

Als Code Formatter wird clang-format benutzt.

In der Datei clang-format.txt ist unsere

angepasste clang-format Datei und die

Anwendung wurde durch den Code Buddy

überprüft.

Anbei noch ein Screenshot Formatierten Codes.

```

/**
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 */

#pragma once

#include ...

namespace drm {

/**
 * @class safe\_rosbag
 * @brief A safe wrapper for the @c rosbag::Bag class that forwards errors using @c std::error\_code.
 */
class safe\_rosbag {
public:
    /**
     * @brief Default constructor for the @c safe\_rosbag class.
     */
    safe\_rosbag() = default;

    /**
     * @brief Open a ROS bag file.
     *
     * This method opens a ROS bag file specified by the provided file path using @c rosbag::Bag.
     * If the opening process is successful, the method returns without errors. If an error occurs during the process,
     * such as an exception thrown by rosbag, the method logs a warning and returns an error code indicating
     * the nature of the issue.
     *
     * @param filename The path to the ROS bag file to be opened.
     *
     * @return An @c std::error\_code indicating the status of the operation.
     */
    [[nodiscard]] inline std::error\_code open(const std::filesystem::path& filename) noexcept;

    /**
     * @brief Get a view of the ROS bag.
     *
     * This method adds a query of the bag to the provided @c rosbag::View.
     * If an error occurs during the process, such as an exception thrown by rosbag, the method
     * logs a warning and returns an error code indicating the issue.
     *
     * @note In case of an error, the provided @c rosbag::View may not be in a valid state,
     * and its content should not be considered reliable.
     *
     * @param view Reference to a @c rosbag::View object to store the obtained view.
     * @param topic The name of the topic to filter the view.
     * @param min_time The minimum timestamp of the desired time interval.
     * @param max_time The maximum timestamp of the desired time interval.
     */

```