4 Render Configuration

A new option [Courier::RenderConfiguration::ClearRenderTargetOnUpload](#) was added for configuring the rendering.

This option enables / disables the automatic clearing of the render targets on the next upload. By default, to keep backwards compatibility, this option is set to false.

The interface of [Courier::Gdu](#) class has also been modified to support the above change. Therefore [Courier::Gdu::Upload](#) and [Courier::Gdu::Unload](#) now have a *renderer* parameter which is a pointer to [Courier::Renderer](#).

Also [Courier::Renderer::DeleteRenderJobs](#) method has been made public, so it can be used by [Courier::Gdu](#) class.

3.0.0-5 Visualization

1. A new `Courier::ViewAction::ClearCameraViewports` is added to the [Courier::ViewReqMsg](#). This new `Courier::ViewAction::ClearCameraViewports` will only clear the areas that are rendered by the cameras of the view.

For this, the following changes have been made:

- a new enumeration value has been added to `Courier::ViewAction`;
- a new *onlyCameraViewPorts* parameter has been added to [Courier::View::Clear](#), [Courier::ViewContainer::Clear](#), [Courier::ViewScene2D::Clear](#) and [Courier::ViewScene3D::Clear](#) methods.

2. New [Courier::Renderer::SetIs2DRequest](#) method has been added to [Courier::Renderer](#), which sets a flag for determining if load/unload on a certain layer is requested by a 2D View. Corresponding getter method was also provided.

Revision #3

Created 2023-03-02 07:50:18 UTC by Kanai Tomoaki

Updated 2024-07-31 23:20:27 UTC by Tsuyoshi.Kato