



Janos Pasztor

Getting help in the IT community

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<https://pasztor.at>

@janoszen

Google Your Error

Why doesn't it work!?!?!?!?!?

Google Your Error

First: Google

Google Your Error

Warning: Cannot modify header information - headers already sent by (output started at /some/file.php:12) in /some/file.php on line 23

Google Your Error

Warning: Cannot modify header information - headers already sent by (output started at /some/file.php:12) in /some/file.php on line 23

Google Your Error

Warning: Cannot modify header
information - headers already sent by
(output started at /some/file.php:12) in
/some/file.php on line 23

Google Your Error

A white search bar with a thin grey border. On the left side, there is a small vertical line indicating the cursor position. On the right side, there is a small microphone icon, suggesting voice search functionality.

Google Search

I'm Feeling Lucky

Google offered in: [Deutsch](#)

Google Your Error



Warning: Cannot modify header information - headers already sent by (o



All

Videos

Images

News

Shopping

More

Settings

Tools

About 1.050.000 results (0,60 seconds)

However, if you get an error "**Headers already sent**" as the first error and it tells you the error is near the end of a file (check which file "**output started at**" points to), that probably means that there are extra spaces or lines after a closing `?> php` tag. Mar 26, 2011

Warning: "Headers already sent" or "Cannot modify header - Drupal"
<https://www.drupal.org/node/1424>



About this result



Feedback

Google Your Error

:(

Google Your Error

Google results are often not helpful

Google Your Error



No output before sending headers!

2457



[summary](#) ⬇ Otherwise the call fails:



Warning: Cannot modify header information - headers already sent (output started at *script:line*)

+100

Some functions modifying the HTTP header are:

- `header` / `header_remove`
- `session_start` / `session_regenerate_id`
- `setcookie` / `setrawcookie`

Output can be:

- *Unintentional:*
 - Whitespace before `<?php` or after `?>`
 - The [UTF-8 Byte Order Mark](#) specifically
 - Previous error messages or notices
- *Intentional:*
 - `print`, `echo` and other functions producing output
 - Raw `<html>` sections prior `<?php` code.

Google Your Error

Google inception!

Google Your Error

Functions that send/modify HTTP headers must be invoked before any output is made.

Google Your Error

Functions that send/modify **HTTP headers** must be invoked before any output is made.

Google Your Error



HTTP headers



Google Search

I'm Feeling Lucky

Google offered in: [Deutsch](#)

Google Your Error

List of HTTP header fields - Wikipedia

https://en.wikipedia.org/wiki/List_of_HTTP_header_fields ▼

Tells downstream proxies how to match future request headers to decide whether the **cached** response can be used rather than requesting a fresh one from the **origin server**. Example 1: Vary: * Example 2: Vary: **Accept-Language**.

[Media type](#) · [Content negotiation](#) · [Header injection](#) · [Compression](#)

HTTP headers - HTTP | MDN

<https://developer.mozilla.org/en-US/docs/Web/HTTP/Headers> ▼

Sep 25, 2017 - **HTTP headers**. **HTTP headers** allow the client and the server to pass additional information with the request or the response. A request **header** consists of its case-insensitive name followed by a colon ' : ', then by its value (without line breaks).

[Connection](#) · [Content-Type](#) · [Response header](#) · [Authorization](#)

Google Your Error

HTTP headers allow the client and the server to pass additional information with the request or the response. A request header consists of its case-insensitive name followed by a colon ':', then by its value (without line breaks). Leading white space before the value is ignored.

Custom proprietary headers can be added using the 'X-' prefix, but this convention was deprecated in June 2012, because of the inconveniences it caused when non-standard fields became standard in [RFC 6648](#); others are listed in an [IANA registry](#), whose original content was defined in [RFC 4229](#). IANA also maintains a [registry of proposed new HTTP message headers](#).

Google Your Error

Lesson: Google twice!

Asking questions

What if Google doesn't help?

Asking questions



John Doe

Why doesn't my website work?

Like · Comment · 9 minutes ago · 

Asking questions

Your goals when asking a question

Asking questions

1. Explain your end goal.

Asking questions

1. Explain your end goal.
2. Explain all details you have.

Asking questions

1. Explain your end goal.
2. Explain all details you have.
3. Convince the reader
you are worth answering.

Asking questions

Be on-topic!

Asking questions

1. Don't post HTML questions in a PHP forum.

Asking questions

1. Don't post HTML questions in a PHP forum.
2. Don't post a JavaScript questions in a Java forum.

Asking questions

1. Don't post HTML questions in a PHP forum.
2. Don't post a JavaScript questions in a Java forum.
3. ...

Asking questions

State your end goal!

Asking questions



John Doe

Yesterday at 2:55am · 🌐

How do I access a private variable of a different class?

Like · Comment · Share

Asking questions

Give details!

Asking questions

1. Post your source code / blueprints.

Asking questions

1. Post your source code / blueprints.
2. Post logs / measurements.

Asking questions

Watch your grammar!

Asking questions



John Doe

Yesterday at 2:55am · 🌐

My program not function mysql connection not work.

Like · Comment · Share

Asking questions

Structure your question!

Asking questions



John Doe

Yesterday at 2:55am · 🌐



I'm writing an application in PHP and MySQL and I have a problem. I'm getting Warning: Cannot modify header information - headers already sent by (output started at /some/file.php:0) in /some/file.php on line 23 and no matter what I do I can't fix it. The line mentioned only contains the start of my PHP file and I don't know what to do.

[Like](#) · [Comment](#) · [Share](#)

Asking questions



John Doe

Yesterday at 2:55am · 🌐



I'm running into an error in my PHP/MySQL application.

Error message: Warning: Cannot modify header information - headers already sent by (output started at /some/file.php:0) in /some/file.php on line 23

The line in question:

```
<?php
```

I'm completely stuck and I have no idea what to do. How do I debug this issue?

[Like](#) · [Comment](#) · [Share](#)

Asking questions

Don't ask for a private response.

Asking questions



John Doe

Yesterday at 2:55am · 

...

Please answer me at johndoe@gmail.com

Like · Comment · Share

Asking questions

Actually ask a question. :)

Asking questions

More tips:

How To Ask Questions The Smart Way

Eric Steven Raymond

Debugging your code

Finding errors

Debugging your code

Step by step debugging

Debugging your code

```
private void runBackup(Path path) throws BackupFailedException { path: "/test.txt"
    try {
        if (Files.isRegularFile(path)) { path: "/test.txt"
            s3Client.put( s3Client: MockS3Client@1421
                path.toString(),
                Files.readAllBytes(path)
            );
        } else {
            for (Path subPath : Files.list(path).collect(Collectors.toList())) {
                runBackup(subPath);
            }
        }
    } catch (IOException e) {
        throw new BackupFailedException(e);
    }
}
```

Debugging your code

```
private void runBackup(Path path) throws BackupFailedException { path: "/test.txt"
    try {
        if (Files.isRegularFile(path)) { path: "/test.txt"
            s3Client.put( s3Client: MockS3Client@1421
                path.toString(),
                Files.readAllBytes(path)
            );
        } else {
            for (Path subPath : Files.list(path).collect(Collectors.toList())) {
                runBackup(subPath);
            }
        }
    } catch (IOException e) {
        throw new BackupFailedException(e);
    }
}
```

Variables

- ▶ **this** = {CreateBackupRunner@1414}
- ▼ **path** = {JimfsPath@1420} "/test.txt"
 - ▼ **root** = {Name@1441} "/"
 - ▶ **display** = "/"
 - ▶ **canonical** = "/"
 - ▶ **names** = {SingletonImmutableList@1442} size = 1
 - ▶ **pathService** = {PathService@1443}
- ▼ **s3Client** = {MockS3Client@1421}
 - ▶ **rootDirectory** = {MockS3Client\$Directory@1439}
 - ▶ **timeAccessor** = {MockS3Client\$lambda@1440}

Debugging your code

The image shows the Wireshark network protocol analyzer interface. The top menu bar includes File, Edit, View, Go, Capture, Analyze, Statistics, Telephony, Wireless, Tools, and Help. Below the menu is a toolbar with various icons for file operations, packet selection, and analysis. The main display area is divided into three panes:

- Packet List:** Displays a list of captured packets. The first packet (No. 1) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The second packet (No. 2) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The third packet (No. 3) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The fourth packet (No. 4) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The fifth packet (No. 5) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The sixth packet (No. 6) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The seventh packet (No. 7) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The eighth packet (No. 8) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The ninth packet (No. 9) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055. The tenth packet (No. 10) is a TCP Reset (RST) from 192.168.88.15 to 13.69.158.96, with a sequence number of 60111055.
- Packet Details:** Shows the structure of the selected packet (No. 8). It includes the Ethernet II header, Internet Protocol Version 4 header, and Transmission Control Protocol header. The TCP header shows a sequence number of 60111055 and a window size of 65535.
- Packet Bytes:** Displays the raw data of the selected packet in hexadecimal and ASCII.

A large, stylized "FRESH SHARK" watermark is overlaid on the right side of the image. The text "FRESH" is in a smaller font, and "SHARK" is in a much larger, bold font. The watermark is white with a black outline.

Debugging your code

Read the logs

Debugging your code

Linux/OSX:

`/var/log/syslog`

Windows:

Event Viewer

Debugging your code

Format your code

Debugging your code

```
private void runBackup(Path path) throws BackupFailedException {  
    try {  
        if (Files.isRegularFile(path)) {  
            s3Client.put(  
                path.toString(),  
                Files.readAllBytes(path)  
            );  
        } else {  
            for (Path subPath : Files.list(path).collect(Collectors.toList())) {  
                runBackup(subPath);  
            }  
        }  
    } catch (IOException e) {  
        throw new BackupFailedException(e);  
    }  
}
```

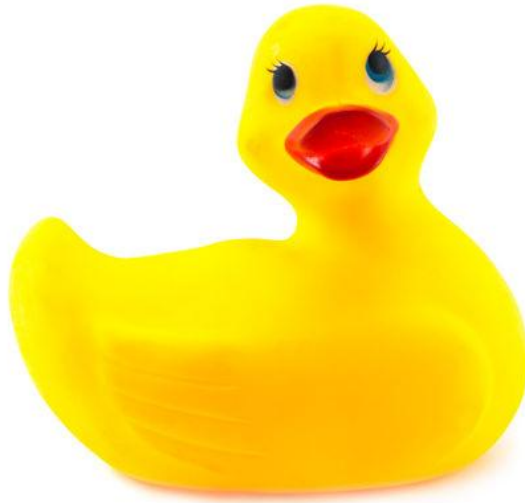
Debugging your code

```
private void runBackup(Path path) throws BackupFailedException {  
    try {  
        if (Files.isRegularFile(path)) {  
            s3Client.put(  
                path.toString(),  
                Files.readAllBytes(path)  
            );  
        } else {  
            for (Path subPath : Files.list(path).collect(Collectors.toList())) {  
                runBackup(subPath);  
            }  
        }  
    } catch (IOException e) {  
        throw new BackupFailedException(e);  
    }  
}
```

Debugging your code

Rubber Duck Debugging

Debugging your code



Recap

Let's sum it up!

Recap

1. Do your homework first

Recap

1. Do your homework first
2. Pick the right forum

Recap

1. Do your homework first
2. Pick the right forum
3. Write good questions

Recap

1. Do your homework first
2. Pick the right forum
3. Write good questions
4. **Get your hands dirty**

Debugging your code

Questions?