

Front-end Group - Support #23806

TLG Front end clock drift problems

12/26/2019 12:51 PM - Dennis Nicklaus

Status:	Feedback	Start date:	12/26/2019
Priority:	High	Due date:	
Assignee:	Linden Carmichael	% Done:	0%
Category:	Front-end Issue	Estimated time:	0.00 hour
Target version:			
Description			
Have received reports of the clock drifting on the TLG frontend. Denise told me that Rich did "something" on Dec. 24, but today the problem is persisting. I note that TLG has			
<ul style="list-style-type: none">• <code>Id (1, 1, "vxworks_boot/v6.4/module/mv5500/sntpctod-latest.out");</code> and runs once at startup			
<ul style="list-style-type: none">• <code>todUpdateTime ("fecode-bd")</code> I ran (12:26, 12:30pm) this command, a standard way of requesting periodic clock resets			
<ul style="list-style-type: none">• <code>period 300, todUpdateTime,0</code> If you need to cancel that because it conflicts with Rich's method or whatever, it is just the task named "t1".			
Also, I saw that TLG's startup script is "commented out" from auto-running, in that it is named as <code>.login_tlgx</code> in the boot params, but the real file is named <code>.login_tlg</code> . Is this intentional?			
Related issues:			
Related to TCLK Infrastructure - Bug #23813: System time occasionally jumps a...		Assigned	12/30/2019

History

#1 - 12/30/2019 11:05 AM - Richard Neswold

- Status changed from New to Feedback

I ran (12:26, 12:30pm) this command, a standard way of requesting periodic clock resets

```
period 300, todUpdateTime, 0
```

We were going to do this very thing. TLGTST is running this periodic task and, when Linden gave the go-ahead, I was going to enable it on TLG.

Now **Linden** can see if the operational node is affected by periodic time updates. It should be noted that both **Linden** and I didn't think the system should be sensitive to these updates, but we were being conservative.

It should also be noted that this is a band-aid to the real problem which resides in the IP-UCD driver. This "fix" runs every 5 minutes so the time could be off for up to 5 minutes before getting corrected.

Also, I saw that TLG's startup script is "commented out" from auto-running, in that it is named as `.login_tlgx` in the boot params, but the real file is named `.login_tlg`. Is this intentional?

Yes. **Charlie** did this for some reason. **Linden**, could you append the reason so it's documented?

#2 - 12/30/2019 12:52 PM - Richard Neswold

- Related to Bug #23813: System time occasionally jumps ahead by a second when using IP-UCD added

#3 - 01/14/2020 01:40 PM - Richard Neswold

- Assignee changed from Dennis Nicklaus to Linden Carmichael

Waiting for feedback from Linden before closing.