

Web Service Shell - Bug #432

hostname in dataselect and station usage is an IP, not an hostname

01/15/2014 06:38 AM - P Volcke

Status:	New	Start date:	01/15/2014
Priority:	Low	Due date:	
Assignee:	Mike Stults	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Resolution:	Won't Fix		

Description

about the WSShell usage loggers (ie. dataselect_usage.log & station_usage.log) :

"Client Name" column seems to be the IP instead (but there's already another field with the IP).

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Log of email exchanges with Bruce @ IRIS :

The code looks like this:

```
public static String getClientName(HttpServletRequest request) {  
    return request.getRemoteHost();  
}
```

```
public static String getClientIp(HttpServletRequest request) {  
    String xflp = getXForwardIp(request);  
    if (xflp == null) {  
        return request.getRemoteAddr();  
    } else {  
        return xflp;  
    }  
}
```

In our case, they both appear to be returning an IP address. I am confused about this.

For example, in our logs I see this:

```
access_date=2014-01-06T18:31:04, application=fdsnws-dataselect_summary, client_ip=78.156.72.172, client_name=78.156.72.172,  
data_size=512, host=wslive4, http_status=200, process_time=454, user_agent=Swarm/2.3.2.5
```

I do not know why it behaves like that. Our non-was services (for example irisws-timeseries) do not behave this way.  
The `String xflp = getXForwardIp(request);` code is used to get the incoming ip address from the load balancer.

#### History

##### #1 - 03/17/2014 05:02 PM - Chad Trabant

- Assignee set to Mike Stults

##### #2 - 08/14/2015 01:32 PM - Chad Trabant

- Target version set to 1.1.10

Review for 1.1.10

Need to evaluate the performance impact of resolving hostnames.

Should probably be an option, controllable through the configuration file.

**#3 - 08/19/2015 01:02 AM - P Volcke**

Chad Trabant wrote:

Review for 1.1.10

Need to evaluate the performance impact of resolving hostnames.

Should probably be an option, controllable through the configuration file.

hi Chad,

do agree that resolving hostnames may have serious performance impact. FYI we perform post-analysis of our WSS "dataselect\_usage.log" files, using a caching tool for DNS hostname resolution. Thus, this reported issue [#432](#) is not critical to us.

best,  
Pierre

**#4 - 08/26/2015 08:34 AM - Mike Stults**

- *Target version deleted (1.1.10)*

**#5 - 05/29/2018 09:58 AM - Mike Stults**

- *Resolution set to Won't Fix*

Potentially large negative impact on performance and may also leave some addresses unresolved.