

FreeNAS - Feature #24172

Add Identify Light button to IPMI

05/25/2017 06:27 AM - Nick Wolff

Status:	Resolved	Estimated time:	0.00 hour
Priority:	Nice to have		
Assignee:	William Grzybowski		
Category:	Middleware		
Target version:	11.1-BETA1		
Severity:	New	Needs Merging:	Yes
Reason for Closing:		Needs Automation:	No
Reason for Blocked:		Support Suite Ticket:	n/a
Needs QA:	No	Hardware Configuration:	
Needs Doc:	Yes		

Description

Most servers with ipmi have identify lights. These are led's embedded in id buttons usually on the front and rear of the server.

It would be useful to expose the ability to toggle these in the webgui for help identifying physical servers. This is especially useful in data centers that may have multiple boxes.

The following command will turn on the light for fifteen seconds

```
ipmitool chassis identify
```

The following command will turn on the light for a user defined amount of seconds

```
ipmitool chassis identify <seconds>
```

The following command will turn on the light indefinitely

```
ipmitool chassis identify force
```

The following command will turn off the id light

```
ipmitool chassis identify 0
```

Theoretically this should be able to be done bidirectionally for ipmi 2.0 systems but it is not currently exposed in ipmitool. I'm looking at writing and submitting a patch upstream to allow this but that's still on my todo list and needs further testing.

Monitoring the status of the id led button is discussed in table 28 under the Get Chassis Status command

<http://www.intel.com/content/dam/www/public/us/en/documents/product-briefs/ipmi-second-gen-interface-spec-v2-rev1-1.pdf>

Associated revisions

Revision 42e4af9e - 07/21/2017 10:27 AM - William Grzybowski

feat(middlewared): add IPMI plugin

Ticket: #24172

Revision 225ed608 - 07/21/2017 10:37 AM - William Grzybowski

feat(middlewared): add ipmi.identify method

Ticket: #24172

Revision 69c0dfef - 07/21/2017 10:38 AM - William Grzybowski

feat(middlewared): add ipmi.is_loaded method

Ticket: #24172

Revision bcd8404d - 07/21/2017 10:46 AM - William Grzybowski

feat(middlewared): add IPMI tests

Ticket: #24172

Revision b5350ac9 - 07/21/2017 05:44 PM - William Grzybowski

feat(middlewared): add IPMI plugin

Ticket: #24172

Revision b78a7232 - 07/21/2017 05:44 PM - William Grzybowski

feat(middlewared): add ipmi.identify method

Ticket: #24172

Revision c93aa6f1 - 07/21/2017 05:44 PM - William Grzybowski

feat(middlewared): add ipmi.is_loaded method

Ticket: #24172

Revision f23b83d4 - 07/21/2017 05:44 PM - William Grzybowski

feat(middlewared): add IPMI tests

Ticket: #24172

Revision ab730e1c - 07/29/2017 05:15 AM - William Grzybowski

feat(gui): add IPMI identify view

Ticket: #24172

Revision 588d11d3 - 07/29/2017 05:15 AM - William Grzybowski

feat(gui): show Identify button and missed identify template

Ticket: #24172

Revision 2273c2dd - 07/29/2017 05:15 AM - William Grzybowski

feat(gui): implement save method for IPMI identify

Ticket: #24172

Revision ed9debfc - 07/31/2017 04:57 AM - William Grzybowski

fix(gui): typo in ipmi identify choices

Ticket: #24172

Revision 75963e74 - 07/31/2017 06:45 AM - William Grzybowski

fix(gui): use choice field

Ticket: #24172

Revision f179a836 - 07/31/2017 11:52 AM - William Grzybowski

fix(gui): typos in ipmi template

Ticket: #24172

Revision 1ca44d98 - 07/31/2017 11:52 AM - William Grzybowski

fix(gui): show message after identifying

Ticket: #24172

Revision 2a1b990f - 07/31/2017 12:00 PM - William Grzybowski

fix(gui): default identify to 15 seconds

Ticket: #24172

Revision 96202ae3 - 08/01/2017 10:45 AM - William Grzybowski

feat(gui): change label of identify button

Ticket: #24172

Revision 56edac5e - 08/03/2017 07:43 PM - William Grzybowski

feat(gui): add IPMI identify view

Ticket: #24172

Revision 8509e0a8 - 08/03/2017 07:43 PM - William Grzybowski

feat(gui): show Identify button and missed identify template

Ticket: #24172

Revision 042127a0 - 08/03/2017 07:43 PM - William Grzybowski

feat(gui): implement save method for IPMI identify

Ticket: #24172

Revision a5285745 - 08/03/2017 07:43 PM - William Grzybowski

fix(gui): typo in ipmi identify choices

Ticket: #24172

Revision ec27429e - 08/03/2017 07:43 PM - William Grzybowski

fix(gui): use choice field

Ticket: #24172

Revision db390b6 - 08/03/2017 07:43 PM - William Grzybowski

fix(gui): typos in ipmi template

Ticket: #24172

Revision 436fe30e - 08/03/2017 07:43 PM - William Grzybowski

fix(gui): show message after identifying

Ticket: #24172

Revision 0b8697a1 - 08/03/2017 07:43 PM - William Grzybowski

fix(gui): default identify to 15 seconds

Ticket: #24172

Revision 387137b2 - 08/03/2017 07:43 PM - William Grzybowski

feat(gui): change label of identify button

Ticket: #24172

Revision 054b8e82 - 10/19/2017 07:42 AM - Dru Lavigne

Doc Identify Light.

Ticket: #24172

History

#1 - 05/25/2017 06:31 AM - William Grzybowski

- Category changed from 2 to 201
- Status changed from Unscreened to Screened
- Priority changed from No priority to Nice to have

#3 - 08/01/2017 11:17 AM - William Grzybowski

- Status changed from Screened to Ready For Release
- Target version changed from 11.2-BETA1 to 11.1

#5 - 09/09/2017 10:24 AM - Dru Lavigne

- Subject changed from Toggle/View IPMI Chassis Identity light in webui to Add IPMI Identity

#6 - 09/11/2017 08:01 PM - Stuart Espey

Subject should be "Identify" not "Identity" right?

#7 - 09/12/2017 04:41 AM - Dru Lavigne

- Subject changed from Add IPMI Identity to Add IPMI Identify

#8 - 09/26/2017 10:04 AM - Dru Lavigne

- Target version changed from 11.1 to 11.1-BETA1

#9 - 10/19/2017 07:44 AM - Dru Lavigne

- Subject changed from Add IPMI Identify to Add Identify Light button to IPMI

#10 - 10/19/2017 12:21 PM - Bonnie Follweiler

- Needs QA changed from Yes to No

- QA Status Test Passes FreeNAS added

- QA Status deleted (Not Tested)

Test passed in FreeNAS-11-MASTER-201710181647

#11 - 10/19/2017 12:42 PM - Bonnie Follweiler

- Needs QA changed from No to Yes

- QA Status Not Tested added

- QA Status deleted (Test Passes FreeNAS)

I have to reconfigure my mini and retest this. I was getting a false positive

#12 - 10/24/2017 04:47 AM - Dru Lavigne

- Status changed from Ready For Release to Resolved

#13 - 11/06/2017 11:50 AM - Bonnie Follweiler

- Needs QA changed from Yes to No

- QA Status Test Passes FreeNAS added

- QA Status deleted (Not Tested)