

Merged

# FlatAHB Dump: Don't use new GUID for otherwise unchanged lines #158

Author merged 4 commits into main from dont-use-new-guid 3 weeks ago



Reviewer reviewed 3 weeks ago

View reviewed changes

src/kohlrabbi/unfoldedahb/unfoldedahbtable.py

Outdated

```
299 +         if dump_equals_existing_file_except_for_guids:
300 +             ahb_line_schema = AhbLineSchema()
301 +             for line, existing_line in zip(flat_ahb.lines, existing_flat_ahb.lines):
302 +                 line_copy = ahb_line_schema.load(ahb_line_schema.dump(line))
```



Reviewer 3 weeks ago • edited

Collaborator

This is a C# pattern for deep copies isn't it?  
I thought in Python there are methods to create deep copies.  
\*asking chatGPT\*  
ah yes there is a standard lib called copy  
See <https://chat.openai.com/share/4ad4c1ad-6f13-4a21-a0e3-aaf75e17c556>



Reply...

ChatGPT shared conversation

Modified commit based on the review

23e4ecf

## Deep Copy in Python.

July 24, 2023



You are a Python expert.  
How can I create a deep copy of a variable?



Certainly! In Python, if you want to create a deep copy of a variable, especially for complex objects like lists or dictionaries that contain nested objects, you should use the `copy` module which provides the `deepcopy` function.

Here's how you can use it:

python

Copy code

```
import copy

original_list = [[1, 2, 3], [4, 5, 6]]
deep_copied_list = copy.deepcopy(original_list)

# Now, if you modify the nested list inside the original list...
original_list[0][0] = 99

print(original_list)      # Outputs: [[99, 2, 3], [4, 5, 6]]
print(deep_copied_list)   # Outputs: [[1, 2, 3], [4, 5, 6]] (remains unchanged)
```

52 src/kohlrabbi/unfoldedahb/unfoldedahbtable.py

```
30 + def _lines_are_equal_when_ignoring_guid(line1: AhbLine, line2: AhbLine) -> bool:
31 +     """
32 +     returns true iff the line1 and line2 are equal except for their guid
33 +     """
34 +     line1_copy = copy.deepcopy(line1)
35 +     line2_copy = copy.deepcopy(line2)
36 +     line1_copy.guid = None
37 +     line2_copy.guid = None
38 +     return line1_copy == line2_copy
```