## AWS LS hang

24 April 2024 18:18

## Before starting a remote-ssh

0[] 1[] Mem[]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]]	0.7%]	Tasks: 37, 33 thr; 1 running Load average: 0.00 0.00 0.00 Uptime: 1 day, 19:55:24
After starting a remote-sch liget 8 new processes and a further 58 threads		

After starting a remote-ssh I get 8 new processes and a further 58 threads

bitnar	ni@ip-172-26-15-92:~\$ pgrep -fl vscode
47112	code-e170252f76
47135	sh
47139	node
47290	node
47446	node
47457	node
47488	node
47505	bash

If I then close the remote connection using the "Close Remote Connection" option these processes remain with the exception of "bash", which has gone, and eventually the "code-" process, which I think disappears some 3 minutes later.

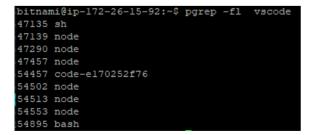
bitnar	ni@ip-172-26-15-92:~\$	pgrep -fl	vscode
47135	sh		
47139	node		
47290	node		
47446	node		
47457	node		
47488	node		

Next I close my VSCode session and wait and watch. At least for the next 15 minutes or so nothing seems to change.

So I open my VSCode remote-ssh session again and this time I see:

bitnar	ni@ip-172-26-15-92:~\$	pgrep	-fl	vscode
47135	sh			
47139	node			
47290	node			
47446	node			
47457	node			
47488	node			
54457	code-e170252f76			
54502	node			
54513	node			
54553	node			
54895	bash	_		

The 6 vestigial processes remain but a new set of 5 processes has appeared. I think now there are 52 threads associated with the original 6 processes and 36 threads with the new 5 processes. After a few minutes this reduces to:



Two of the original processes have gone, though all 5 of the new processes remain. I watch and wait a few minutes more but this seems to be a stable set of processes, so I close the remote-ssh connection. Now I have this:

```
bitnami@ip-172-26-15-92:~$ pgrep -fl vscode
47135 sh
47139 node
47290 node
47457 node
54457 code-e170252f76
54502 node
54513 node
54553 node
```

As before, the bash process has gone and, as before, after 3 mins so has the code- process

bitnar	mi@ip-172-26-15-92:~\$	pgrep	-fl	vscode
47135	sh			
47139	node			
47290	node			
47457	node			
54502	node			
54513	node			
54553	node	_		

I close my VSCode windows.

Now I open a VSCode remote-ssh a third time...

bitna	ni@ip-172-26-15-92:~\$	pgrep	-fl	vscode
47135	sh			
47139	node			
47290	node			
47457	node			
54502	node			
54513	node			
€54553	node			
55432	code-e170252f76			
55455	node			
55473	node			
55486	node			
55516	bash			

After a few more minutes this drops to:

bitnar	ni@ip-172-26-15-92:~\$	pgrep -fl	vscode
47135	sh		
47139	node		
47290	node		
47457	node		
54513	node		
55432	code-e170252f76		
55455	node		
55473	node		
55486	node		
55516	bash	_	

So I now have 3 node processes from my first VSCode session, 1 from my second and 3 from my third.

Taking a close look at the command lines of these 7 node processes I have

```
47139: server-main.js
47290: bootstrap-fork --type=fileWatcher
47457: bootstrap-fork --type=ptyHost
54513: bootstrap-fork --type=fileWatcher
55432: command-shell <...> parent-process-id 55413
55455: bootstrap-fork --type=extensionHost
55473: bootstrap-fork --type=fileWatcher
55486: jsonServerMain ... --clientProcessId=55455
```

I then close remote-ssh

bitnar	ni@ip-172-26-15-92:~\$	pgrep	-fl	vscode
47135	sh			
47139	node			
47290	node			
47457	node			
54513	node			
55432	code-e170252f76			
55455	node			
55473	node			
55486	node			

As before, the bash process has gone and, as before, after 3 mins so has the code- process, leaving:

bitnar	ni@ip-172-26-15-92:~\$	pgrep -fl	vscode
47135	sh		
47139	node		
47290	node		
47457	node		
54513	node		
55455	node		
55473	node		
55486	node	_	

In conclusion it seems that the fileWatcher process, and its 11 threads, are getting created on each remote session but never removed, so that now I have 3 fileWatcher processes and 33 threads.