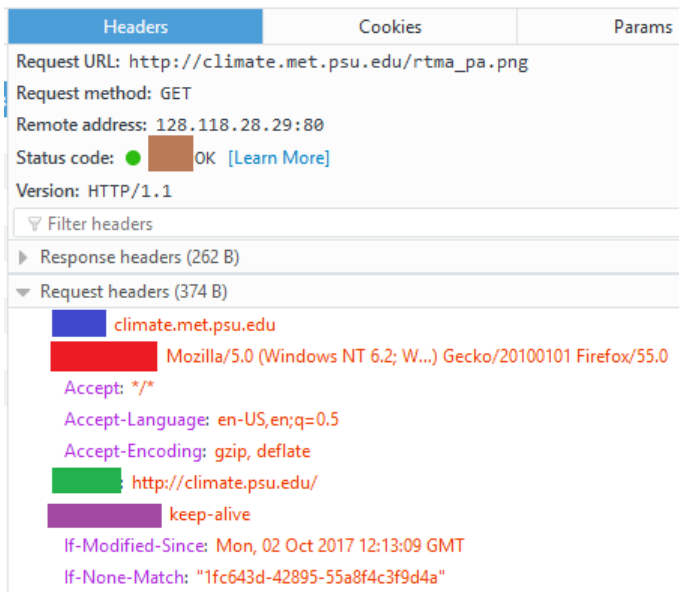


Networks Homework 2 (Due Friday 8/28/2020)

1. Five things have been obscured in the image below by rectangles. From top to bottom in order, what are those five things? [Hint: If you're not sure about the headers, try looking at some in your web browser's developer console and see which ones look similar to what's happening here.]



2. Fill in the blank (same thing fills in all of the blanks): The _____ header field in a request provides the _____ and port information from the target URI, enabling the origin server to distinguish among resources while servicing requests for multiple _____ names on a single IP address.
3. Which of these is not a valid HTTP request method?
- (a) DELETE (b) FIND (c) GET (d) POST (e) PUT
4. When an older site switches from HTTP to HTTPS, in order to direct people to the new HTTPS site, a response with what status code is used when people try to visit the old HTTP site?
5. Suppose you are at `example.com/admin/passwords.html`. If you remove `passwords.html` from the URL and just look at `example.com/admin/`, what status code will you likely get, provided `example.com` has properly configured their server to keep you from seeing the directory contents?
6. The URL `www.example.com/cybersecurity.html#networking`, if it existed, would most likely do what?
- (a) Take you to the networking subsection of `cybersecurity.html` on `example.com`
(b) Send query data with the value `networking` to `example.com`'s `cybersecurity` page
(c) None of these. It would result in a browser error.
7. Suppose I put a link on my web page to Nolan's personal website. What particular HTTP header could Nolan see in his server logs that would alert him to the fact that people are getting to his site by clicking links on my site?
8. Fill in the blanks below to create the simplest possible HTTP/1.1 request that requests the page `helloworld.html` from a site that expects the host header to be set to `gatorade.com`.
- _____
_____: _____
9. A form at `http://45.79.189.210/355hw2.php` (on a server I control) expects data to be sent to it via a GET request in fields called `name` and `search`. Suppose we want to send it the name `msm` and the search `#themount` that contains a special `#` character. Fill in the blanks below to complete the URL along with its query string. The number of blanks is the exact number you need for the query string. That site is active and you can try out your answer. If you get it right, it will give you a success message.

`http://45.79.189.210/355hw2.php` _ _ _ _ _