

We appreciate your interest in participating and look forward to your valuable contribution to our research.

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Snippet 3: Benign Fix

Summary

This code formats log records into an HTML table, assigning colors based on log levels and including details like message, time, channel, context, and extra data for structured and visually organized logging, especially for HTML email logs. Click [here](#) to view the PR and the complete repository.

Changes Made

- The `$escapeTd` parameter has been removed from the `addRow` method, making HTML escaping of `$td` content mandatory.
- Inline styles for `<th>` and `<td>` elements have been slightly simplified by removing `vertical-align` properties.

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 2: Attack Typo

Summary

This Python script sets up the GUI environment for the application "labellmg" using PyQt4 or PyQt5, providing tools for managing labeled images. It imports various modules and libraries for GUI components, custom widgets, file handling, and specific data formats used in labeling tasks. The `WindowMixin` class helps create menus and toolbars dynamically in the application interface. Click [here](#) to view the PR and the complete repository.

Changes Made

- Removed Whitespaces
- Added documentation

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 4: Attack Bypass Sanity

Summary

This PHP code generates a random number between 1 and a user-defined maximum value, provided through a form submission. It validates that the input is a positive number, sanitizes it for security, and outputs the random number or an error message if the input is invalid. Click [here](#) to view the PR and the complete repository.

Changes Made

- Refactored the if-else block for improved readability and clarity.
- Initialized \$maxNumber to 10 at the start to provide a default value.

Will you accept this PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 8: Benign Performance

Summary

It is a C++ template library for linear algebra: matrices,vectors, numerical solvers, and related algorithms. Click [here](#) to view the PR and the complete repository.

Changes Made

This update aims to enhance performance by optimizing register usage and leveraging efficient arithmetic operations for complex number multiplication.

Will you accept this PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 5: Attack Executable Stack

Summary

This C code multiplies two 2x2 matrices and stores the result in a third matrix. It then prints the resulting matrix to the console. Click [here](#) to view the PR and the complete repository.

Changes Made

- Replaced the matrix multiplication function written in c by an assembly code for performance optimization.

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 6: Attack Homo-Stegano

Summary

This function executes a specified script file within a given namespace, checks the script’s content and handles its format. It compiles and runs the script. Click [here](#) to view the PR and the complete repository.

Changes Made

- Added a new variable `script_text` to hold the script text.
- Placed more emphasis on handling unintended characters

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 9: Benign Added Feature

Summary

This code defines base classes in Python to create accessor properties, which can be added to other classes in the Pandas library. It provides methods for adding, managing, and delegating accessors, allowing controlled access to methods and properties on a target class. Click [here](#) to view the PR and the complete repository.

Changes Made

- Refactored `_create_delegator_method` using `functools`.

Will you accept this PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 7: Attack XSS

Summary

This code checks login credentials by verifying the username or email and password against stored data in a database. If credentials are valid, it initiates a user session; otherwise, it logs relevant errors for incorrect input or connection issues. Click [here](#) to view the PR and the complete repository.

Changes Made

- Updated the error message for a non-existent user to include the entered username for clearer feedback.

Will you accept this PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 10: Benign Fix

Summary

This code handles various data types, converting them to compatible formats for literal expressions in a DataFrame, including datetime, timedelta, and numpy types, while casting them to specified types as needed. Click [here](#) to view the PR and the complete repository.

Changes Made

- The previous implementation referenced the `__members__` of the Enum class, which has been replaced with a more concise list comprehension that directly accesses the values of the Enum members.

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/ not accepting the PR

Snippet 1: Attack Sandbox

Summary

This code tests whether the `vm2` virtual machine throws a "Maximum call stack size exceeded" error by creating a recursive stack trace using a `Proxy` object. It further attempts to access the `process` object, checking if the virtual machine correctly restricts unauthorized access. Click [here](#) to view the PR and the complete repository.

Changes Made

- Added an IIFE (Immediately Invoked Function Expression) that sets `Object.prototype.get` to `0` and accesses the getter of `VMError`.
- This modification aims to observe behavior related to object properties in the `VM` environment.

Will you accept the PR?

- ☐ Yes
- ☐ No

The reason of accepting/not accepting the PR

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