

python / cpython Public

[Code](#) [Issues](#) 5k+ [Pull requests](#) 2.2k [Actions](#) [Projects](#) [Security and q](#)

New issue



# Add more consistency checks in zipfile #139700

Closed

Labels

3.10

3.11

3.12

3.13

3.14

3.15

stdlib

type-security



serhiy-storchaka opened on Oct 7, 2025 · edited by bedevere-app

Edits ▾

Member



`zipfile` supports ZIP archives with prepended data (such as SFX executable or zipapp program). Normally, ZIP archive contains offsets from the beginning of the ZIP file, but if it detects that the central directory is located at other position, it corrects locations of all files by the corresponding offset.

There is also "Zip64 end of central directory record" offset for which is written explicitly and can be used to calculate the size of prepended data. Currently its consistency with the central directory offset is not tested.

## Linked PRs

- [gh-139700: Check consistency of the zip64 end of central directory record #139702](#)
- [\[3.14\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) #139706](#)
- [\[3.13\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) #139708](#)
- [\[3.12\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) \(GH-139708\) #139712](#)
- [\[3.11\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) \(GH-139708\) #139713](#)
- [\[3.10\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) \(GH-139708\) #139714](#)
- [\[3.9\] gh-139700: Check consistency of the zip64 end of central directory record \(GH-139702\) \(GH-139708\) #139715](#)

StanFromIreland added this to [Zipfile issues](#) on Oct 7, 2025

StanFromIreland added **stdlib** **type-feature** on Oct 7, 2025

serhiy-storchaka added a commit that references this issue on Oct 7, 2025  
[pythongh-139700](#): Check consistency of the zip64 end of central direct. ... 8e208c6

bedevere-app mentioned this on Oct 7, 2025  
[gh-139700](#): Check consistency of the zip64 end of central directory record #139702

StanFromIreland added **type-security** **3.11** **3.10** **3.12** **3.13** **3.14** **3.15** and removed **type-feature** on Oct 7, 2025

serhiy-storchaka added a commit that references this issue on Oct 7, 2025  
[gh-139700](#): Check consistency of the zip64 end of central directory re. ... 162997b

miss-islington added a commit that references this issue on Oct 7, 2025  
[pythongh-139700](#): Check consistency of the zip64 end of central direct. ... 5454f86

33 remaining items

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Metadata


Assignees


No one assigned

Labels

- 3.10** **3.11** **3.12** **3.13** **3.14** **3.15** **stdlib** **type-security**

### Projects

 **Zipfile issues**

Status Done 

### Milestone

No milestone

### Relationships

None yet

### Development

No branches or pull requests

### Participants

