# Article information:

Small File Archives in MinIO
<https://blog.min.io/small-file-archives/>

# Article summary:

1. MinIO RELEASE.2021-06-14 added an "s3zip" extension that allows downloading individual files from ZIP archives.

2. This feature allows retrieving individual files within ZIP files uploaded to MinIO, making it possible to upload a single ZIP file that contains thousands of files.

3. The s3zip feature allows you to store many small individual files in a compact way, reducing storage overhead and processing time for ILM and other operations.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

The article titled "Small File Archives in MinIO" provides an overview of the new "s3zip" extension added to MinIO, which allows downloading individual files from ZIP archives. The article explains the benefits of using this feature compared to downloading regular objects and provides use cases where it can be beneficial. However, the article has some potential biases and missing points of consideration.

One-sided Reporting: The article only presents the benefits of using s3zip and does not mention any potential drawbacks or limitations. For example, it is not possible to update individual files inside the ZIP file, and there is no individual metadata for files inside a zip, only name and size. These limitations should be considered before deciding to use s3zip.

Unsupported Claims: The article claims that using s3zip can reduce storage overhead and processing time for ILM and other operations. However, there is no evidence provided to support this claim.

Missing Points of Consideration: The article mentions that ZIP compression is secondary, and generally it is recommended to leave files inside ZIP files uncompressed. However, it does not explain why this is recommended or provide any evidence to support this recommendation.

Promotional Content: The article promotes the use of MinIO by providing examples of how s3zip can be used with MinIO. While this may be useful information for those already using MinIO, it may come across as promotional content for those who are not familiar with MinIO.

Partiality: The article only presents one side of the argument for using s3zip and does not explore any counterarguments or alternative solutions.

Possible Risks Noted: The article notes that if you know that you will be modifying the contents of the ZIP file, then don’t use a ZIP file, save the files as regular objects instead. This highlights a potential risk associated with using s3zip.

Not Presenting Both Sides Equally: The article only presents the benefits of using s3zip and does not mention any potential drawbacks or limitations. This lack of balance may lead readers to make uninformed decisions about whether to use s3zip.

In conclusion, while the article provides useful information about the new s3zip extension in MinIO, it has some potential biases and missing points of consideration that should be taken into account when evaluating the usefulness of this feature. It would have been more balanced if the article had presented both sides of the argument for using s3zip and provided evidence to support its claims.

# Topics for further research:

* Limitations of s3zip in MinIO
* Updating files inside ZIP archives in MinIO
* Metadata for files inside ZIP archives in MinIO
* Evidence supporting reduced storage overhead and processing time with s3zip in MinIO
* Benefits of leaving files uncompressed inside ZIP archives in MinIO
* Alternative solutions to s3zip in MinIO for downloading individual files from ZIP archives

# Report location:

<https://www.fullpicture.app/item/3874cf156f6e64526be46847dd8c8055>