

Iron Man - Feature #669

Add cron job to retrieve device state in monitor.

23 Aug 2018 17:43 - Hammel

Status: Closed	Start date: 23 Aug 2018
Priority: Immediate	Due date:
Assignee: Hammel	% Done: 100%
Category: Monitor	Estimated time: 0.00 hour
Target version: 0.5.0	
Severity: 03 - Medium	
Description	
I need a tool that causes imrest to retrieve device state and update it's cache. This requires a cron job or C program that is authorized to make that request. That means the API must only allow local connections (loopback). The API just iterates over registered devices, calls their get state API and the updates their cached data.	
Related issues:	
Related to Sensors - Bug # 672: deviceGet() needs to validate request by deco...	Closed 02 Sep 2018

Associated revisions

Revision 92e86f91 - 03 Sep 2018 13:55 - Hammel

RM #669: Add root crontab to Ironman. This just pokes the monitor to retrieve device status once a minute.

Revision 92e86f91 - 03 Sep 2018 13:55 - Hammel

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History

#1 - 27 Aug 2018 14:40 - Hammel

- Status changed from New to In Progress

- % Done changed from 0 to 10

`/usr/sbin/crond` is available in the core platform. However, it is not started at boot time. Also, there is no `/var/spool/cron` directory (there is no `/var/spool`, for that matter).

So:

1. Find or create (likely) an init script for crond
 1. Add it to Ironman's www packaging
2. Create `/var/spool/cron` in `postinst.sh` in core platform.

Then I'm ready to add a cron entry to poll the REST server, eg

```
0-59 * * * * wget http://127.0.0.1:8165/query/devices
```

This needs to go into a file for `root` so the `postinst` script for the `www` package will have to check for the `root` entry. If it's there, check if this entry exists. If it's not there or the entry doesn't exist `append/create` the entry.

#2 - 03 Sep 2018 13:47 - Hammel

- % Done changed from 10 to 30

Added cron init script to core platform Buildroot skeleton tree and pushed upstream. Tested on hardware and it works fine. The init script takes care of creating the required directories if they aren't there.

#3 - 03 Sep 2018 13:59 - Hammel

- Status changed from In Progress to Closed

- % Done changed from 30 to 100

I simplified this just to get it done quickly. I created a root crontab file and added it to the packaging. If I ever need to extend this from another package I'll have to be more clever about iwget <http://127.0.0.1:8165/query/devicest> but for now, this works.

Tested, committed and pushed.

Closing issue. Note that this is just the cron entry. The support for actually doing the state updates is tracked separately.