



Echo360 Capture & Device API  
Version 3.0

Reference Guide

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## 1 Introduction

The Capture API is a set of RESTful API calls that used to communicate with capture devices, including a 1G Capture Appliance, a SafeCapture HD (SCHD) device, an Echo360 PRO device, or a Classroom Capture installation. This communication is used to control or view device operations, and includes the ability to look at system status, retrieve diagnostics, schedule and control captures, among other tasks.

Since the Capture API is used to communicate with devices, it does not matter which platform you are using to provide Echo content to users: the EchoSystem or the Echo360 active learning platform.

Besides a System Administrator manually generating API calls, this API is called by 3 main system 'users':

- **The Ad hoc-Web Interface:** The Ad hoc Web UI is used by a human instructor to log in and perform an ad hoc capture. The Ad hoc interface uses the Capture API to talk to the capture appliance and perform the actions indicated by the instructor through the interface, such as to start a capture when the instructor clicks Start Capture.
- **Room Control Systems:** Room control systems such as Crestron, AMX, and Extron use the Capture API to control the capture device so that the AMX room control panel used by the instructor can display a Capture button, show the next upcoming capture, etc.
- **Classroom Capture Installation:** When the Classroom Capture product is installed in on a classroom PC, the application uses the Capture API to get all of the status information shown in the interface, as well as to control the capture through the interface, as initiated by the instructor when applicable (start, pause, stop, or extend a capture).

## 2 The Basics

Each API call identified in this guide is listed with a title that identifies its function along with a brief description of what the call does. In addition, each call is listed with the following items, designed to show how the call is structured and how to use it.

**Call** – Shows whether the call is a GET or a POST call, and identifies the structure of the call.

- **GET** – Call is made using the HTTP 1.1. GET method. Often, GET calls are used to obtain specifics that can then be used in other calls.
- **POST** – Call is made using the HTTP 1.1 POST method. A “POST” call is usually used to create an object or make some change via the API. For example, the call to create a new capture is a POST call, as is the call to generate a Ping to test network connectivity. POST requests usually require POST data be appended to the request.

**{base-uri}** – A placeholder that represents the DNS Hostname or IP address of the device. Best practice is to include the port number along with the Hostname/IP address. For example: *https://10.3.11.24:8443*.

To find the IP address of a device or Classroom Capture installation, navigate to the ROOMS page in Echo360, then flip the tile for the CCAP device/room to view the back side. There you will find the IP address of the device.

**Request Data** – Where applicable, identifies the data parameters that must be included in the call and provides a brief description of each.

**Example:** Shows a populated example of the API call that has been tested.

**Response XML:** Where possible, the full XML response of the provided Example call is provided as an example of the information returned by a device.

**NOTE:** Where feasible, the Response XML is provided in the main document along with the call that generated it. If the Response XML is much longer than a single page, it is provided in [Appendix: Response XML Examples](#). Where this is the case, a link is provided to the corresponding response in the Appendix, and the response in the Appendix provides a link back to the call in the main document. This is done for ease of navigation and reference.

In addition to the basic API call items listed above, each call is listed with a **CURL Example**, for users using the curl command line tool for calls. The basic syntax of a CURL call is:

```
curl --user $adminlogincreds --insecure --data --url
https://$apiurl/capture/extend
```

Where:

- **\$adminlogincreds** provide the username:password combination needed to authorize the user making the call.
- **\$apiurl** identifies the IP address (and protocol if possible) of the device.

- **--data** precedes the POST data being included with the call, if applicable. These are the parameters defined in the URL encoded payload to be sent through the API. The set of data parameters is typically surrounded by single quotes, to exempt any special characters that may be present in the parameter data.

A fully populated example of a GET method CURL call that does not require request parameters:

```
curl --user admin:password --insecure --url  
https://192.168.61.10:8443/status/system
```

A fully populated example of a POST method CURL call that *does* require request parameters:

```
curl --user admin:password --insecure --data  
'duration=1800&capture_profile id=capture-profile  
id="ProHardwareCapture-Video-Video::High&name=Audio/Dvi-1/Dvi-2 (High  
quality)' --url https://192.168.61.10:8443/capture/new_capture
```

**As a final note**, most of the calls provided in this document can be performed by any user. All of the calls listed in the Status API Calls and Capture API Calls sections of this guide can be performed by any user with login access to the system.

The calls in the Diagnostics API Calls section of this document can only be performed by an Administrator.

### 3 Appliance API Calls

#### 3.1 Device and Capture Status API Calls

The Status API calls are used to return status and capture information for the device. The Status calls in this section are GET only, and are used specifically to retrieve information.

##### 3.1.1 Get System Status

Returns the current status of the device.

**Call:** GET {base-uri}/status/system

**Example:** https://10.3.11.24:8443/status/system

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/status/system

The Response XML includes the information outlined in the below table. An example is provided below the table.

Device Tags	
<b>wall-clock-time</b>	GMT Time string from the device
<b>api-versions</b>	API Version number of the client being communicated with. The current Capture API is version 3.0.
<b>capture-profiles</b>	The capture profiles able to be captured by the device. These are descriptive text strings that can be used in calls that require capture profile information, such as <a href="#">Create New Capture</a> . Capture Profiles appear in the WebUI as a dropdown box for the user to select what type of ad hoc capture to run.
<b>monitor-profiles</b>	The capture inputs that can be provided for device monitoring.
<b>host-address</b>	Name of the host.
<b>serial-number</b>	The MAC address of the device (a unique identifier).
<b>system-version</b>	Version string of the client software on the device.
<b>up-since</b>	GMT Date/Time when the device was last started.
<b>last-sync</b>	GMT Date/Time when the device last contacted Echo360.
Content Tags	
<b>state</b>	State of the current transfer: active, idle, or error.
<b>archive-space-usage</b>	Percentage of the allocated space on the device currently being used for saved data.

<b>uploaded</b>	Number of items that have been uploaded since the "up-since" time noted in the Device tags above.
<b>uploads-pending</b>	Number of items waiting to be uploaded from the device.
<b>bytes-pending</b>	Number of bytes of data waiting to be uploaded from the device.
<b>uploading</b>	Is either true or false. If <b>true</b> , the upload block is populated with the tags described immediately below. If <b>false</b> , the below tags do not appear.
<b>upload/bytes-per-second</b>	Bytes per second of the current file transfer.
<b>upload/filename</b>	Filename of the file currently being uploaded.
<b>upload/start-time</b>	GMT start time of the current file upload.
<b>Log Tags</b>	
<b>utc-offset</b>	Returns the offset in seconds between the time zone of current time and the UTC.
<b>location</b>	String identifying the room to which the device has been assigned.

**Response XML:**

```

<status>
  <wall-clock-time>2016-03-18T13:26:47.447Z</wall-clock-time>
  <api-versions>
    <api-version>3.0</api-version>
  </api-versions>
  <max-capture-duration-minutes>240</max-capture-duration-
minutes>
  <max-live-capture-extend-duration-minutes>240</max-live-
capture-extend-duration-minutes>
  <server-properties>
<server-type>alp</server-type>
</server-properties>
  <capture-profiles>
<capture-profile>Audio (High quality)</capture-profile>
<capture-profile>Audio (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (High quality)</capture-
profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (Medium quality)</capture-
profile>
<capture-profile>Audio/HDMI-2 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-2 (Medium quality)</capture-profile>

```



```

</capture-profiles>
<monitor-profiles>
<monitor-profile>Audio/HDMI-1/HDMI-2 (High quality)</monitor-
profile>
</monitor-profiles>
<host-address>echo004026</host-address>
<serial-number>00-1C-08-00-40-26</serial-number>
<system-version>5.5.557532331</system-version>
<up-since>2016-03-18T08:33:09.254Z</up-since>
<last-sync>2016-03-18T13:26:46.061Z</last-sync>
<content>
<state>idle</state>
<archive-space-usage />
<uploaded>0</uploaded>
<uploads-pending>0</uploads-pending>
<bytes-pending>0</bytes-pending>
<uploading>>false</uploading>
</content>
<log>
<state>idle</state>
<archive-space-usage>98.0</archive-space-usage>
<uploaded>59</uploaded>
<uploads-pending>0</uploads-pending>
<bytes-pending>77824</bytes-pending>
<uploading>>false</uploading>
</log>
<location>Echo360 Pro Campus: Echo360 Pro Building - Echo360Pro
Room - ALP Team</location>
<utc-offset>-240</utc-offset>
</status>

```

### 3.1.2 Get Capture Status

Returns information on the status of both the next and the current capture.

**Call:** GET {base-uri}/status/captures

**Example:** <https://10.3.11.24:8443/status/captures>

**CURL Example:** curl --user admin:password -insecure --url  
<https://192.168.61.10:8443/status/captures>

**Response XML:** The below table lists and describes the tags included in the Response received from the device.

See [Get Capture Status Response XML](#) in the Appendix of this document for an example XML response for this call.

Device Tags	
<b>wall-clock-time</b>	GMT Time string from the device
<b>api-versions</b>	API Version number of the client being communicated with. The current Capture API is version 3.0.
<b>capture-profiles</b>	The capture profiles able to be captured by the device. These are descriptive text strings that can be used in calls that require capture profile information, such as <a href="#">Create New Capture</a> . Capture Profiles appear in the WebUI as a dropdown box for the user to select what type of adhoc capture to run.
<b>next</b>	A capture data block describing the next scheduled capture (if any), including the information shown for the Capture Tags described below.
<b>current</b>	A capture data block describing the currently running capture (if any), including the information shown for the Capture Tags described below.
Capture Tags	
<b>type</b>	Type of capture.
<b>start-time</b>	GMT Time/Date string for when the capture started or is scheduled to start.
<b>duration</b>	Number of seconds for which the capture is configured to run.
<b>title</b>	The title of the course being captured.
<b>section</b>	The section being captured, showing both the GUID and the Section Name.
<b>presenters</b>	List of presenters for the section, including both the name and GUID or Alternate ID for each presenter.
<b>capture-profile id</b>	The GUID (unique identifier) for the capture profile configured for this capture.
<b>name</b>	The plain text name of the capture profile configured for this capture. The Product Tags shown below identify the specific information about this capture profile inputs.

Product Tags	
<b>source name / type</b>	Identifies each of the capture input sources for the capture profile being used for the capture. Each source section provides information about each, as identified in the below entries.
<b>audio</b>	Identifies the below parameters as audio settings
<b>-- source name</b>	Name given to the source input.
<b>-- input</b>	Configuration of the input (e.g., balanced)
<b>-- mode</b>	Channel mode of input: stereo or mono
<b>-- analog-gain</b>	Setting of the analog gain input
<b>-- samplerate</b>	The number of samples of audio carried per second
<b>-- gain</b>	Gain setting of the input
<b>-- agc</b>	Whether or not automatic gain control is set: true or false.
<b>display</b>	Identifies the below parameters as display settings
<b>-- source name</b>	Name given to the source input.
<b>-- channel</b>	The input channel for this source
<b>-- input</b>	The input method for the source (i.e., dvi or composite)
<b>-- brightness</b>	Brightness setting for the source input
<b>-- contrast</b>	Contrast setting for the source input
<b>-- saturation</b>	Saturation setting for the source input
<b>-- framerate</b>	Framerate setting for the source input
<b>-- width</b>	Width setting of the display resolution
<b>-- height</b>	Height setting of the display resolution
<b>-- fix-aspect-ratio</b>	Whether the aspect ratio of the display input is fixed (true or false)
<b>-- is-display</b>	Identifies whether the input is display or not. Shows <b>true</b> if the source is from a display (as from a computer screen); shows <b>false</b> if the source is video input.
<b>video</b>	Identifies the below parameters as video settings
<b>-- source name</b>	Name given to the source input.
<b>-- channel</b>	The input channel for this source
<b>-- input</b>	The input method for the source (i.e., dvi or composite)

<b>-- brightness</b>	Brightness setting for the source input
<b>-- contrast</b>	Contrast setting for the source input
<b>-- saturation</b>	Saturation setting for the source input
<b>-- framerate</b>	Framerate setting for the source input
<b>-- width</b>	Width setting of the display resolution
<b>-- height</b>	Height setting of the display resolution
<b>-- fix-aspect-ratio</b>	Whether the aspect ratio of the display input is fixed (true or false)
<b>-- is-display</b>	Identifies whether the input is display or not. Shows <b>false</b> if the source is from a video input; shows <b>true</b> if the source is from a display.
<b>-- standard</b>	Identifies the video standard being used for the input, either NTSC or PAL.
<b>Transformation to Output Tags</b>	
<b>transform name / type</b>	Identifies the name and type given to the output stream being generated.
<b>input</b>	Identifies which source input this transformed output is being generated for.
<b>codec</b>	The type of encoding being used for this output.
<b>encode-on-host</b>	Whether the encoding is being done on the host device.
<b>codec-parameters</b>	Identifies the below tags as the parameters for the encoding for this output. Some/All of the below tags may appear, depending on the type of output file being generated (based on input type).
<b>-- bitrate-control</b>	Identifies the control mechanism being used for bitrate settings.
<b>-- bitrate</b>	Identifies the bitrate for the output file
<b>-- max-bitrate</b>	Identifies the maximum possible bitrate for the output file.
<b>-- profile</b>	The codec profile being used for the transformed output, i.e., 1c for audio or base for video.
<b>-- frames-per-keyframe</b>	Number of frames per interval for the output.
<b>sink-name</b>	Identifies the final output being created for each transformed input, including the tag information below.

<b>-- input</b>	The transform name being used to generate this final output file.
<b>-- output &lt;type&gt;</b>	The type of item being generated as output.
<b>-- output &lt;filename&gt;</b>	The actual filename of the output file being generated for this transformed input stream.

### 3.1.3 Get Next Capture Status

Returns information on the status of only the next capture.

**Call:** GET {base-uri}/status/next\_capture

**Example:** https://10.3.11.24:8443/status/next\_captures

**CURL Example:** curl --user admin:password -insecure --url https://192.168.61.10:8443/status/next\_capture

**Response XML:** Refer to the tags defined in the table in [section 3.1.2 above](#) for details on the information returned for this call.

For an example XML response for this call, see [Get Next Capture Status Response XML](#) in the Appendix of this document.

### 3.1.4 Get Current Capture Status

Returns information on the status of only the current capture.

**Call:** GET {base-uri}/status/current\_capture

**Example:** https://10.3.11.24:8443/status/current\_capture

**CURL Example:** curl --user admin:password -insecure --url https://192.168.61.10:8443/status/current\_capture

**Response XML:** Refer to the tags defined in the table in [section 3.1.2 above](#) for details on the information returned for this call.

For an example XML response for this call, see [Get Current Capture Status Response XML](#) in the Appendix of this document.

### 3.1.5 Get Capture Status with Monitoring Information

Returns real-time monitoring information on the current capture. This call is useful for returning the filename for a thumbnail (display or video) to use in the [Show Current Video or Display View](#) API call described in [section 3.1.6 below](#).

**Call:** GET {base-uri}/status/monitoring

**Example:** https://10.3.11.24:8443/status/monitoring

**CURL Example:** curl --user admin:password -insecure --url https://192.168.61.10:8443/status/monitoring

The Response XML includes the information outlined in the below table. An example is provided below the table.

Capture Status Tags	
<b>state</b>	State of the current capture, e.g., active or pending.
<b>start-time</b>	GMT Time/Date string for when the capture started or is scheduled to start.
<b>duration</b>	Number of seconds for which the capture is configured to run.
<b>output-type</b>	The type of output being generated for this capture. This indicates if the output is to be streamed live, generates a capture, or both.
Source Tags	
<b>class</b>	Identifies the source input to which the subsequent parameters apply (audio, video, vga, etc.). These tags are described below and some/all of these tags appear, depending on the class identified.
<b>subclass</b>	Subclass of the class/source identified (e.g., pcm, display, video).
<b>name</b>	Name of the input stream of the class/source.
<b>signal-present</b>	Boolean value identifying if there is a signal present during capture (true or false)
<b>thumbnail</b>	The file name of the thumbnail image of the capture input (display or video). This is the filename that can be used in the <a href="#">Show Current Video or Display View</a> API call described in <a href="#">section 3.1.6 below</a> .
<b>format</b>	Format of the source.
<b>channels</b>	Audio channel information including: <ul style="list-style-type: none"> <li>• <b>position:</b> audio position (right or left)</li> <li>• <b>average:</b> average audio level</li> <li>• <b>peak:</b> peak audio level.</li> </ul>
<b>confidence-monitoring</b>	Whether the capture input is being monitored: true or false.

**Response XML:**

```
<status>
```

```

<state>active</state>
<start-time>2014-02-12T15:33:12.000Z</start-time>
<duration>900</duration>
<output-type>archive</output-type>
  <sources>
<source>
<class>audio</class>
<subclass>pcm</subclass>
<name>audio-stream0</name>
<signal-present>>false</signal-present>
<format>pcm</format>
<supported>>true</supported>
<channels>
<channel>
<position>left</position>
<average>1</average>
<peak>5</peak>
</channel>
<channel>
<position>right</position>
<average>1</average>
<peak>5</peak>
</channel>
</channels>
</source>
<source>
<class>vga</class>
<subclass>display</subclass>
<name>graphics-channel1-stream0</name>
<signal-present>>false</signal-present>
<thumbnail>vga display graphics-channel1-stream0.jpg</thumbnail>
</source>
<source>
<class>video</class>
<subclass>ntsc</subclass>
<name>graphics-channel2-stream0</name>
<signal-present>>false</signal-present>
<thumbnail>video ntsc graphics-channel2-stream0.jpg</thumbnail>
</source>
  </sources>
  <confidence-monitoring>>true</confidence-monitoring>
</status>

```

### 3.1.6 Show Current Video or Display View

Returns a snapshot image of the video or display input for the current capture. This is an image of what the Video input or Display input for the current capture is at the moment the call is made.

Use the filename information returned from the [Get Capture Status](#) call described in [section 3.1.5](#) immediately above.

**Request:** Provide data for each of the parameters described in the below table.

Parameter	Description
duration	How long, in seconds, the capture is to be.
capture_profile_name	The capture profile name output to be used for the capture. The options available for the device can be obtained from the <capture-profiles> returned using the <a href="#">Get System Status</a> call described in <a href="#">section 3.1.1</a> of this document.
description	A string that provides a name for the capture.

**Call:**

- **Video:** GET {base-uri}/monitoring/{filename-of-Video-Snapshot.jpg}
- **Display:** GET {base-uri}/monitoring/{filename-of-Display-Snapshot.jpg}

**Example:** https://10.3.11.24:8443/monitoring video\_ntsc\_graphics-channel2-stream0.jpg

**CURL Examples:**

- **Video:** curl --user admin:password --insecure --data 'duration=900&capture\_profile\_name=Display/Video (Podcast/Vodcast/EchoPlayer). Optimized for quality/full motion video&description=test-description' --url https://192.168.61.10:8443/monitoring/video\_ntsc\_graphics-channel2-stream0.jpg
- **Display:** curl --user admin:password --insecure --data 'duration=900&capture\_profile\_name=Display/Video (Podcast/Vodcast/EchoPlayer). Optimized for quality/full motion video&description=test-description' --url https://192.168.61.10:8443/monitoring/vga\_display\_graphics-channel1-stream0.jpg

**Response:** Returns the image captured from the video or display input, depending on which call was made.

### 3.1.7 Get User Sections

Returns a list of the sections assigned to the user whose credentials (username and password) are sent with the API call. Response includes both Section Name and GUID along with the capture profile configured for each section.

**Call:** GET {base-uri}/status/get\_user\_sections

**Example:** https://10.3.11.24:8443/status/get\_user\_sections

**CURL Example:** curl --user instructor:password --insecure --url https://192.168.61.10:8443/status/get\_user\_sections

**Response XML:**

```
<sections>
  <section ref="ec7a622a-da43-4a31-897f-841ea192f63d">
```



```
<name>Underwater Basket Weaving 101 (UWBW-101-100) Spring
2014</name>
  <capture-profile ref="74156b84-8edb-4016-a597-
35abc0c1c486">Display Only (Podcast/Vodcast/EchoPlayer). Balanced
between file size &#038; quality</capture-profile>
  <products /> </section>
</sections>
```

### 3.1.8 Get Authenticated User Reference ID

Returns the user reference ID (GUID) of the user whose credentials (username and password) are sent with the API call.

**Call:** GET {base-uri}/status/get\_user\_ref

**Example:** https://10.3.11.24:8443/status/get\_user\_ref

**CURL Example:** curl --user admin:password --insecure --url  
https://192.168.61.10:8443/status/get\_user\_ref

**Response XML:**

```
<authenticated-user-ref>9d56966e-3b39-4e26-b0f4-
58bebc3ec4de</authenticated-user-ref>
```

## 3.2 Diagnostics API Calls

The API calls identified below retrieve and perform diagnostic and maintenance duties for the capture device identified in the call. This section includes log retrieval calls.

The API calls in this section can only be performed by an Administrator.

### 3.2.1 Clear User Cache

Clears the user cache on the device. This call is used most often when an accessing-user's password has changed, and the stored authentication for the user needs to be cleared from the device.

**Background:** Generally speaking, most Capture API calls can be performed by either "local users", such as an admin or instructor, or system users, such as capture devices. When a user accesses any of the capture API calls, the user is authenticated against Echo360. The API sends the credentials to Echo360, which responds to the API indicating authentication (or failure) for the user. This process can take some time, so it is not done for every call. Instead, whenever successful user authentication occurs, the API caches the user credentials and validates against that, speeding up response time. However, if an administrator changes a user's password, deletes an account or a device, or other similar action, the Capture API has no way of knowing. In this instance, the admin can either, reset/power cycle the capture device, or use this API call to force clear the cache.

**Call:** POST {base-uri}/diagnostics/clear\_cache

**Example:** https://10.3.11.24:8443/diagnostics/clear\_cache

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/clear\_cache

**Response:**

```
User Cache Cleared Successfully.
```

### 3.2.2 Ping Host Connectivity

Test the connectivity of a host or an IP using the ping utility.

**Call:** POST {base-uri}/diagnostics/ping/www.google.com

**Example:** https://10.3.11.24:8443/diagnostics/ping/www.google.com

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/ping/www.google.com

**Response:**

```
Ping successful: www.google.com
```

### 3.2.3 Trace Route Path and Time

Returns the route path and transit time of a host on an IP.

**Call:** POST {base-uri}/diagnostics/traceroute/www.google.com

**Example:** https://10.3.11.24:8443/diagnostics/traceroute/www.google.com

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/traceroute/www.google.com

**Response:**

```
traceroute to www.google.com (74.125.228.83), 30 hops max, 60
byte packets<br/> 1 pfsense.echo360.local (192.168.60.1) 0.089
ms<br/> 2 10.3.10.1 (10.3.10.1) 0.833 ms<br/> 3 74.10.95.1
(74.10.95.1) 3.005 ms<br/> 4 205.232.184.113 (205.232.184.113)
3.108 ms<br/> 5 ge-0-0-0-1-12.tycrva03h00cr01.paetec.net
(169.130.97.8) 6.002 ms<br/> 6 so-1-0-
1.asbnvacyh43ig02.paetec.net (169.130.80.37) 91.006 ms<br/> 7
ge-5-0-0.asbnvacyh43ig02.paetec.net (209.252.156.18) 3.193
ms<br/> 8 eqixva-google-gige.google.com (206.126.236.21) 4.374
ms<br/> 9 209.85.252.46 (209.85.252.46) 5.911 ms<br/>10
72.14.238.247 (72.14.238.247) 6.345 ms<br/>11 iad23s07-in-
f19.1e100.net (74.125.228.83) 6.058 ms<br/>
```

### 3.2.4 Restart Appliance Executables

Restarts all of the appliance executables.

**Call:** POST {base-uri}/diagnostics/restart\_all

**Example:** https://10.3.11.24:8443/diagnostics/restart\_all

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/restart\_all

**Response:**

```
Restarting appliance executables...
```

### 3.2.5 Reboot Appliance

Performs a soft reboot of the appliance.

**Call:** POST {base-uri}/diagnostics/reboot

**Example:** https://10.3.11.24:8443/diagnostics/reboot

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/reboot

**Response:**

```
Rebooting appliance ...
```

### 3.2.6 Get Appliance Network Configuration

Returns the network configuration for the appliance.

**Call:** GET {base-uri}/diagnostics/system-info/ifconfig

**Example:** https://10.3.11.24:8443/diagnostics/system-info/ifconfig

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/system-info/ifconfig

**Response:**

```
<pre>eth0      Link encap:Ethernet  HWaddr 00:1c:08:00:14:04
          inet addr:192.168.61.10  Bcast:192.168.63.255
Mask:255.255.252.0
          inet6 addr: fe80::21c:8ff:fe00:1404/64 Scope:Link
          UP BROADCAST RUNNING MULTICAST  MTU:1500  Metric:1
          RX packets:5672 errors:0 dropped:0 overruns:0 frame:0
          TX packets:5698 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:914158 (892.7 KiB)  TX bytes:1240932 (1.1 MiB)
          Interrupt:19 Base address:0xa000

lo        Link encap:Local Loopback
          inet addr:127.0.0.1  Mask:255.0.0.0
          inet6 addr: ::1/128 Scope:Host
          UP LOOPBACK RUNNING  MTU:16436  Metric:1
          RX packets:558 errors:0 dropped:0 overruns:0 frame:0
          TX packets:558 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:0
          RX bytes:80582 (78.6 KiB)  TX bytes:80582 (78.6 KiB)
```

```
tun0      Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-
00-00-00-00-00-00-00
          inet addr:172.25.10.10  P-t-P:172.25.11.11
Mask:255.255.255.255
          UP POINTOPOINT RUNNING NOARP MULTICAST  MTU:1500
Metric:1
          RX packets:14 errors:0 dropped:0 overruns:0 frame:0
          TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:500
          RX bytes:1264 (1.2 KiB)  TX bytes:1680 (1.6 KiB)

tun1      Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-
00-00-00-00-00-00-00
          inet addr:172.25.20.20  P-t-P:172.25.22.22
Mask:255.255.255.255
          UP POINTOPOINT RUNNING NOARP MULTICAST  MTU:1500
Metric:1
          RX packets:14 errors:0 dropped:0 overruns:0 frame:0
          TX packets:18 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:500
          RX bytes:1264 (1.2 KiB)  TX bytes:1680 (1.6 KiB)

</pre>
```

### 3.2.7 Get Appliance Tasks

Returns the current tasks file for the appliance. The task file is basically a list of the currently scheduled captures (tasks) for the device.

**Call:** GET {base-uri}/diagnostics/system-info/tasks

**Example:** https://10.3.11.24:8443/diagnostics/system-info/tasks

**CURL Example:** curl --user admin:password --insecure --url  
https://192.168.61.10:8443/diagnostics/system-info/tasks

**Response XML:** For an example XML response for this call, see [Get Appliance Tasks Response XML](#) in the Appendix of this document.

### 3.2.8 Get Device Configuration File

Returns the contents of the device XML file for the appliance.

**Call:** GET {base-uri}/diagnostics/system-info/device

**Example:** https://10.3.11.24:8443/diagnostics/system-info/device

**CURL Example:** curl --user admin:password --insecure --url  
https://192.168.61.10:8443/diagnostics/system-info/device

**Response XML:** For an example XML response for this call, see [Get Device Configuration File Response XML](#) in the Appendix of this document.

### 3.2.9 Get Device Processes

Returns a list of the processes currently running on the appliance.

**Call:** GET {base-uri}/diagnostics/system-info/top

**Example:** https://10.3.11.24:8443/diagnostics/system-info/top

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/system-info/top

**Response XML:** For an example XML response for this call, see [Get Device Processes Response XML](#) in the Appendix of this document.

### 3.2.10 Get Device Message Buffer

Returns the message buffer of the appliance kernel.

**Call:** GET {base-uri}/diagnostics/system-info/dmesg

**Example:** https://10.3.11.24:8443/diagnostics/system-info/dmesg

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/system-info/dmesg

**Response:** For an example XML response for this call, see [Get Device Message Buffer Response XML](#) in the Appendix of this document.

### 3.2.11 Get Saved Content on the Device

Returns a list of all saved content on the device. Can be used to determine if recovery of a capture is necessary, and if so, to obtain the capture ID of the capture to be re-uploaded.

**Call:** GET {base-uri}/diagnostics/recovery/saved-content

**Example:** https://10.3.11.24:8443/diagnostics/recovery/saved-content

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/recovery/saved-content

**Response XML:**

```
<captures>
  <capture version="1.0" id="0797b8dd-4c2d-415a-adf9-
  daf7f10e1759">
    <title>Underwater Basket Weaving 101 (UWBW-101-100) Spring
    2014</title>
    <start-time>2014-02-12T15:30:00.000Z</start-time>
    <duration>3000</duration>
    <section ref="ec7a622a-da43-4a31-897f-841ea192f63d">Underwater
    Basket Weaving 101 (UWBW-101-100) Spring 2014</section>
    <capture-profile ref="74156b84-8edb-4016-a597-35abc0c1c486" />
    <presenters>
      <presenter ref="9d56966e-3b39-4e26-b0f4-58bebc3ec4de">John
      Doe</presenter>
    </presenters>
  </capture>
</captures>
```

```
<device ref="00-1c-08-00-14-04" />
</capture></captures>
```

### 3.2.12 Re-Upload Content from the Device

Reuploads saved content from the device. Use the capture ID returned from the [Get Saved Content on the Device](#) call identified in [section 3.2.11 above](#) to identify the capture to upload and obtain the capture ID.

**Call:** POST {base-uri}/diagnostics/{capture-id}/upload

**Example:** https://10.3.11.24:8443/diagnostics/{capture-id}/upload

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/diagnostics/recovery/0797b8dd-4c2d-415a-adf9-daf7f10e1759/upload

**Response:**

```
<HTML><HEAD><TITLE>200 OK</TITLE></HEAD><BODY><H4>200 OK</H4>
Successfully moved 0797b8dd-4c2d-415a-adf9-daf7f10e1759
</BODY></HTML>
```

### 3.2.13 Retrieve the Last X Number of Log Messages

Returns the last x number of log messages specified in the call.

**Call:** GET {base-uri}/log-list-last-count/{#}

**Example:** https://10.3.11.24:8443/log-list-last-count/3

**CURL Example:** curl --user admin:password --insecure --url https://192.168.61.10:8443/log-list-last-count/3

**Response:**

```
<log-entries>
  <log-entry>
  <![CDATA[ch2: Composite='none idle' DVI='none idle'
VGA='none idle'
level: Stats
message: "Channel 2: Composite='none idle' DVI='none idle'
VGA='none idle'"
pid: 23106
service: SystemStatus
source-file: src/SystemStatusService.cpp:335
type: SystemStatusService
version: 5.5.558149484
when: 2015-10-05T15:24:53.493Z
who: echo001404
]]>
</log-entry>
  <log-entry>
```

```

<![CDATA[ch1: Composite='none idle' DVI='none idle'
VGA='none idle'
level: Stats
message: "Channel 1: Composite='none idle' DVI='none idle'
VGA='none idle'"
pid: 23106
service: SystemStatus
source-file: src/SystemStatusService.cpp:332
type: "SystemStatusService: "
version: 5.5.558149484
when: 2015-10-05T15:24:53.493Z
who: echo001404
]]>
</log-entry>
  <log-entry>
<![CDATA[level: Stats
message: "Temperature: Congatec Board: 46.0 C"
pid: 23106
service: SystemStatus
source-file: src/SystemStatusService.cpp:251
temp: 46.0
type: SystemTemperature
version: 5.5.558149484
when: 2015-10-05T15:24:53.493Z
who: echo001404
]]>
</log-entry>
</log-entries>

```

### 3.3 Capture Control API Calls

The API calls described below are used to create and manipulate captures performed by the capture device identified in the call.

#### 3.3.1 Create New Capture

Creates and starts a new ad-hoc capture using the parameters described in the table below. All parameters must be defined.

**Call:** POST {base-uri}/capture/new\_capture

**Http Request header:** Content-Type=application/xml

**Request:** Provide data for each of the parameters described in the below table.

Parameter	Description
duration	How long, in seconds, the capture is to be.
capture_profile_name	The capture profile name output to be used for the capture. The options available for the device can be obtained from the <capture-profiles> returned using the <a href="#">Get System Status</a> call described in <a href="#">section 3.1.1</a> of this document.
description	A string that provides a name for the capture.

**CURL Example:** curl --user admin:password --insecure --data 'duration=300&capture\_profile\_name=Display/Video (Podcast/Vodcast/EchoPlayer). Optimized for quality/full motion video&description=test-description' --url https://192.168.61.10:8443/capture/new\_capture

**Response:**

```
<ok text="Capture scheduled for start" />
```

### 3.3.2 Create “Confidence Monitor” Capture

Creates and starts a new ad-hoc “confidence monitor” capture, providing monitoring of the capture. All parameters, described in the below table, must be defined.

A confidence monitor is a dummy capture that does not get uploaded, saved or archived in any way. In all other regards, this call functions the same as a “new\_capture” call described immediately above.

If you want to confirm a real capture will work, use the [Show Current Video or Display View](#) call described in [section 3.1.6 above](#).

**Call:** POST {base-uri}/capture/confidence\_monitor

**Http Request header:** Content-Type=application/xml

**Request:** Provide data for each of the parameters described in the below table.

Parameter	Description
duration	How long, in seconds, the capture is to be.
capture_profile_name	The capture profile name output to be used for the capture. The options available for the device can be obtained from the <capture-profiles> returned using the <a href="#">Get System Status</a> call described in <a href="#">section 3.1.1</a> of this document.
description	A string that provides a name for the capture.

**CURL Example:** curl --user admin:password --insecure --data 'duration=900&capture\_profile\_name=Display/Video (Podcast/Vodcast/EchoPlayer). Optimized for quality/full motion video&description=test-description' --url https://192.168.61.10:8443/capture/confidence\_monitor



**Response:**

```
<ok text="Capture scheduled for start" />
```

### 3.3.3 Extend a Capture

Sends a command to extend the current capture by the amount of time, in seconds, provided in the *duration* parameter. Captures cannot be extended past the start time of the next scheduled capture.

If the capture cannot be extended for the duration identified, the capture will be extended as far as possible within the given schedule constraints.

**Call:** POST {base-uri}/capture/extend

**Http Request header:** Content-Type=application/xml

**Request:** Provide duration of extension in number of seconds. For example, *duration=600* extends the capture by 10 minutes.

**CURL Example:** curl --user admin:password --insecure --data 'duration=600' --url https://192.168.61.10:8443/capture/extend

**Response:**

```
<ok text="Extend by 600 seconds received" />
```

### 3.3.4 Pause a Capture

Sends a command to pause the current recording. There must be a running capture in the recording state for this command to have any effect.

**Call:** POST {base-uri}/capture/pause

**CURL Example:** curl --user admin:password --insecure --data "" --url https://192.168.61.10:8443/capture/pause

**Response:**

```
<ok text="Command (pause) submitted" />
```

### 3.3.5 Start or Resume a Capture

Sends a command to start recording. This command only works under following two conditions:

- There is a running capture that is currently paused. This command resumes the paused capture.
- There is a scheduled capture in the "waiting" or pre-roll state. This command allows you to start the scheduled recording early/immediately.

**Call:** POST {base-uri}/capture/record

**CURL Example:** curl --user admin:password --insecure --data "" --url https://192.168.61.10:8443/capture/record

**Response:**

```
<ok text="Command (record) submitted" />
```

### 3.3.6 Stop a Capture

Sends the command to stop recording. There must be a currently recording capture for this command to have any effect. NOTE that captures are processed and uploaded immediately upon stopping the capture.

**Call:** POST {base-uri}/capture/stop

**CURL Example:** curl --user admin:password --insecure --data " --url https://192.168.61.10:8443/capture/stop

**Response:**

```
<ok text="Command (stop) submitted" />
```

## Appendix: Response XML Examples

The Response XML from calls in this document that are too long to include in the main part of the text are contained here in this appendix. Each section contains a cross-reference link to the corresponding Response XML listed here.

### Get Capture Status Response XML

The below is the Response XML from the call defined in [section 3.1.2 - Get Capture Status](#) of this document.

```

<status>
  <wall-clock-time>2016-03-18T13:27:25.541Z</wall-clock-time>
  <api-versions>
    <api-version>3.0</api-version>
  </api-versions>
  <max-capture-duration-minutes>240</max-capture-duration-
minutes>
  <max-live-capture-extend-duration-minutes>240</max-live-
capture-extend-duration-minutes>
  <server-properties>
<server-type>alp</server-type>
</server-properties>
  <capture-profiles>
<capture-profile>Audio (High quality)</capture-profile>
<capture-profile>Audio (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (High quality)</capture-
profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (Medium quality)</capture-
profile>
<capture-profile>Audio/HDMI-2 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-2 (Medium quality)</capture-profile>
  </capture-profiles>
  <monitor-profiles>
<monitor-profile>Audio/HDMI-1/HDMI-2 (High quality)</monitor-
profile>
  </monitor-profiles>
<next>

  <type>media</type>
  <start-time>2016-03-18T19:00:00.000Z</start-time>
  <duration>1800</duration>

<parameters>
  <title>Scheduled Classes</title>
  <section ref="aelef9e7-7f59-4352-bfde-
a52badd31f7b">American Lit: 1800-1900 (ENG-300-AMLIT-TuTh) Winter
2015-2016</section>

```

```

    <presenters>
      <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
    </presenters>
    <capture-profile id="ProHardwareCapture2-Display-
::High">
      <name>Audio/HDMI-1 (High quality)</name>
      <output-type>archive</output-type>
      <products>
        <product>
          <source name="audio" type="audio">
            <input>rca</input>
            <mode>stereo</mode>
            <analog-gain>0</analog-gain>
            <gain>0</gain>
            <agc>>false</agc>
            <samplerate>48000</samplerate>
          </source>
          <add ch1 digital audio>true</add ch1 digital audio>
          <source name="graphics1" type="graphics">
            <channel>1</channel>
            <input>hdmi</input>
            <brightness>50</brightness>
            <contrast>50</contrast>
            <saturation>50</saturation>
            <framerate>25.0</framerate>
            <width>1280</width>
            <height>720</height>
            <is-display>true</is-display>
          </source>
          <transform name="audio-archive" type="encoder">
            <input>audio</input>
            <codec>aac</codec>
            <encode-on-host>true</encode-on-host>
            <codec-parameters>
              <bitrate>128000</bitrate>
              <profile>lc</profile>
            </codec-parameters>
          </transform>
          <transform name="graphics1-archive"
type="encoder">
            <input>graphics1</input>
            <codec>h264</codec>
            <codec-parameters>
              <bitrate-control>vbr</bitrate-control>
              <bitrate>2360000</bitrate>
              <max-bitrate>3540000</max-bitrate>
              <profile>base</profile>
              <frames-per-keyframe>125</frames-per-
keyframe>

```

```

    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>
      <type>file</type>
      <filename>graphics1-display-
primary.h264</filename>
    </output>
  </sink>
</product>
</products>
</capture-profile>
</parameters>
</next><current>
  <schedule>
</schedule>

</current>
</status>

```

## Get Next Capture Status Response XML

The below is the Response XML from the call defined in [section 3.1.3 - Get Next Capture Status](#) of this document.

```

<status>
  <wall-clock-time>2016-03-18T13:19:12.862Z</wall-clock-time>
  <api-versions>
    <api-version>3.0</api-version>
  </api-versions>
  <max-capture-duration-minutes>240</max-capture-duration-
minutes>
  <max-live-capture-extend-duration-minutes>15</max-live-
capture-extend-duration-minutes>
  <server-properties>
<server-type>alp</server-type>
</server-properties>
  <capture-profiles>
<capture-profile>Audio (High quality)</capture-profile>
<capture-profile>Audio (Medium quality)</capture-profile>
<capture-profile>Audio/Composite-1 (High quality)</capture-
profile>

```

```

<capture-profile>Audio/Composite-1 (Medium quality)</capture-
profile>
<capture-profile>Audio/Composite-1/Composite-2 (High
quality)</capture-profile>
<capture-profile>Audio/Composite-1/Composite-2 (Medium
quality)</capture-profile>
<capture-profile>Audio/Composite-1/Dvi-2 (High quality)</capture-
profile>
<capture-profile>Audio/Composite-1/Dvi-2 (Medium
quality)</capture-profile>
<capture-profile>Audio/Composite-2 (High quality)</capture-
profile>
<capture-profile>Audio/Composite-2 (Medium quality)</capture-
profile>
<capture-profile>Audio/Dvi-1 (High quality)</capture-profile>
<capture-profile>Audio/Dvi-1 (Medium quality)</capture-profile>
<capture-profile>Audio/Dvi-1/Composite-2 (High quality)</capture-
profile>
<capture-profile>Audio/Dvi-1/Composite-2 (Medium
quality)</capture-profile>
<capture-profile>Audio/Dvi-1/Dvi-2 (High quality)</capture-
profile>
<capture-profile>Audio/Dvi-1/Dvi-2 (Medium quality)</capture-
profile>
<capture-profile>Audio/Dvi-2 (High quality)</capture-profile>
<capture-profile>Audio/Dvi-2 (Medium quality)</capture-profile>
  </capture-profiles>
  <monitor-profiles>
<monitor-profile>Audio/Dvi-1/Dvi-2 (High quality)</monitor-
profile>
  </monitor-profiles>
<next>

  <type>media</type>
  <start-time>2016-03-18T18:00:00.000Z</start-time>
  <duration>1800</duration>

<parameters>
  <title>recur schedule</title>
  <section ref="7dbe1e6f-6622-4c59-970c-
00a2bbec7bab">Learn the ABCs (ABC 101-Schedule Conflict)
sprint13</section>
  <presenters>
    <presenter ref="ffc0d653-1a39-466c-9652-
c1e1c6b2c4bd">abaker@sprintthree.edu</presenter>
  </presenters>
  <capture-profile id="ProHardwareCapture-Video-
Video::High">
    <name>Audio/Dvi-1/Dvi-2 (High quality)</name>
    <output-type>archive</output-type>
  </products>

```

```

<product>
  <source name="audio" type="audio">
    <input>rca</input>
    <mode>stereo</mode>
    <analog-gain>-6</analog-gain>
    <gain>0</gain>
    <agc>>false</agc>
    <samplerate>44100</samplerate>
  </source>
  <source name="graphics1" type="graphics">
    <channel>1</channel>
    <input>dvi</input>
    <brightness>50</brightness>
    <contrast>50</contrast>
    <saturation>50</saturation>
    <framerate>25.0</framerate>
    <width>1280</width>
    <height>720</height>
    <is-display>>false</is-display>
  </source>
  <source name="graphics2" type="graphics">
    <channel>2</channel>
    <input>dvi</input>
    <brightness>50</brightness>
    <contrast>50</contrast>
    <saturation>50</saturation>
    <framerate>25.0</framerate>
    <width>1280</width>
    <height>720</height>
    <is-display>>false</is-display>
  </source>
  <transform name="audio-archive" type="encoder">
    <input>audio</input>
    <codec>aac</codec>
    <encode-on-host>>true</encode-on-host>
    <codec-parameters>
      <bitrate>128000</bitrate>
      <profile>lc</profile>
    </codec-parameters>
  </transform>
  <transform name="graphics1-archive"
type="encoder">
    <input>graphics1</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>

```

```

    </codec-parameters>
  </transform>
  <transform name="graphics2-archive"
type="encoder">
    <input>graphics2</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>
      <type>file</type>
      <filename>graphics1-video.h264</filename>
    </output>
  </sink>
  <sink name="graphics2-archive-file">
    <input>graphics2-archive</input>
    <output>
      <type>file</type>
      <filename>graphics2-video-
primary.h264</filename>
    </output>
  </sink>
</product>
</products>
</capture-profile>
</parameters>
</next></status>

```

## Get Current Capture Status Response XML

The below is the Response XML from the call defined in [section 3.1.4 - Get Current Capture Status](#) of this document.

```

<status>
  <wall-clock-time>2016-03-18T13:33:34.850Z</wall-clock-time>

```



```

<api-versions>
  <api-version>3.0</api-version>
</api-versions>
  <max-capture-duration-minutes>240</max-capture-duration-
minutes>
  <max-live-capture-extend-duration-minutes>240</max-live-
capture-extend-duration-minutes>
  <server-properties>
<server-type>alp</server-type>
</server-properties>
  <capture-profiles>
<capture-profile>Audio (High quality)</capture-profile>
<capture-profile>Audio (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-1 (Medium quality)</capture-profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (High quality)</capture-
profile>
<capture-profile>Audio/HDMI-1/HDMI-2 (Medium quality)</capture-
profile>
<capture-profile>Audio/HDMI-2 (High quality)</capture-profile>
<capture-profile>Audio/HDMI-2 (Medium quality)</capture-profile>
  </capture-profiles>
  <monitor-profiles>
<monitor-profile>Audio/HDMI-1/HDMI-2 (High quality)</monitor-
profile>
  </monitor-profiles>
<current>
  <schedule>

  <type>media</type>
  <start-time>2016-03-18T13:35:00.000Z</start-time>
  <duration>1500</duration>

<parameters>
  <title>Get Monitoring</title>
  <section ref="060bf1d3-91a5-4c74-86b9-9e4f6533b93a">Odd
Literary Figures (LIT-350-ODD-350) Winter 2015-2016</section>
  <presenters>
    <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
  </presenters>
  <capture-profile id="ProHardwareCapture2--Video::High">
    <name>Audio/HDMI-2 (High quality)</name>
    <output-type>archive-live</output-type>
    <products>
      <product>
        <source name="audio" type="audio">
          <input>rca</input>
          <mode>stereo</mode>
          <analog-gain>0</analog-gain>
          <gain>0</gain>

```

```

    <agc>false</agc>
    <samplerate>48000</samplerate>

<add ch2 digital audio>false</add ch2 digital audio>
</source>
<source name="graphics2" type="graphics">
  <channel>2</channel>
  <input>hdmi</input>
  <brightness>50</brightness>
  <contrast>50</contrast>
  <saturation>50</saturation>
  <framerate>25.0</framerate>
  <width>1280</width>
  <height>720</height>
  <is-display>false</is-display>
</source>
<transform name="audio-archive" type="encoder">
  <input>audio</input>
  <codec>aac</codec>
  <encode-on-host>true</encode-on-host>
  <codec-parameters>
    <bitrate>128000</bitrate>
    <profile>lc</profile>
  </codec-parameters>
</transform>
<transform name="graphics2-archive"
type="encoder">
  <input>graphics2</input>
  <codec>h264</codec>
  <codec-parameters>
    <bitrate-control>vbr</bitrate-control>
    <bitrate>2360000</bitrate>
    <max-bitrate>3540000</max-bitrate>
    <profile>base</profile>
    <frames-per-keyframe>125</frames-per-
keyframe>
  </codec-parameters>
</transform>
<transform name="audio-streaming" type="encoder">
  <input>audio</input>
  <codec>aac</codec>
  <encode-on-host>true</encode-on-host>
  <samplerate>48000</samplerate>
  <mode>stereo</mode>
  <codec-parameters>
    <bitrate>128000</bitrate>
    <profile>lc</profile>
  </codec-parameters>
</transform>
<transform name="graphics2-streaming"
type="encoder">

```

```

    <input>graphics2</input>
    <codec>h264</codec>
    <framerate>25.0</framerate>
    <width>1280</width>
    <height>720</height>
    <fix-aspect-ratio>true</fix-aspect-ratio>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics2-archive-file">
    <input>graphics2-archive</input>
    <output>
      <type>file</type>
      <filename>graphics2-video-
primary.h264</filename>
    </output>
  </sink>
  <sink name="audio-streaming-rtp">
    <input>audio-streaming</input>
    <output>
      <type>rtp</type>
      <rtp-ip>52.1.168.25</rtp-ip>
      <rtp-port>65512</rtp-port>
      <rtcp-port>65513</rtcp-port>
    </output>
  </sink>
  <sink name="graphics2-streaming-rtp">
    <input>graphics2-streaming</input>
    <output>
      <type>rtp</type>
      <rtp-ip>52.1.168.25</rtp-ip>
      <rtp-port>65514</rtp-port>
      <rtcp-port>65515</rtcp-port>
    </output>
  </sink>
</product>
</products>
</capture-profile>

```

```

    </parameters>
  </schedule>
  <state>waiting</state>
  <start-time>2016-03-18T13:35:00.000Z</start-time>
  <duration>1500</duration>
  <original-duration>1500</original-duration>
  <output-type>archive-live</output-type>
  <confidence-monitoring>>false</confidence-monitoring>
</current>
</status>

```

## Get Appliance Tasks Response XML

The below is the Response XML from the call defined in [section 3.2.7 - Get Appliance Tasks](#) of this document.

```

<?xml version="1.0" encoding="UTF-8"?>

<tasks version="1.0" deviceId="00-1C-08-00-40-26">
  <task id="e0584c53-d65a-4ca1-a611-7de0ae93455e 20160318T1335">
    <type>media</type>
    <start-time>2016-03-18T13:35:00.000Z</start-time>
    <duration>1500</duration>
    <serial sid="62dd2720-13f9-4d58-8151-1856710ce222">
      <step sid="capture">
        <worker>capture</worker>
        <priority>high</priority>
        <parameters>
          <title>Get Monitoring</title>
          <section ref="060bfl3-91a5-4c74-86b9-9e4f6533b93a">Odd
Literary Figures (LIT-350-ODD-350) Winter 2015-2016</section>
          <presenters>
            <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
          </presenters>
          <capture-profile id="ProHardwareCapture2--Video::High">
            <name>Audio/HDMI-2 (High quality)</name>
            <output-type>archive-live</output-type>
            <products>
              <product>
                <source name="audio" type="audio">
                  <input>rca</input>
                  <mode>stereo</mode>
                  <analog-gain>0</analog-gain>
                  <gain>0</gain>
                  <agc>>false</agc>
                  <samplerate>48000</samplerate>
                </source>
              </product>
            </products>
            <add ch2 digital audio>>false</add ch2 digital audio>
          </capture-profile>
        </parameters>
      </step>
    </serial>
  </task>
</tasks>

```

```

    <source name="graphics2" type="graphics">
      <channel>2</channel>
      <input>hdm</input>
      <brightness>50</brightness>
      <contrast>50</contrast>
      <saturation>50</saturation>
      <framerate>25.0</framerate>
      <width>1280</width>
      <height>720</height>
      <is-display>false</is-display>
    </source>
    <transform name="audio-archive" type="encoder">
      <input>audio</input>
      <codec>aac</codec>
      <encode-on-host>>true</encode-on-host>
      <codec-parameters>
        <bitrate>128000</bitrate>
        <profile>lc</profile>
      </codec-parameters>
    </transform>
    <transform name="graphics2-archive"
type="encoder">
      <input>graphics2</input>
      <codec>h264</codec>
      <codec-parameters>
        <bitrate-control>vbr</bitrate-control>
        <bitrate>2360000</bitrate>
        <max-bitrate>3540000</max-bitrate>
        <profile>base</profile>
        <frames-per-keyframe>125</frames-per-
keyframe>
      </codec-parameters>
    </transform>
    <transform name="audio-streaming" type="encoder">
      <input>audio</input>
      <codec>aac</codec>
      <encode-on-host>>true</encode-on-host>
      <samplerate>48000</samplerate>
      <mode>stereo</mode>
      <codec-parameters>
        <bitrate>128000</bitrate>
        <profile>lc</profile>
      </codec-parameters>
    </transform>
    <transform name="graphics2-streaming"
type="encoder">
      <input>graphics2</input>
      <codec>h264</codec>
      <framerate>25.0</framerate>
      <width>1280</width>
      <height>720</height>
  
```

```

    <fix-aspect-ratio>true</fix-aspect-ratio>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics2-archive-file">
    <input>graphics2-archive</input>
    <output>
      <type>file</type>
      <filename>graphics2-video-
primary.h264</filename>
    </output>
  </sink>
  <sink name="audio-streaming-rtp">
    <input>audio-streaming</input>
    <output>
      <type>rtp</type>
      <rtp-ip>52.1.168.25</rtp-ip>
      <rtp-port>65512</rtp-port>
      <rtcp-port>65513</rtcp-port>
    </output>
  </sink>
  <sink name="graphics2-streaming-rtp">
    <input>graphics2-streaming</input>
    <output>
      <type>rtp</type>
      <rtp-ip>52.1.168.25</rtp-ip>
      <rtp-port>65514</rtp-port>
      <rtcp-port>65515</rtcp-port>
    </output>
  </sink>
</product>
</products>
</capture-profile>
</parameters>
</step>
</serial>
</task> <task id="1b307988-ce70-496d-98d4-
5560223988f6_20160318T1900">

```

```

<type>media</type>
<start-time>2016-03-18T19:00:00.000Z</start-time>
<duration>1800</duration>
<serial sid="e16ce1d7-1684-425d-9cf7-c0d3609085fc">
  <step sid="capture">
    <worker>capture</worker>
    <priority>high</priority>
    <parameters>
      <title>Scheduled Classes</title>
      <section ref="ae1ef9e7-7f59-4352-bfde-
a52badd31f7b">American Lit: 1800-1900 (ENG-300-AMLIT-TuTh) Winter
2015-2016</section>
      <presenters>
        <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
      </presenters>
      <capture-profile id="ProHardwareCapture2-Display-
::High">
        <name>Audio/HDMI-1 (High quality)</name>
        <output-type>archive</output-type>
        <products>
          <product>
            <source name="audio" type="audio">
              <input>rca</input>
              <mode>stereo</mode>
              <analog-gain>0</analog-gain>
              <gain>0</gain>
              <agc>>false</agc>
              <samplerate>48000</samplerate>
            </source>
            <add ch1 digital audio>true</add ch1 digital audio>
          </product>
          <product>
            <source name="graphics1" type="graphics">
              <channel>1</channel>
              <input>hdmi</input>
              <brightness>50</brightness>
              <contrast>50</contrast>
              <saturation>50</saturation>
              <framerate>25.0</framerate>
              <width>1280</width>
              <height>720</height>
              <is-display>true</is-display>
            </source>
            <transform name="audio-archive" type="encoder">
              <input>audio</input>
              <codec>aac</codec>
              <encode-on-host>true</encode-on-host>
              <codec-parameters>
                <bitrate>128000</bitrate>
                <profile>lc</profile>
              </codec-parameters>
            </transform>
          </product>
        </products>
      </capture-profile>
    </parameters>
  </step>
</serial>

```

```

    </transform>
    <transform name="graphics1-archive"
type="encoder">
      <input>graphics1</input>
      <codec>h264</codec>
      <codec-parameters>
        <bitrate-control>vbr</bitrate-control>
        <bitrate>2360000</bitrate>
        <max-bitrate>3540000</max-bitrate>
        <profile>base</profile>
        <frames-per-keyframe>125</frames-per-
keyframe>
      </codec-parameters>
    </transform>
    <sink name="audio-archive-file">
      <input>audio-archive</input>
      <output>
        <type>file</type>
        <filename>audio.aac</filename>
      </output>
    </sink>
    <sink name="graphics1-archive-file">
      <input>graphics1-archive</input>
      <output>
        <type>file</type>
        <filename>graphics1-display-
primary.h264</filename>
      </output>
    </sink>
  </product>
</products>
</capture-profile>
</parameters>
</step>
</serial>
</task> <task id="1b307988-ce70-496d-98d4-
5560223988f6 20160319T1900">
  <type>media</type>
  <start-time>2016-03-19T19:00:00.000Z</start-time>
  <duration>1800</duration>
  <serial sid="13b0b691-569f-46a5-a42a-058d0ce48ae4">
    <step sid="capture">
      <worker>capture</worker>
      <priority>high</priority>
      <parameters>
        <title>Scheduled Classes</title>
        <section ref="ae1ef9e7-7f59-4352-bfde-
a52badd31f7b">American Lit: 1800-1900 (ENG-300-AMLIT-TuTh) Winter
2015-2016</section>
        <presenters>

```



```

    <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
  </presenters>
  <capture-profile id="ProHardwareCapture2-Display-
::High">
    <name>Audio/HDMI-1 (High quality)</name>
    <output-type>archive</output-type>
    <products>
      <product>
        <source name="audio" type="audio">
          <input>rca</input>
          <mode>stereo</mode>
          <analog-gain>0</analog-gain>
          <gain>0</gain>
          <agc>>false</agc>
          <samplerate>48000</samplerate>
<add ch1 digital audio>true</add ch1 digital audio>
        </source>
        <source name="graphics1" type="graphics">
          <channel>1</channel>
          <input>hdmi</input>
          <brightness>50</brightness>
          <contrast>50</contrast>
          <saturation>50</saturation>
          <framerate>25.0</framerate>
          <width>1280</width>
          <height>720</height>
          <is-display>true</is-display>
        </source>
        <transform name="audio-archive" type="encoder">
          <input>audio</input>
          <codec>aac</codec>
          <encode-on-host>true</encode-on-host>
          <codec-parameters>
            <bitrate>128000</bitrate>
            <profile>lc</profile>
          </codec-parameters>
        </transform>
        <transform name="graphics1-archive"
type="encoder">
          <input>graphics1</input>
          <codec>h264</codec>
          <codec-parameters>
            <bitrate-control>vbr</bitrate-control>
            <bitrate>2360000</bitrate>
            <max-bitrate>3540000</max-bitrate>
            <profile>base</profile>
            <frames-per-keyframe>125</frames-per-
keyframe>
          </codec-parameters>

```

```

        </transform>
        <sink name="audio-archive-file">
          <input>audio-archive</input>
          <output>
            <type>file</type>
            <filename>audio.aac</filename>
          </output>
        </sink>
        <sink name="graphics1-archive-file">
          <input>graphics1-archive</input>
          <output>
            <type>file</type>
            <filename>graphics1-display-
primary.h264</filename>
          </output>
        </sink>
      </product>
    </products>
  </capture-profile>
</parameters>
</step>
</serial>
</task> <task id="1b307988-ce70-496d-98d4-
5560223988f6 20160320T1900">
  <type>media</type>
  <start-time>2016-03-20T19:00:00.000Z</start-time>
  <duration>1800</duration>
  <serial sid="3fe5aa3c-3f38-4567-a3f7-383884ec3afd">
    <step sid="capture">
      <worker>capture</worker>
      <priority>high</priority>
      <parameters>
        <title>Scheduled Classes</title>
        <section ref="ae1ef9e7-7f59-4352-bfde-
a52badd31f7b">American Lit: 1800-1900 (ENG-300-AMLIT-TuTh) Winter
2015-2016</section>
        <presenters>
          <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
        </presenters>
        <capture-profile id="ProHardwareCapture2-Display-
::High">
          <name>Audio/HDMI-1 (High quality)</name>
          <output-type>archive</output-type>
          <products>
            <product>
              <source name="audio" type="audio">
                <input>rca</input>
                <mode>stereo</mode>
                <analog-gain>0</analog-gain>
                <gain>0</gain>
            </product>
          </products>
        </capture-profile>
      </parameters>
    </step>
  </serial>
</task>

```

```

    <agc>false</agc>
    <samplerate>48000</samplerate>
<add ch1 digital audio>true</add ch1 digital audio>
</source>
<source name="graphics1" type="graphics">
  <channel>1</channel>
  <input>hdmi</input>
  <brightness>50</brightness>
  <contrast>50</contrast>
  <saturation>50</saturation>
  <framerate>25.0</framerate>
  <width>1280</width>
  <height>720</height>
  <is-display>true</is-display>
</source>
<transform name="audio-archive" type="encoder">
  <input>audio</input>
  <codec>aac</codec>
  <encode-on-host>true</encode-on-host>
  <codec-parameters>
    <bitrate>128000</bitrate>
    <profile>lc</profile>
  </codec-parameters>
</transform>
<transform name="graphics1-archive"
type="encoder">
  <input>graphics1</input>
  <codec>h264</codec>
  <codec-parameters>
    <bitrate-control>vbr</bitrate-control>
    <bitrate>2360000</bitrate>
    <max-bitrate>3540000</max-bitrate>
    <profile>base</profile>
    <frames-per-keyframe>125</frames-per-
keyframe>
  </codec-parameters>
</transform>
<sink name="audio-archive-file">
  <input>audio-archive</input>
  <output>
    <type>file</type>
    <filename>audio.aac</filename>
  </output>
</sink>
<sink name="graphics1-archive-file">
  <input>graphics1-archive</input>
  <output>
    <type>file</type>
    <filename>graphics1-display-
primary.h264</filename>

```

```

        </output>
      </sink>
    </product>
  </products>
</capture-profile>
</parameters>
</step>
</serial>
</task> <task id="1b307988-ce70-496d-98d4-
5560223988f6 20160321T1900">
  <type>media</type>
  <start-time>2016-03-21T19:00:00.000Z</start-time>
  <duration>1800</duration>
  <serial sid="928a3cb9-57af-45eb-9f89-789147c87a81">
    <step sid="capture">
      <worker>capture</worker>
      <priority>high</priority>
      <parameters>
        <title>Scheduled Classes</title>
        <section ref="aelef9e7-7f59-4352-bfde-
a52badd31f7b">American Lit: 1800-1900 (ENG-300-AMLIT-TuTh) Winter
2015-2016</section>
        <presenters>
          <presenter ref="1423d63a-4630-474a-b708-
882fd7a84b25">Bernard Koloski</presenter>
        </presenters>
        <capture-profile id="ProHardwareCapture2-Display-
::High">
          <name>Audio/HDMI-1 (High quality)</name>
          <output-type>archive</output-type>
          <products>
            <product>
              <source name="audio" type="audio">
                <input>rca</input>
                <mode>stereo</mode>
                <analog-gain>0</analog-gain>
                <gain>0</gain>
                <agc>>false</agc>
                <samplerate>48000</samplerate>
              </source>
              <add ch1 digital audio>true</add ch1 digital audio>
            </product>
            <product>
              <source name="graphics1" type="graphics">
                <channel>1</channel>
                <input>hdmi</input>
                <brightness>50</brightness>
                <contrast>50</contrast>
                <saturation>50</saturation>
                <framerate>25.0</framerate>
                <width>1280</width>
                <height>720</height>
              </source>
            </product>
          </products>
        </capture-profile>
      </step>
    </serial>
  </task>
</response>

```

```

    <is-display>true</is-display>
  </source>
  <transform name="audio-archive" type="encoder">
    <input>audio</input>
    <codec>aac</codec>
    <encode-on-host>true</encode-on-host>
    <codec-parameters>
      <bitrate>128000</bitrate>
      <profile>lc</profile>
    </codec-parameters>
  </transform>
  <transform name="graphics1-archive"
type="encoder">
    <input>graphics1</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>
      <type>file</type>
      <filename>graphics1-display-
primary.h264</filename>
    </output>
  </sink>
</product>
</products>
</capture-profile>
</parameters>
</step>
</serial>
</task>

<signature>HmacSHA256:ea956d7f68afb9513bd2b3b9b77e4f74af2f6c8320f
6c16fb05b47b06bf7b67a</signature>
</tasks>

```

## Get Device Configuration File Response XML

The below is the Response XML from the call defined in [section 3.2.8 - Get Device Configuration File](#) of this document.

```
<?xml version="1.0" encoding="UTF-8"?>

<device version="1.0" id="00-1C-08-00-40-26">
  <key>00-1C-08-00-40-26</key>
  <utc-offset>-240</utc-offset>
  <location ref="7ae4c7b1-6fef-468d-8995-07729750573f">Echo360
  Pro Campus: Echo360 Pro Building - Echo360Pro Room - ALP
  Team</location>
  <management-server ref="c27b2b52-2427-485c-b1f3-511694d681d1">
    <address>https://echo360qa.org/device api/c27b2b52-2427-485c-
    b1f3-511694d681d1</address>
  </management-server>
  <front panel access>0</front panel access>
  <shared-
  secret>6f7ecace3785f5439a519d8f04519cac0de2ab4ca82537b8230553b6cd
  46e15a4908767bb2d7b2f4</shared-secret>
  <device-xml-uri>https://org-echo360-alpqa-
  download.s3.amazonaws.com/c27b2b52-2427-485c-b1f3-
  511694d681d1/device.xml</device-xml-uri>
  <network>
    <dhcp>>true</dhcp>
    <ntp-servers>
      <ntp-server>1.echo360.pool.ntp.org</ntp-server>
      <ntp-server>2.echo360.pool.ntp.org</ntp-server>
    </ntp-servers>
  </network>
  <services>
    <service>
      <name>adhoc control</name>
      <version>5.5.558149484</version>
      <command>echo adhoc control</command>
      <background-service>>true</background-service>
      <files>
        <file>
          <name>device server.pem</name>
          <category>static-config</category>
          <uri>https://org-echo360-alpqa-
          download.s3.amazonaws.com/d4ed6d4f4ce243e8ebb5e8670bd429f08728b0b
          8d695bbdad165da2f409f95fa 5.5.558149484 x x device server.pem</ur
          i>
          <hash>SHA-
          256:d4ed6d4f4ce243e8ebb5e8670bd429f08728b0b8d695bbdad165da2f409f9
          5fa</hash>
        </file>
        <file>
          <name>users.xml</name>
          <category>dynamic-config</category>
        </file>
      </files>
    </service>
  </services>
</device>
```

```

    <uri>https://org-echo360-alpqa-
download.s3.amazonaws.com/00-1C-08-00-40-
26/cf601b48ab0b10ad2f85cbcc44d998a5f2bb4a3eacf015a3b1cda0ef8b4aa6
9d users.xml</uri>
    <hash>SHA-
256:cf601b48ab0b10ad2f85cbcc44d998a5f2bb4a3eacf015a3b1cda0ef8b4aa
69d</hash>
  </file>
</files>
<allowed-http-clients>
  <allowed-http-client>*. *.*.*</allowed-http-client>
</allowed-http-clients>
<http-access>false</http-access>
<port>8443</port>
<upload-info-uri>https://echo360qa.org/device api/c27b2b52-
2427-485c-b1f3-511694d681d1/restapi/v1/devices/00-1C-08-00-40-
26/adHocUploadInfo/pro-hardware-capture-
2/linux.32/x86/unknown?token={authToken}</upload-info-uri>
  <max-capture-duration-minutes>240</max-capture-duration-
minutes>
  <max-live-capture-extend-duration-minutes>15</max-live-
capture-extend-duration-minutes>
</service>  <service>
  <name>capture</name>
  <version>5.5.558149484</version>
  <command>echo capture</command>
  <background-service>false</background-service>
  <files>
</files>
  <capture-notification-
uri>https://echo360qa.org/device api/device/00-1C-08-00-40-
26/notification?institutionId=c27b2b52-2427-485c-b1f3-
511694d681d1&amp;time={seconds}&amp;signature={hmac}</capture-
notification-uri>
  <capture-notification-retry-interval>60</capture-
notification-retry-interval>

```

```

    <monitor-upload-
uri>https://ASIAJO5QNASBVRP46JOQ:2022c63d6bc01396b80889f55cf5896e
1d72d891c0cb5b1b58adba13700bd5e974071a4ade4a782783bdd195d50f590e:
AQoDYXdzEKL%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEasAOmN6w5q3u%2FY8ZPPDI
10hg6sVhI54WDofj6ixtQKki5Qb68IdhVhMGQEpI7oB4RvcwhPmW0jXJCoeLIItJ3v
sAYfTp3U0UmMhy%2FF8f7WqkI%2BWZH8roDme5iW7bRRTNrcqEt%2BpTzn2UERuSw
ZPmj7bWZwA0Yf%2BG71MhSF557P2pGfUkfB1zPFMaZC7tFQe8jhaSHvbDsXlqLvT0
XJZGepTeFWZ%2FTJwLnkrQGDKoz%2B9Vs0B3ycNEWWUW2fj0bWmW5Wayq2nf%2Fgi
XlEwv65UijVmV7h7BhFQidNRZ55pVgydaZ2x58mFzDSvenJjppQZUjbrkogpbbuvMk
aHUQVPktNDR95nprIBGzJxdcf2J6NRVIInnFoagJ4N%2BpyqDfdkZ%2Bb%2FhBDWbm
oHCFA2fqC0VNwpevL0Bn1AKZxYP9PEWgciB3wH3kIa%2Bvagsdad7dvwQnW1DDXp%
2BEXOZJ6YctqLeb7f425gmnJwCbpler2Y2Uj6a8FxlUVLVUSh8kSEWdGPPja1K1kp
RQdag8Xl%2F7Lk20KsodAzv4Y9RxHSOaK3VBfj2uDM8rhwDABe96k3gvuth5E%2B3
JVog%2FqutwU%3D@org-echo360-alpqa-
upload.s3.amazonaws.com/c27b2b52-2427-485c-b1f3-511694d681d1/00-
1C-08-00-40-26/monitor/graphics-{channel}.jpg</monitor-upload-
uri>
    <monitor-upload-interval>6</monitor-upload-interval>
    <multipart-part-size-bytes>5500000</multipart-part-size-
bytes>
    <multipart-threshold-bytes>5600000</multipart-threshold-
bytes>
    <s3-reduced-redundancy>>true</s3-reduced-redundancy>
    <default-parameters>
      <capture-profiles>
        <capture-profile id="ProHardwareCapture2--::High">
          <name>Audio (High quality)</name>
          <output-type>archive</output-type>
          <products>
            <product>
              <source name="audio" type="audio">
                <input>rca</input>
                <mode>stereo</mode>
                <analog-gain>0</analog-gain>
                <gain>0</gain>
                <agc>>false</agc>
                <samplerate>48000</samplerate>
              </source>
              <transform name="audio-archive" type="encoder">
                <input>audio</input>
                <codec>aac</codec>
                <encode-on-host>>true</encode-on-host>
                <codec-parameters>
                  <bitrate>128000</bitrate>
                  <profile>lc</profile>
                </codec-parameters>
              </transform>
            </product>
          </products>
        </capture-profile>
      </capture-profiles>
    </default-parameters>
  </monitor-upload-parameters>
</monitor-upload>

```



```

        <filename>audio.aac</filename>
    </output>
</sink>
</product>
</products>
</capture-profile>
id="ProHardwareCapture2--::Medium" <capture-profile
<name>Audio (Medium quality)</name>
<output-type>archive</output-type>
<products>
  <product>
    <source name="audio" type="audio">
      <input>rca</input>
      <mode>stereo</mode>
      <analog-gain>0</analog-gain>
      <gain>0</gain>
      <agc>>false</agc>
      <samplerate>48000</samplerate>
    </source>
    <transform name="audio-archive" type="encoder">
      <input>audio</input>
      <codec>aac</codec>
      <encode-on-host>>true</encode-on-host>
      <codec-parameters>
        <bitrate>128000</bitrate>
        <profile>lc</profile>
      </codec-parameters>
    </transform>
    <sink name="audio-archive-file">
      <input>audio-archive</input>
      <output>
        <type>file</type>
        <filename>audio.aac</filename>
      </output>
    </sink>
  </product>
</products>
</capture-profile>
id="ProHardwareCapture2-Display-::High" <capture-profile
<name>Audio/HDMI-1 (High quality)</name>
<output-type>archive</output-type>
<products>
  <product>
    <source name="audio" type="audio">
      <input>rca</input>
      <mode>stereo</mode>
      <analog-gain>0</analog-gain>
      <gain>0</gain>
      <agc>>false</agc>
      <samplerate>48000</samplerate>
    </source>

```

```

<add ch1 digital audio>>true</add ch1 digital audio>
  </source>
  <source name="graphics1" type="graphics">
    <channel>1</channel>
    <input>hdmi</input>
    <brightness>50</brightness>
    <contrast>50</contrast>
    <saturation>50</saturation>
    <framerate>25.0</framerate>
    <width>1280</width>
    <height>720</height>
    <is-display>true</is-display>
  </source>
  <transform name="audio-archive" type="encoder">
    <input>audio</input>
    <codec>aac</codec>
    <encode-on-host>true</encode-on-host>
    <codec-parameters>
      <bitrate>128000</bitrate>
      <profile>lc</profile>
    </codec-parameters>
  </transform>
  <transform name="graphics1-archive"
type="encoder">
    <input>graphics1</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>
      <type>file</type>
      <filename>graphics1-display-
primary.h264</filename>
    </output>
  </sink>

```

```

    </product>
  </products>
</capture-profile>          <capture-profile
id="ProHardwareCapture2-Display-::Medium">
  <name>Audio/HDMI-1 (Medium quality)</name>
  <output-type>archive</output-type>
  <products>
    <product>
      <source name="audio" type="audio">
        <input>rca</input>
        <mode>stereo</mode>
        <analog-gain>0</analog-gain>
        <gain>0</gain>
        <agc>>false</agc>
        <samplerate>48000</samplerate>
<add ch1 digital audio>true</add ch1 digital audio>
      </source>
      <source name="graphics1" type="graphics">
        <channel>1</channel>
        <input>hdmi</input>
        <brightness>50</brightness>
        <contrast>50</contrast>
        <saturation>50</saturation>
        <framerate>15.0</framerate>
        <width>1024</width>
        <height>576</height>
        <is-display>true</is-display>
      </source>
      <transform name="audio-archive" type="encoder">
        <input>audio</input>
        <codec>aac</codec>
        <encode-on-host>true</encode-on-host>
        <codec-parameters>
          <bitrate>128000</bitrate>
          <profile>lc</profile>
        </codec-parameters>
      </transform>
      <transform name="graphics1-archive"
type="encoder">
        <input>graphics1</input>
        <codec>h264</codec>
        <codec-parameters>
          <bitrate-control>vbr</bitrate-control>
          <bitrate>906240</bitrate>
          <max-bitrate>1359360</max-bitrate>
          <profile>base</profile>
          <frames-per-keyframe>75</frames-per-keyframe>
        </codec-parameters>
      </transform>
      <sink name="audio-archive-file">

```

```

        <input>audio-archive</input>
        <output>
            <type>file</type>
            <filename>audio.aac</filename>
        </output>
    </sink>
    <sink name="graphics1-archive-file">
        <input>graphics1-archive</input>
        <output>
            <type>file</type>
            <filename>graphics1-display-
primary.h264</filename>
        </output>
    </sink>
</product>
</products>
</capture-profile id="ProHardwareCapture2-Display-Video::High"
    <name>Audio/HDMI-1/HDMI-2 (High quality)</name>
    <output-type>archive</output-type>
    <for-monitoring>true</for-monitoring>
    <products>
        <product>
            <source name="audio" type="audio">
                <input>rca</input>
                <mode>stereo</mode>
                <analog-gain>0</analog-gain>
                <gain>0</gain>
                <agc>>false</agc>
                <samplerate>48000</samplerate>
            </source>
            <add ch1 digital audio>true</add ch1 digital audio>
            <add ch2 digital audio>>false</add ch2 digital audio>
        </product>
        <source name="graphics1" type="graphics">
            <channel>1</channel>
            <input>hdmi</input>
            <brightness>50</brightness>
            <contrast>50</contrast>
            <saturation>50</saturation>
            <framerate>25.0</framerate>
            <width>1280</width>
            <height>720</height>
            <is-display>true</is-display>
        </source>
        <source name="graphics2" type="graphics">
            <channel>2</channel>
            <input>hdmi</input>
            <brightness>50</brightness>
            <contrast>50</contrast>
    </products>
    </capture-profile>

```

```

    <saturation>50</saturation>
    <framerate>25.0</framerate>
    <width>1280</width>
    <height>720</height>
    <is-display>>false</is-display>
  </source>
  <transform name="audio-archive" type="encoder">
    <input>audio</input>
    <codec>aac</codec>
    <encode-on-host>>true</encode-on-host>
    <codec-parameters>
      <bitrate>128000</bitrate>
      <profile>lc</profile>
    </codec-parameters>
  </transform>
  <transform name="graphics1-archive"
type="encoder">
    <input>graphics1</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <transform name="graphics2-archive"
type="encoder">
    <input>graphics2</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>2360000</bitrate>
      <max-bitrate>3540000</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>125</frames-per-
keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>

```

```

        <type>file</type>
        <filename>graphics1-display-
primary.h264</filename>
      </output>
    </sink>
    <sink name="graphics2-archive-file">
      <input>graphics2-archive</input>
      <output>
        <type>file</type>
        <filename>graphics2-video.h264</filename>
      </output>
    </sink>
  </product>
</products>
</capture-profile>
id="ProHardwareCapture2-Display-Video::Medium"
  <name>Audio/HDMI-1/HDMI-2 (Medium quality)</name>
  <output-type>archive</output-type>
  <products>
    <product>
      <source name="audio" type="audio">
        <input>rca</input>
        <mode>stereo</mode>
        <analog-gain>0</analog-gain>
        <gain>0</gain>
        <agc>>false</agc>
        <samplerate>48000</samplerate>
      </source>
    </product>
  </products>
</capture-profile>
<add ch1 digital audio>>true</add ch1 digital audio>
<add ch2 digital audio>>false</add ch2 digital audio>
</source>
<source name="graphics1" type="graphics">
  <channel>1</channel>
  <input>hdmi</input>
  <brightness>50</brightness>
  <contrast>50</contrast>
  <saturation>50</saturation>
  <framerate>15.0</framerate>
  <width>1024</width>
  <height>576</height>
  <is-display>true</is-display>
</source>
<source name="graphics2" type="graphics">
  <channel>2</channel>
  <input>hdmi</input>
  <brightness>50</brightness>
  <contrast>50</contrast>
  <saturation>50</saturation>
  <framerate>15.0</framerate>
  <width>1024</width>

```

```

    <height>576</height>
    <is-display>>false</is-display>
  </source>
  <transform name="audio-archive" type="encoder">
    <input>audio</input>
    <codec>aac</codec>
    <encode-on-host>>true</encode-on-host>
    <codec-parameters>
      <bitrate>128000</bitrate>
      <profile>lc</profile>
    </codec-parameters>
  </transform>
  <transform name="graphics1-archive"
type="encoder">
    <input>graphics1</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>906240</bitrate>
      <max-bitrate>1359360</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>75</frames-per-keyframe>
    </codec-parameters>
  </transform>
  <transform name="graphics2-archive"
type="encoder">
    <input>graphics2</input>
    <codec>h264</codec>
    <codec-parameters>
      <bitrate-control>vbr</bitrate-control>
      <bitrate>906240</bitrate>
      <max-bitrate>1359360</max-bitrate>
      <profile>base</profile>
      <frames-per-keyframe>75</frames-per-keyframe>
    </codec-parameters>
  </transform>
  <sink name="audio-archive-file">
    <input>audio-archive</input>
    <output>
      <type>file</type>
      <filename>audio.aac</filename>
    </output>
  </sink>
  <sink name="graphics1-archive-file">
    <input>graphics1-archive</input>
    <output>
      <type>file</type>
      <filename>graphics1-display-
primary.h264</filename>
    </output>
  </sink>

```

```

    <sink name="graphics2-archive-file">
      <input>graphics2-archive</input>
      <output>
        <type>file</type>
        <filename>graphics2-video.h264</filename>
      </output>
    </sink>
  </product>
</products>
</capture-profile>
id="ProHardwareCapture2--Video::High" <capture-profile
  <name>Audio/HDMI-2 (High quality)</name>
  <output-type>archive</output-type>
  <for-one-touch>true</for-one-touch>
  <products>
    <product>
      <source name="audio" type="audio">
        <input>rca</input>
        <mode>stereo</mode>
        <analog-gain>0</analog-gain>
        <gain>0</gain>
        <agc>>false</agc>
        <samplerate>48000</samplerate>
      </source>
      <add ch2 digital audio>>false</add ch2 digital audio>
    </product>
    <source name="graphics2" type="graphics">
      <channel>2</channel>
      <input>hdmi</input>
      <brightness>50</brightness>
      <contrast>50</contrast>
      <saturation>50</saturation>
      <framerate>25.0</framerate>
      <width>1280</width>
      <height>720</height>
      <is-display>>false</is-display>
    </source>
    <transform name="audio-archive" type="encoder">
      <input>audio</input>
      <codec>aac</codec>
      <encode-on-host>true</encode-on-host>
      <codec-parameters>
        <bitrate>128000</bitrate>
        <profile>lc</profile>
      </codec-parameters>
    </transform>
    <transform name="graphics2-archive"
type="encoder">
      <input>graphics2</input>
      <codec>h264</codec>
      <codec-parameters>

```



```

        <bitrate-control>vbr</bitrate-control>
        <bitrate>2360000</bitrate>
        <max-bitrate>3540000</max-bitrate>
        <profile>base</profile>
        <frames-per-keyframe>125</frames-per-
keyframe>
        </codec-parameters>
    </transform>
    <sink name="audio-archive-file">
        <input>audio-archive</input>
        <output>
            <type>file</type>
            <filename>audio.aac</filename>
        </output>
    </sink>
    <sink name="graphics2-archive-file">
        <input>graphics2-archive</input>
        <output>
            <type>file</type>
            <filename>graphics2-video-
primary.h264</filename>
        </output>
    </sink>
</product>
</products>
</capture-profile>
    <capture-profile
id="ProHardwareCapture2--Video::Medium">
        <name>Audio/HDMI-2 (Medium quality)</name>
        <output-type>archive</output-type>
    <products>
        <product>
            <source name="audio" type="audio">
                <input>rca</input>
                <mode>stereo</mode>
                <analog-gain>0</analog-gain>
                <gain>0</gain>
                <agc>>false</agc>
                <samplerate>48000</samplerate>
            </source>
            <add ch2 digital audio>>false</add ch2 digital audio>
        </source>
        <source name="graphics2" type="graphics">
            <channel>2</channel>
            <input>hdmi</input>
            <brightness>50</brightness>
            <contrast>50</contrast>
            <saturation>50</saturation>
            <framerate>15.0</framerate>
            <width>1024</width>
            <height>576</height>
            <is-display>>false</is-display>

```

```

</source>
<transform name="audio-archive" type="encoder">
  <input>audio</input>
  <codec>aac</codec>
  <encode-on-host>>true</encode-on-host>
  <codec-parameters>
    <bitrate>128000</bitrate>
    <profile>lc</profile>
  </codec-parameters>
</transform>
<transform name="graphics2-archive"
type="encoder">
  <input>graphics2</input>
  <codec>h264</codec>
  <codec-parameters>
    <bitrate-control>vbr</bitrate-control>
    <bitrate>906240</bitrate>
    <max-bitrate>1359360</max-bitrate>
    <profile>base</profile>
    <frames-per-keyframe>75</frames-per-keyframe>
  </codec-parameters>
</transform>
<sink name="audio-archive-file">
  <input>audio-archive</input>
  <output>
    <type>file</type>
    <filename>audio.aac</filename>
  </output>
</sink>
<sink name="graphics2-archive-file">
  <input>graphics2-archive</input>
  <output>
    <type>file</type>
    <filename>graphics2-video-
primary.h264</filename>
  </output>
</sink>
</product>
</products>
</capture-profile>
</capture-profiles>
</default-parameters>
</service> <service>
  <name>system status</name>
  <version>5.5.558149484</version>
  <command>echo system status</command>
  <background-service>>true</background-service>
  <files>
</files>
  <priority>low</priority>
  <wakeup-interval>300</wakeup-interval>

```

```

</service> <service>
  <name>upload_content</name>
  <version>5.5.558149484</version>
  <command>echo upload_content</command>
  <background-service>true</background-service>
  <files>
</files>
  <priority>low</priority>
  <notification-retry-interval>60</notification-retry-
interval>
  <notification-
uri>https://echo360qa.org/device_api/device/00-1C-08-00-40-
26/notification?institutionId=c27b2b52-2427-485c-b1f3-
511694d681d1&amp;time={seconds}&amp;signature={hmac}</notificatio
n-uri>

<uri>https://ASIAJO5QNASBVRP46JOQ:2022c63d6bc01396b80889f55cf5896
e1d72d891c0cb5b1b58adba13700bd5e974071a4ade4a782783bdd195d50f590e
:AQoDYXdzEKL%2F%2F%2F%2F%2F%2F%2F%2F%2F%2FwEasAOmN6w5q3u%2FY8ZPPD
I10hG6sVhI54WDofj6ixtQKki5Qb68IdhVhMGQEpI7oB4RvcwhPmW0jXJCoeLItJ3
vsAYfTp3U0UmMhy%2FF8f7WqkI%2BWZH8roDme5iW7bRRTNrCqEt%2BpTzN2UERuS
wZPmj7bWZwA0Yf%2BG71MhSF557P2pGfUkfb1zPFMaZC7tFQe8jhaSHvbDsXlqLvT
0XJZGepTeFWZ%2FTJwLnkrQGDKOz%2B9Vs0B3ycNEWWUW2fj0bWmW5Wayq2nf%2Fg
iX1Evw65UijVmV7h7BhFQidNRZ55pVgydaZ2x58mFzDSvenJjpQZUjbrKogpbbuvM
kaHUQVPKtNDR95nprIBGzJxdcf2J6NRVInnFoagJ4N%2BpyqDfdKZ%2Bb%2FhBDWb
moHCFA2fqC0VNwpevL0Bn1AKZxYP9PEWgciB3wH3kIa%2Bvagsdad7dvwQnW1DDXp
%2BEXOZJ6YctqLeb7f425gmnJwCbpler2Y2Uj6a8Fx1UVLVUSh8kSEWdGPPja1K1k
pRQdag8X1%2F7Lk20KsodAzv4Y9RxHSOaK3VBfj2uDM8rhwDABe96k3gvuth5E%2B
3JVogg%2FqutwU%3D@org-echo360-alpqa-
upload.s3.amazonaws.com/c27b2b52-2427-485c-b1f3-511694d681d1/00-
1C-08-00-40-26/content/{taskId}</uri>
  <reupload-
uri>https://ASIAJO5QNASBVRP46JOQ:2022c63d6bc01396b80889f55cf5896e
1d72d891c0cb5b1b58adba13700bd5e974071a4ade4a782783bdd195d50f590e
:AQoDYXdzEKL%2F%2F%2F%2F%2F%2F%2F%2F%2FwEasAOmN6w5q3u%2FY8ZPPDI
10hG6sVhI54WDofj6ixtQKki5Qb68IdhVhMGQEpI7oB4RvcwhPmW0jXJCoeLItJ3v
sAYfTp3U0UmMhy%2FF8f7WqkI%2BWZH8roDme5iW7bRRTNrCqEt%2BpTzN2UERuS
wZPmj7bWZwA0Yf%2BG71MhSF557P2pGfUkfb1zPFMaZC7tFQe8jhaSHvbDsXlqLvT0
XJZGepTeFWZ%2FTJwLnkrQGDKOz%2B9Vs0B3ycNEWWUW2fj0bWmW5Wayq2nf%2Fgi
X1Evw65UijVmV7h7BhFQidNRZ55pVgydaZ2x58mFzDSvenJjpQZUjbrKogpbbuvMk
aHUQVPKtNDR95nprIBGzJxdcf2J6NRVInnFoagJ4N%2BpyqDfdKZ%2Bb%2FhBDWbm
oHCFA2fqC0VNwpevL0Bn1AKZxYP9PEWgciB3wH3kIa%2Bvagsdad7dvwQnW1DDXp
%2BEXOZJ6YctqLeb7f425gmnJwCbpler2Y2Uj6a8Fx1UVLVUSh8kSEWdGPPja1K1kp
RQdag8X1%2F7Lk20KsodAzv4Y9RxHSOaK3VBfj2uDM8rhwDABe96k3gvuth5E%2B3
JVogg%2FqutwU%3D@org-echo360-alpqa-
upload.s3.amazonaws.com/c27b2b52-2427-485c-b1f3-511694d681d1/00-
1C-08-00-40-26/reupload/{taskId}</reupload-uri>
  <multipart-part-size-bytes>5500000</multipart-part-size-
bytes>
  <multipart-threshold-bytes>5600000</multipart-threshold-
bytes>

```

```

    <s3-reduced-redundancy>false</s3-reduced-redundancy>
    <stitching-supported>true</stitching-supported>
    <skip-indexing>true</skip-indexing>
    <skip-hashing>true</skip-hashing>
    <max-bytes-per-sec>2147483647</max-bytes-per-sec>
    <max-saved-size>96000</max-saved-size>
  </service>    <service>
    <name>upload log</name>
    <version>5.5.558149484</version>
    <command>echo upload log</command>
    <background-service>true</background-service>
    <files>
  </files>
    <priority>low</priority>

<uri>https://ASIAJO5QNASBVRP46J0Q:2022c63d6bc01396b80889f55cf5896
eld72d891c0cb5b1b58adba13700bd5e974071a4ade4a782783bdd195d50f590e
:AQoDYXdzEKL%2F%2F%2F%2F%2F%2F%2F%2F%2FwEasAOmN6w5q3u%2FY8ZPPD
I10hG6sVhI54Wdofj6ixtQKki5Qb68IdhVhMGQEpI7oB4RvcwhPmW0jXJCoeLItJ3
vsAYfTp3U0UmMhy%2FF8f7WqkI%2BWZH8roDme5iW7bRRTNrCqEt%2BpTzN2UERuS
wZPmj7bWZwA0Yf%2BG71MhSF557P2pGfUkfb1zPFMaZC7tFQe8jhaSHvbDsXlqLvT
0XJZGepTeFWZ%2FTJwLnkrQGDKoz%2B9Vs0B3ycNEWWUW2fj0bWmW5Wayq2nf%2Fg
ix1Evw65UijVmV7h7BhFQidNRZ55pVgydaZ2x58mFzDSvenJjpQZUjbRkogpbbuvM
kaHUQVPKtNDR95nprIBGzJxdcf2J6NRVInnFoagJ4N%2BpyqDfdKZ%2Bb%2FhBDWb
moHCFA2fqC0VNwpevL0Bn1AKZxYP9PEWgciB3wH3kIa%2Bvagsdad7dvwQnW1DDXp
%2BEXOZJ6YctqLeb7f425gmnJwCbpler2Y2Uj6a8Fx1UVLVUSh8kSEWdGPPja1Klk
pRQdag8Xl%2F7Lk20KsodAzv4Y9RxHSOaK3VBfj2uDM8rhWDABe96k3gvuth5E%2B
3JVogg%2FqutwU%3D@org-echo360-alpqa-
upload.s3.amazonaws.com/c27b2b52-2427-485c-b1f3-511694d681d1/00-
1C-08-00-40-26/logs/{timestamp}</uri>
  <multipart-part-size-bytes>5500000</multipart-part-size-
bytes>
  <multipart-threshold-bytes>5600000</multipart-threshold-
bytes>
  <s3-reduced-redundancy>true</s3-reduced-redundancy>
  <wakeup-interval>300</wakeup-interval>
  <max-bytes-per-sec>2147483647</max-bytes-per-sec>
  <max-saved-size>200</max-saved-size>
</service>    <service>
  <name>task manager</name>
  <version>5.5.558149484</version>
  <command>echo task manager</command>
  <background-service>true</background-service>
  <files>
    <file>
      <name>device.xml</name>
      <category>static-config</category>
      <uri>https://org-echo360-alpqa-
download.s3.amazonaws.com/00-1C-08-00-40-
26/{hash} device.xml</uri>
      <hash-on-status>true</hash-on-status>

```

```

    </file>          <file>
      <name>tasks.xml</name>
      <category>dynamic-config</category>
      <uri>https://org-echo360-alpqa-
download.s3.amazonaws.com/00-1C-08-00-40-
26/{hash} tasks.xml</uri>
      <hash-on-status>true</hash-on-status>
    </file>
  </files>
  <status-uri>https://echo360qa.org/device api/device/00-1C-
08-00-40-26/status?institutionId=c27b2b52-2427-485c-b1f3-
511694d681d1&time={seconds}&signature={hmac}</status-uri>
  <status-interval>10</status-interval>
  <status-failure-interval>60</status-failure-interval>
  <prestart-time>3</prestart-time>
  <preroll-time>300</preroll-time>
  <stopping-time>1</stopping-time>
</service>
</services>

<signature>HmacSHA256:93dc33a18eee05687c35cec03b243f6408b9539398e
7acfedb0fef85c2e5cdeb</signature>
</device>

```

## Get Device Processes Response XML

The below is the Response XML from the call defined in [section 3.2.9 - Get Device Processes](#) of this document.

```

<head><meta http-equiv="refresh" content="5"></head><pre>top -
17:22:13 up 12 min,  0 users,  load average: 0.02, 0.51, 0.80
Tasks: 111 total,   1 running, 109 sleeping,   0 stopped,   1
zombie
Cpu(s):  2.0%us,   2.7%sy,   1.0%ni, 93.7%id,   0.5%wa,   0.0%hi,
0.0%si,   0.0%st
Mem:   894484k total,   190728k used,   703756k free,   3300k
buffers
Swap: 2097148k total,         0k used, 2097148k free, 134496k
cached

  PID USER      PR  NI  VIRT  RES  SHR  S  %CPU  %MEM    TIME+
COMMAND
24567 root        30  10  2568 1052  804  R   2    0.1   0:00.01 top
   1 root        20   0  1744  588  516  S   0    0.1   0:04.67 init
   2 root        20   0    0    0    0  S   0    0.0   0:00.00
kthreadd
   3 root        20   0    0    0    0  S   0    0.0   0:00.00
ksoftirqd/0

```

4 root migration/0	RT	0	0	0	0 S	0	0.0	0:00.03	
5 root watchdog/0	RT	0	0	0	0 S	0	0.0	0:00.00	
6 root migration/1	RT	0	0	0	0 S	0	0.0	0:00.03	
7 root ksoftirqd/1	20	0	0	0	0 S	0	0.0	0:00.00	
8 root watchdog/1	RT	0	0	0	0 S	0	0.0	0:00.00	
9 root events/0	20	0	0	0	0 S	0	0.0	0:00.02	
10 root events/1	20	0	0	0	0 S	0	0.0	0:00.04	
11 root khelper	20	0	0	0	0 S	0	0.0	0:00.03	
16 root async/mgr	20	0	0	0	0 S	0	0.0	0:00.00	
142 root sync supers	20	0	0	0	0 S	0	0.0	0:00.00	
144 root default	20	0	0	0	0 S	0	0.0	0:00.00	bdi-
146 root kblockd/0	20	0	0	0	0 S	0	0.0	0:00.00	
147 root kblockd/1	20	0	0	0	0 S	0	0.0	0:00.03	
150 root	20	0	0	0	0 S	0	0.0	0:00.00	kacpid
151 root kacpi notify	20	0	0	0	0 S	0	0.0	0:00.01	
152 root kacpi hotplug	20	0	0	0	0 S	0	0.0	0:00.00	
249 root	20	0	0	0	0 S	0	0.0	0:00.00	khubd
252 root	20	0	0	0	0 S	0	0.0	0:00.01	
kseriod									
281 root rpciod/0	20	0	0	0	0 S	0	0.0	0:00.00	
282 root rpciod/1	20	0	0	0	0 S	0	0.0	0:00.00	
306 root khungtaskd	20	0	0	0	0 S	0	0.0	0:00.00	
307 root kswapd0	20	0	0	0	0 S	0	0.0	0:00.00	
308 root	20	0	0	0	0 S	0	0.0	0:00.00	aio/0
309 root	20	0	0	0	0 S	0	0.0	0:00.00	aio/1
310 root	20	0	0	0	0 S	0	0.0	0:00.00	nfsiod
311 root	20	0	0	0	0 S	0	0.0	0:00.00	
xfs mru cache									
312 root xfslogd/0	20	0	0	0	0 S	0	0.0	0:00.02	
313 root xfslogd/1	20	0	0	0	0 S	0	0.0	0:00.00	

314 root	20	0	0	0	0	S	0	0.0	0:00.01	
xfsdatatad/0										
315 root	20	0	0	0	0	S	0	0.0	0:00.00	
xfsdatatad/1										
316 root	20	0	0	0	0	S	0	0.0	0:00.00	
xfsconverttd/0										
317 root	20	0	0	0	0	S	0	0.0	0:00.00	
xfsconverttd/1										
318 root	20	0	0	0	0	S	0	0.0	0:00.00	
crypto/0										
319 root	20	0	0	0	0	S	0	0.0	0:00.00	
crypto/1										
508 root	20	0	0	0	0	S	0	0.0	0:00.00	
iscsi eh										
539 root	20	0	0	0	0	S	0	0.0	0:00.00	
kpsmoused										
1102 root	20	0	0	0	0	S	0	0.0	0:00.00	
ata aux										
1103 root	20	0	0	0	0	S	0	0.0	0:00.00	
ata sff/0										
1104 root	20	0	0	0	0	S	0	0.0	0:00.00	
ata sff/1										
4314 root	20	0	0	0	0	S	0	0.0	0:00.00	
scsi eh 0										
4317 root	20	0	0	0	0	S	0	0.0	0:00.00	
scsi eh 1										
6694 root	20	0	0	0	0	S	0	0.0	0:00.00	
scsi tgttd/0										
6695 root	20	0	0	0	0	S	0	0.0	0:00.00	
scsi tgttd/1										
7300 root	20	0	0	0	0	S	0	0.0	0:00.00	
cciss scan										
9390 root	20	0	0	0	0	S	0	0.0	0:00.00	
usbhid resumer										
9664 root	20	0	0	0	0	S	0	0.0	0:00.00	
khpsbpkt										
10233 root	20	0	0	0	0	S	0	0.0	0:00.00	
kstriped										
10857 root	20	0	0	0	0	S	0	0.0	0:00.00	ksnapd
12080 root	20	0	0	0	0	S	0	0.0	0:00.00	jfsIO
12081 root	20	0	0	0	0	S	0	0.0	0:00.00	
jfsCommit										
12082 root	20	0	0	0	0	S	0	0.0	0:00.00	
jfsCommit										
12083 root	20	0	0	0	0	S	0	0.0	0:00.00	
jfsSync										
12755 root	20	0	0	0	0	S	0	0.0	0:00.00	
kjournald										
12848 root	16	-4	2168	896	532	S	0	0.1	0:00.21	udev
18362 root	20	0	0	0	0	S	0	0.0	0:00.00	flush-
8:0										

18948	root	20	0	0	0	0	S	0	0.0	0:00.02	
kjournald											
19361	root	20	0	2984	1240	1056	S	0	0.1	0:00.30	gb-
console.sh											
19876	root	20	0	1904	708	576	S	0	0.1	0:00.08	
syslogd											
19887	root	20	0	1744	404	328	S	0	0.0	0:00.02	klogd
20970	root	20	0	1768	388	308	S	0	0.0	0:00.01	
ifplugd											
21101	bin	20	0	1764	476	388	S	0	0.1	0:00.00	
portmap											
21520	nobody	20	0	1832	700	600	S	0	0.1	0:00.00	
rpc.statd											
21587	root	20	0	2028	824	636	S	0	0.1	0:00.00	
rpc.mountd											
21589	root	20	0	0	0	0	S	0	0.0	0:00.00	lockd
21590	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21591	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21592	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21593	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21594	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21595	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21596	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21597	root	20	0	0	0	0	S	0	0.0	0:00.00	nfsd
21997	root	20	0	2032	728	588	S	0	0.1	0:00.00	cron
22278	root	20	0	1964	372	216	S	0	0.0	0:00.00	dhcpcd
22628	root	20	0	4076	920	616	S	0	0.1	0:00.00	sshd
22675	root	20	0	0	0	0	S	0	0.0	0:00.00	sysfsd
22708	root	20	0	2832	792	688	S	0	0.1	0:00.00	
tun pci											
22709	root	20	0	2832	544	460	S	0	0.1	0:00.00	
tun pci											
22710	root	20	0	3096	992	856	S	0	0.1	0:00.00	
timesync											
23011	root	20	0	2956	780	676	S	0	0.1	0:00.00	
armMonitor											
23014	root	20	0	0	0	0	S	0	0.0	0:00.00	
xfsbufd/sda4											
23016	root	20	0	0	0	0	S	0	0.0	0:00.00	
xfsaild/sda4											
23017	root	20	0	0	0	0	S	0	0.0	0:00.00	
xfssyncd/sda4											
23030	root	20	0	4552	1624	1316	S	0	0.2	0:00.02	
echo spinner											
23042	root	20	0	1900	784	668	S	0	0.1	0:00.00	agetty
23043	root	20	0	1900	784	668	S	0	0.1	0:00.00	agetty
23044	root	20	0	1900	780	668	S	0	0.1	0:00.00	agetty
23045	root	20	0	1900	776	668	S	0	0.1	0:00.00	agetty
23046	root	20	0	1900	780	668	S	0	0.1	0:00.00	agetty
23047	root	20	0	1900	780	668	S	0	0.1	0:00.00	agetty



```

23048 root      20    0  6576 3812 2836 S    0  0.4  0:07.05
echo task manag
23090 root      20    0    0    0    0 Z    0  0.0  0:00.00 ntpd
<defunct>
23092 root      20    0  4136 1176  876 S    0  0.1  0:00.02 ntpd
23104 root      30   10  5728 2852 2340 S    0  0.3  0:03.94
echo adhoc cont
23106 root      30   10  4648 1844 1512 S    0  0.2  0:07.80
echo system sta
23108 root      30   10  5340 1800 1472 S    0  0.2  0:00.14
echo upload con
23112 root      30   10  5488 2528 2148 S    0  0.3  0:00.30
echo upload log
23151 root      18   -2  2308  796  288 S    0  0.1  0:00.00 udevd
23152 root      18   -2  2308  796  288 S    0  0.1  0:00.00 udevd
23966 root      30   10  8156 3696 2260 S    0  0.4  0:00.98
echo restapi
23967 root      30   10  8156 3696 2260 S    0  0.4  0:01.04
echo restapi
23968 root      30   10  8236 3840 2316 S    0  0.4  0:00.99
echo restapi
23969 root      30   10  8156 3708 2272 S    0  0.4  0:01.02
echo restapi
23970 root      30   10  8156 3476 2072 S    0  0.4  0:00.15
echo restapi
23973 root      30   10  4228 1880 1544 S    0  0.2  0:00.00
echo nginx
23974 root      30   10  4564 1936 1288 S    0  0.2  0:07.09
echo nginx
24568 root      20    0  1732  244  196 S    0  0.0  0:00.00 sleep
</pre>

```

## Get Device Message Buffer Response XML

The below is the Response XML from the call defined in [section 3.2.10 - Get Device Message Buffer](#) of this document.

```

<pre>ci 0000:00:1e.0:  bridge window [io 0x0d00-0xffff]
(subtractive decode)
pci 0000:00:1e.0:  bridge window [mem 0x000a0000-0x000bffff]
(subtractive decode)
pci 0000:00:1e.0:  bridge window [mem 0x000d0000-0x000dffff]
(subtractive decode)
pci 0000:00:1e.0:  bridge window [mem 0x3f800000-0xdfffffff]
(subtractive decode)
pci 0000:00:1e.0:  bridge window [mem 0xe4000000-0xfed8ffff]
(subtractive decode)
pci bus 0000:00: on NUMA node 0
ACPI: PCI Interrupt Routing Table [\_SB_.PCI0._PRT]

```

```

ACPI: PCI Interrupt Routing Table [\ SB .PCI0.P0P1. PRT]
ACPI: PCI Interrupt Routing Table [\ SB .PCI0.P0P4. PRT]
ACPI: PCI Interrupt Routing Table [\ SB .PCI0.P0P7. PRT]
ACPI: PCI Interrupt Link [LNKA] (IRQs *10)
ACPI: PCI Interrupt Link [LNKB] (IRQs *3)
ACPI: PCI Interrupt Link [LNKC] (IRQs *5)
ACPI: PCI Interrupt Link [LNKD] (IRQs *11)
ACPI: Invalid PRS IRQ 0
ACPI: PCI Interrupt Link [LNKE] (IRQs) *0, disabled.
ACPI: PCI Interrupt Link [LNKF] (IRQs *7)
ACPI: PCI Interrupt Link [LNKG] (IRQs *4)
ACPI: PCI Interrupt Link [LNKH] (IRQs *12)
vgaarb: device added:
PCI:0000:00:02.0, decodes=io+mem, owns=io+mem, locks=none
vgaarb: loaded
SCSI subsystem initialized
usbcore: registered new interface driver usbfs
usbcore: registered new interface driver hub
usbcore: registered new device driver usb
PCI: Using ACPI for IRQ routing
PCI: pci cache line size set to 64 bytes
Expanded resource reserved due to conflict with PCI Bus 0000:00
reserve RAM buffer: 000000000009fc00 - 000000000009ffff
reserve RAM buffer: 000000003f7c0000 - 000000003fffffff
hpet clockevent registered
Switching to clocksource tsc
pnp: PnP ACPI init
ACPI: bus type pnp registered
pnp: PnP ACPI: found 12 devices
ACPI: ACPI bus type pnp unregistered
system 00:01: [mem 0xfed13000-0xfed19fff] has been reserved
system 00:06: [io 0x04d0-0x04d1] has been reserved
system 00:06: [io 0x0800-0x087f] has been reserved
system 00:06: [io 0x0480-0x04bf] has been reserved
system 00:06: [mem 0xfed1c000-0xfed1ffff] has been reserved
system 00:06: [mem 0xfed20000-0xfed3ffff] has been reserved
system 00:06: [mem 0xfed40000-0xfed8ffff] has been reserved
system 00:09: [mem 0xfec00000-0xfec00fff] could not be reserved
system 00:09: [mem 0xfec00000-0xfec00fff] has been reserved
system 00:0a: [mem 0xe0000000-0xe3ffffff] has been reserved
system 00:0b: [mem 0x00000000-0x0009ffff] could not be reserved
system 00:0b: [mem 0x000c0000-0x000cffff] could not be reserved
system 00:0b: [mem 0x000e0000-0x000fffff] could not be reserved
system 00:0b: [mem 0x00100000-0x3f7fffff] could not be reserved
system 00:0b: [mem 0xfed90000-0xffffffff] could not be reserved
pci 0000:00:1c.0: BAR 8: assigned [mem 0x3f800000-0x3f9fffff]
pci 0000:00:1c.0: BAR 9: assigned [mem 0x3fa00000-0x3fbfffff 64bit
pref]
pci 0000:00:1c.0: BAR 7: assigned [io 0x1000-0x1fff]
pci 0000:00:1c.0: PCI bridge to [bus 01-01]
pci 0000:00:1c.0: bridge window [io 0x1000-0x1fff]

```

```

pci 0000:00:1c.0: bridge window [mem 0x3f800000-0x3f9fffff]
pci 0000:00:1c.0: bridge window [mem 0x3fa00000-0x3fbfffff 64bit
pref]
pci 0000:00:1c.3: PCI bridge to [bus 02-02]
pci 0000:00:1c.3: bridge window [io 0xe000-0xefff]
pci 0000:00:1c.3: bridge window [mem 0xfd000000-0xfdffffff]
pci 0000:00:1c.3: bridge window [mem 0xfa700000-0xfa7fffff 64bit
pref]
pci 0000:00:1e.0: PCI bridge to [bus 03-03]
pci 0000:00:1e.0: bridge window [io disabled]
pci 0000:00:1e.0: bridge window [mem 0xfe000000-0xfebfffff]
pci 0000:00:1e.0: bridge window [mem 0xfa800000-0xfcffffff 64bit
pref]
pci 0000:00:1c.0: enabling device (0104 -> 0107)
pci 0000:00:1c.0: PCI INT A -> GSI 16 (level, low) -> IRQ 16
pci 0000:00:1c.0: setting latency timer to 64
pci 0000:00:1c.3: PCI INT D -> GSI 19 (level, low) -> IRQ 19
pci 0000:00:1c.3: setting latency timer to 64
pci 0000:00:1e.0: setting latency timer to 64
pci bus 0000:00: resource 4 [io 0x0000-0x0cf7]
pci bus 0000:00: resource 5 [io 0x0d00-0xffff]
pci bus 0000:00: resource 6 [mem 0x000a0000-0x000bffff]
pci bus 0000:00: resource 7 [mem 0x000d0000-0x000dffff]
pci bus 0000:00: resource 8 [mem 0x3f800000-0xdffffff]
pci bus 0000:00: resource 9 [mem 0xe4000000-0xfed8ffff]
pci bus 0000:01: resource 0 [io 0x1000-0x1fff]
pci bus 0000:01: resource 1 [mem 0x3f800000-0x3f9fffff]
pci bus 0000:01: resource 2 [mem 0x3fa00000-0x3fbfffff 64bit pref]
pci bus 0000:02: resource 0 [io 0xe000-0xefff]
pci bus 0000:02: resource 1 [mem 0xfd000000-0xfdffffff]
pci bus 0000:02: resource 2 [mem 0xfa700000-0xfa7fffff 64bit pref]
pci bus 0000:03: resource 1 [mem 0xfe000000-0xfebfffff]
pci bus 0000:03: resource 2 [mem 0xfa800000-0xfcffffff 64bit pref]
pci bus 0000:03: resource 4 [io 0x0000-0x0cf7]
pci bus 0000:03: resource 5 [io 0x0d00-0xffff]
pci bus 0000:03: resource 6 [mem 0x000a0000-0x000bffff]
pci bus 0000:03: resource 7 [mem 0x000d0000-0x000dffff]
pci bus 0000:03: resource 8 [mem 0x3f800000-0xdffffff]
pci bus 0000:03: resource 9 [mem 0xe4000000-0xfed8ffff]
NET: Registered protocol family 2
IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
TCP established hash table entries: 131072 (order: 8, 1048576
bytes)
TCP bind hash table entries: 65536 (order: 7, 524288 bytes)
TCP: Hash tables configured (established 131072 bind 65536)
TCP reno registered
UDP hash table entries: 512 (order: 2, 16384 bytes)
UDP-Lite hash table entries: 512 (order: 2, 16384 bytes)
NET: Registered protocol family 1
RPC: Registered udp transport module.
RPC: Registered tcp transport module.

```

```
RPC: Registered tcp NFSv4.1 backchannel transport module.
pci 0000:00:02.0: Boot video device
PCI: CLS 32 bytes, default 64
Trying to unpack rootfs image as initramfs...
Freeing initrd memory: 2724k freed
bigphysarea: Allocated 32768 pages at 0xc220c000.
highmem bounce pool size: 64 pages
VFS: Disk quotas dquot 6.5.2
Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)
squashfs: version 4.0 (2009/01/31) Phillip Lougher
Installing knfsd (copyright (C) 1996 okir@monad.swb.de).
NTFS driver 2.1.29 [Flags: R/O].
SGI XFS with ACLs, security attributes, realtime, large block/inode
numbers, no debug enabled
SGI XFS Quota Management subsystem
msgmni has been set to 1490
alg: No test for stdrng (krng)
Block layer SCSI generic (bsg) driver version 0.4 loaded (major
254)
io scheduler noop registered
io scheduler deadline registered (default)
pcieport 0000:00:1c.0: setting latency timer to 64
pcieport 0000:00:1c.3: setting latency timer to 64
intel rng: FWH not detected
Linux agpgart interface v0.103
Serial: 8250/16550 driver, 4 ports, IRQ sharing enabled
brd: module loaded
loop: module loaded
Uniform Multi-Platform E-IDE driver
ide generic: please use "probe mask=0x3f" module parameter for
probing all legacy ISA IDE ports
ide-gd driver 1.18
ide-cd driver 5.00
Loading iSCSI transport class v2.0-870.
iscsi: registered transport (tcp)
SCSI Media Changer driver v0.25
Atheros(R) L2 Ethernet Driver - version 2.2.3
Copyright (c) 2007 Atheros Corporation.
jme: JMicron JMC2XX ethernet driver version 1.0.6
aoe: AoE v47 initialised.
usbcore: registered new interface driver usbserial
USB Serial support registered for generic
usbcore: registered new interface driver usbserial generic
usbserial: USB Serial Driver core
USB Serial support registered for pl2303
usbcore: registered new interface driver pl2303
pl2303: Prolific PL2303 USB to serial adaptor driver
PNP: No PS/2 controller found. Probing ports directly.
Failed to disable AUX port, but continuing anyway... Is this a SiS?
If AUX port is really absent please use the 'i8042.noaux' option.
serio: i8042 KBD port at 0x60,0x64 irq 1
```

```

mice: PS/2 mouse device common for all mice
i2c /dev entries driver
i2c-core: driver [dev driver] registered
cpuidle: using governor ladder
ioatdma: Intel(R) QuickData Technology Driver 4.00
TCP cubic registered
NET: Registered protocol family 17
Using IPI Shortcut mode
Freeing unused kernel memory: 376k freed
Write protecting the kernel text: 3392k
Write protecting the kernel read-only data: 1156k
libata version 3.00 loaded.
Error: Driver 'pata platform' is already registered, aborting...
ata piix 0000:00:1f.2: version 2.13
ata piix 0000:00:1f.2: PCI INT B -> GSI 19 (level, low) -> IRQ 19
ata piix 0000:00:1f.2: MAP [ P0 P2 IDE IDE ]
ata piix 0000:00:1f.2: setting latency timer to 64
scsi0 : ata piix
scsil : ata piix
ata1: SATA max UDMA/133 cmd 0x1f0 ctl 0x3f6 bmdma 0xffa0 irq 14
ata2: PATA max UDMA/100 cmd 0x170 ctl 0x376 bmdma 0xffa8 irq 15
ata1.00: ATA-8: WDC WD5000AVDS-73U7B1, 01.00A01, max UDMA/133
ata1.00: 976773168 sectors, multi 16: LBA48 NCQ (depth 0/32)
ata1.00: configured for UDMA/133
scsi 0:0:0:0: Direct-Access          ATA                WDC WD5000AVDS-7 01.0 PQ:
0 ANSI: 5
sd 0:0:0:0: [sda] 976773168 512-byte logical blocks: (500 GB/465
GiB)
sd 0:0:0:0: [sda] Write Protect is off
sd 0:0:0:0: [sda] Mode Sense: 00 3a 00 00
sd 0:0:0:0: [sda] Write cache: enabled, read cache: enabled,
doesn't support DPO or FUA
   sda1 sda2 sda3 sda4
sd 0:0:0:0: [sda] Attached SCSI disk
sd 0:0:0:0: Attached scsi generic sg0 type 0
scsi: <fdomain> Detection failed (no card)
GDT-HA: Storage RAID Controller Driver. Version: 3.05
Fusion MPT base driver 3.04.15
Copyright (c) 1999-2008 LSI Corporation
Fusion MPT SPI Host driver 3.04.15
Fusion MPT FC Host driver 3.04.15
Fusion MPT SAS Host driver 3.04.15
3ware Storage Controller device driver for Linux v1.26.02.003.
3ware 9000 Storage Controller device driver for Linux v2.26.02.014.
Compaq SMART2 Driver (v 2.6.0)
HP CISS Driver (v 3.6.20)
Adaptec aacraid driver 1.1-5[26400]-ms
megaraid cmm: 2.20.2.7 (Release Date: Sun Jul 16 00:01:03 EST 2006)
megaraid: 2.20.5.1 (Release Date: Thu Nov 16 15:32:35 EST 2006)
megasas: 00.00.04.17.1-rc1 Thu. Oct. 29, 11:41:51 PST 2009
QLogic Fibre Channel HBA Driver: 8.03.02-k2

```

```
Emulex LightPulse Fibre Channel SCSI driver 8.3.12
Copyright(c) 2004-2009 Emulex. All rights reserved.
aic94xx: Adaptec aic94xx SAS/SATA driver version 1.0.3 loaded
ehci hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
ehci hcd 0000:00:1d.7: PCI INT A -> GSI 23 (level, low) -> IRQ 23
ehci hcd 0000:00:1d.7: setting latency timer to 64
ehci hcd 0000:00:1d.7: EHCI Host Controller
ehci hcd 0000:00:1d.7: new USB bus registered, assigned bus number
1
ehci hcd 0000:00:1d.7: using broken periodic workaround
ehci hcd 0000:00:1d.7: debug port 1
ehci hcd 0000:00:1d.7: cache line size of 32 is not supported
ehci hcd 0000:00:1d.7: irq 23, io mem 0xfde3bc00
ehci hcd 0000:00:1d.7: USB 2.0 started, EHCI 1.00
usb usb1: New USB device found, idVendor=1d6b, idProduct=0002
usb usb1: New USB device strings: Mfr=3, Product=2, SerialNumber=1
usb usb1: Product: EHCI Host Controller
usb usb1: Manufacturer: Linux 2.6.35-gentoo-r4 ehci hcd
usb usb1: SerialNumber: 0000:00:1d.7
hub 1-0:1.0: USB hub found
hub 1-0:1.0: 8 ports detected
Initializing USB Mass Storage driver...
usbcore: registered new interface driver usb-storage
USB Mass Storage support registered.
uhci hcd: USB Universal Host Controller Interface driver
uhci hcd 0000:00:1d.0: PCI INT A -> GSI 23 (level, low) -> IRQ 23
uhci hcd 0000:00:1d.0: setting latency timer to 64
uhci hcd 0000:00:1d.0: UHCI Host Controller
uhci hcd 0000:00:1d.0: new USB bus registered, assigned bus number
2
uhci hcd 0000:00:1d.0: irq 23, io base 0x0000d880
usb usb2: New USB device found, idVendor=1d6b, idProduct=0001
usb usb2: New USB device strings: Mfr=3, Product=2, SerialNumber=1
usb usb2: Product: UHCI Host Controller
usb usb2: Manufacturer: Linux 2.6.35-gentoo-r4 uhci hcd
usb usb2: SerialNumber: 0000:00:1d.0
hub 2-0:1.0: USB hub found
hub 2-0:1.0: 2 ports detected
uhci hcd 0000:00:1d.1: PCI INT B -> GSI 19 (level, low) -> IRQ 19
uhci hcd 0000:00:1d.1: setting latency timer to 64
uhci hcd 0000:00:1d.1: UHCI Host Controller
uhci hcd 0000:00:1d.1: new USB bus registered, assigned bus number
3
uhci hcd 0000:00:1d.1: irq 19, io base 0x0000d800
usb usb3: New USB device found, idVendor=1d6b, idProduct=0001
usb usb3: New USB device strings: Mfr=3, Product=2, SerialNumber=1
usb usb3: Product: UHCI Host Controller
usb usb3: Manufacturer: Linux 2.6.35-gentoo-r4 uhci hcd
usb usb3: SerialNumber: 0000:00:1d.1
hub 3-0:1.0: USB hub found
hub 3-0:1.0: 2 ports detected
```

```

uhci hcd 0000:00:1d.2: PCI INT C -> GSI 18 (level, low) -> IRQ 18
uhci hcd 0000:00:1d.2: setting latency timer to 64
uhci hcd 0000:00:1d.2: UHCI Host Controller
uhci hcd 0000:00:1d.2: new USB bus registered, assigned bus number
4
uhci hcd 0000:00:1d.2: irq 18, io base 0x0000d480
usb usb4: New USB device found, idVendor=1d6b, idProduct=0001
usb usb4: New USB device strings: Mfr=3, Product=2, SerialNumber=1
usb usb4: Product: UHCI Host Controller
usb usb4: Manufacturer: Linux 2.6.35-gentoo-r4 uhci hcd
usb usb4: SerialNumber: 0000:00:1d.2
hub 4-0:1.0: USB hub found
hub 4-0:1.0: 2 ports detected
uhci hcd 0000:00:1d.3: PCI INT D -> GSI 16 (level, low) -> IRQ 16
uhci hcd 0000:00:1d.3: setting latency timer to 64
uhci hcd 0000:00:1d.3: UHCI Host Controller
uhci hcd 0000:00:1d.3: new USB bus registered, assigned bus number
5
uhci hcd 0000:00:1d.3: irq 16, io base 0x0000d400
usb usb5: New USB device found, idVendor=1d6b, idProduct=0001
usb usb5: New USB device strings: Mfr=3, Product=2, SerialNumber=1
usb usb5: Product: UHCI Host Controller
usb usb5: Manufacturer: Linux 2.6.35-gentoo-r4 uhci hcd
usb usb5: SerialNumber: 0000:00:1d.3
hub 5-0:1.0: USB hub found
hub 5-0:1.0: 2 ports detected
ohci hcd: USB 1.1 'Open' Host Controller (OHCI) Driver
usbcore: registered new interface driver hiddev
usbcore: registered new interface driver usbhid
usbhid: USB HID core driver
sl811: driver sl811-hcd, 19 May 2005
device-mapper: uevent: version 1.0.3
device-mapper: ioctl: 4.17.0-ioctl (2010-03-05) initialised: dm-
devel@redhat.com
md: raid0 personality registered for level 0
md: raid1 personality registered for level 1
raid6: int32x1      164 MB/s
raid6: int32x2      257 MB/s
raid6: int32x4      269 MB/s
raid6: int32x8      281 MB/s
raid6: mmxx1       359 MB/s
raid6: mmxx2       664 MB/s
raid6: sse1x1      289 MB/s
raid6: sse1x2      496 MB/s
raid6: sse2x1      574 MB/s
raid6: sse2x2      984 MB/s
raid6: using algorithm sse2x2 (984 MB/s)
async tx: api initialized (async)
xor: automatically using best checksumming function: pIII sse
  pIII sse : 4896.000 MB/sec
xor: using function: pIII_sse (4896.000 MB/sec)

```

```

md: raid6 personality registered for level 6
md: raid5 personality registered for level 5
md: raid4 personality registered for level 4
md: raid10 personality registered for level 10
JFS: nTxBlock = 6988, nTxLock = 55905
fuse init (API version 7.14)
e1000: Intel(R) PRO/1000 Network Driver - version 7.3.21-k6-NAPI
e1000: Copyright (c) 1999-2006 Intel Corporation.
EXT3-fs: barriers not enabled
kjournald starting. Commit interval 5 seconds
EXT3-fs (sda3): mounted filesystem with writeback data mode
udev: starting version 151
Real Time Clock Driver v1.12b
request module: runaway loop modprobe eth0
request module: runaway loop modprobe eth0
request module: runaway loop modprobe eth0
request module: runaway loop modprobe eth0
request module: runaway loop modprobe eth0
i801 smbus 0000:00:1f.3: PCI INT B -> GSI 19 (level, low) -> IRQ 19
i801 smbus 0000:00:1f.3: SMBus using PCI Interrupt
i2c i2c-0: adapter [SMBus I801 adapter at 0400] registered
i2c-dev: adapter [SMBus I801 adapter at 0400] registered as minor 0
input: Power Button as
/devices/LNXSYSTM:00/LNXXSYBUS:00/PNP0C0C:00/input/input0
ACPI: Power Button [PWRB]
input: Power Button as
/devices/LNXSYSTM:00/LNXPWRBN:00/input/input1
ACPI: Power Button [PWRB]
r8169 Gigabit Ethernet driver 2.3LK-NAPI loaded
r8169 0000:02:00.0: PCI INT A -> GSI 19 (level, low) -> IRQ 19
r8169 0000:02:00.0: setting latency timer to 64
r8169 0000:02:00.0: no MSI. Back to INTx.
r8169 0000:02:00.0: eth0: RTL8168c/8111c at 0xfa3fa000,
00:1c:08:00:14:04, XID 1c2000c0 IRQ 19
ACPI: acpi idle registered with cpuidle
Monitor-Mwait will be used to enter C-1 state
thermal LNX_THERM:01: registered as thermal zone0
ACPI: Thermal Zone [THRM] (53 C)
Intel ICH 0000:00:1e.2: PCI INT A -> GSI 17 (level, low) -> IRQ 17
Intel ICH 0000:00:1e.2: setting latency timer to 64
AC'97 warm reset still in progress? [0x6]
Intel ICH 0000:00:1e.2: PCI INT A disabled
Intel ICH: probe of 0000:00:1e.2 failed with error -5
ACPI: AC Adapter [ADP1] (off-line)
ACPI: Fan [PFAN] (on)
EXT3-fs: barriers not enabled
kjournald starting. Commit interval 5 seconds
EXT3-fs (sda1): warning: maximal mount count reached, running
e2fsck is recommended
EXT3-fs (sda1): using internal journal
EXT3-fs (sda1): mounted filesystem with writeback data mode
  
```



```

NET: Registered protocol family 10
lo: Disabled Privacy Extensions
EXT3-fs (sda3): warning: maximal mount count reached, running
e2fsck is recommended
EXT3-fs (sda3): using internal journal
XFS mounting filesystem sda4
Ending clean XFS mount for filesystem: sda4
Adding 2097148k swap on /dev/sda2. Priority:-1 extents:1
across:2097148k
r8169 0000:02:00.0: eth0: link up
r8169 0000:02:00.0: eth0: link up
svc: failed to register lockdvl RPC service (errno 97).
tun: Universal TUN/TAP device driver, 1.6
tun: (C) 1999-2004 Max Krasnyansky <maxk@qualcomm.com>
eth0: no IPv6 routers present
gbpci init() enter, Ghostbuster model=0x0003 ====
gbpci init() creating char drv class 'gb'
gbpci init() registering PCI driver
gbpci probe() 0003:04.0
gbpci probe() 0003:04.0 is 'gb-pci0'
gbcard add conduit(gb-pci0,id=0
'graphics0',offset=0x00000370,size=0x00800000)
gbcard add conduit(gb-pci0,id=1
'graphics1',offset=0x00800380,size=0x00800000)
gbcard add conduit(gb-pci0,id=2
'audio',offset=0x01000390,size=0x00200000)
gbcard add conduit(gb-pci0,id=3
'command',offset=0x012003A0,size=0x00100000)
gbcard add conduit(gb-pci0,id=4
'reply',offset=0x013003B0,size=0x00100000)
gbcard add conduit(gb-pci0,id=5
'status',offset=0x014003C0,size=0x00100000)
gbcard add conduit(gb-pci0,id=6
'log',offset=0x015003D0,size=0x00100000)
gbcard add conduit(gb-pci0,id=7
'timesync',offset=0x016003E0,size=0x00000010)
gbcard add conduit(gb-pci0,id=8
'netfromhost',offset=0x01600400,size=0x00100000)
gbcard add conduit(gb-pci0,id=9
'nettohost',offset=0x01700410,size=0x00100000)
gbcard add conduit(gb-pci0,id=10
'ledcontrol',offset=0x01800420,size=0x00000400)
gbcard init as pci dev() enter
gbcard init as pci dev() pci enable device
gb 0000:03:04.0: PCI INT A -> GSI 21 (level, low) -> IRQ 21
gbcard init as pci dev() mapping 6467 BARs into kernel space
gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=0)

```

BAR Name	BaseAddr	Length	Flags
Virtual			

```
TCM RAM 0xfebf8000 | 32768 | 0x00040200 |
0xfa5e0000
EMIF REGS 0xfebf0000 | 32768 | 0x00040200
| 0xfa5f0000
CHIP MMR 0xfe400000 | 4194304 | 0x00040200
| 0xfb000000
L2 RAM 0xfcf00000 | 131072 | 0x00042208 |
0xfafc0000
DDR2 A 0xf0000000 | 8388608 | 0x00042208 |
0xfb480000
DDR2 B 0xfb800000 | 8388608 | 0x00042208 |
0xfb000000
```

```
gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=0) success
gbcard init as pci dev() request irq 21
gbcard init as pci dev() init PCI device success
init channel status data() creating init channel status data for
card 0
gbpci probe() 0003:04.0 (index=0/1) success
gbpci probe() 0003:05.0
gbpci probe() 0003:05.0 is 'gb-pci1'
gbcard add conduit(gb-pci1,id=0
'graphics0',offset=0x00000370,size=0x00800000)
gbcard add conduit(gb-pci1,id=1
'graphics1',offset=0x00800380,size=0x00800000)
gbcard add conduit(gb-pci1,id=2
'audio',offset=0x01000390,size=0x00200000)
gbcard add conduit(gb-pci1,id=3
'command',offset=0x012003A0,size=0x00100000)
gbcard add conduit(gb-pci1,id=4
'reply',offset=0x013003B0,size=0x00100000)
gbcard add conduit(gb-pci1,id=5
'status',offset=0x014003C0,size=0x00100000)
gbcard add conduit(gb-pci1,id=6
'log',offset=0x015003D0,size=0x00100000)
gbcard add conduit(gb-pci1,id=7
'timesync',offset=0x016003E0,size=0x00000010)
gbcard add conduit(gb-pci1,id=8
'netfromhost',offset=0x01600400,size=0x00100000)
gbcard add conduit(gb-pci1,id=9
'nettohost',offset=0x01700410,size=0x00100000)
gbcard add conduit(gb-pci1,id=10
'ledcontrol',offset=0x01800420,size=0x00000400)
gbcard init as pci dev() enter
gbcard init as pci dev() pci enable device
gb 0000:03:05.0: PCI INT A -> GSI 22 (level, low) -> IRQ 22
gbcard init as pci dev() mapping 6467 BARs into kernel space
gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=1)
```

BAR Name	BaseAddr	Length	Flags
Virtual TCM RAM	0xfebe8000   0xfaf90000	32768	0x00040200
EMIF REGS	0xfebe0000   0xfafa0000	32768	0x00040200
CHIP MMR	0xfe000000   0xfc580000	4194304	0x00040200
L2 RAM	0xfcfc0000   0xfb440000	131072	0x00042208
DDR2 A	0xfb000000   0xfca00000	8388608	0x00042208
DDR2 B	0xfa800000   0xfd280000	8388608	0x00042208

```

gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=1) success
gbcard init as pci dev() request irq 22
gbcard init as pci dev() init PCI device success
init channel status data() creating init channel status data for
card 1
gbpci probe() 0003:05.0 (index=1/2) success
gbpci init() ==== Ghostbuster PCI module successfully loaded ====
gbpci remove() 0003:04.0 'gb-pci0'
gbcard destroy pci() destroy PCI device
gbcard destroy pci() remove magic info from TCM RAM
gbcard destroy pci() release PCI irq 21
gbcard destroy pci() unmapping PCI bars, releasing mem regions
gbcard destroy pci() disable PCI device
gb 0000:03:04.0: PCI INT A disabled
gbcard destroy pci() Finished destroying PCI device.
gbcard destroy char() maj/min/cnt=247/0/11
gbpci remove() done; 1 cards remaining.
gbpci remove() 0003:05.0 'gb-pci1'
gbcard destroy pci() destroy PCI device
gbcard destroy pci() remove magic info from TCM RAM
gbcard destroy pci() release PCI irq 22
gbcard destroy pci() unmapping PCI bars, releasing mem regions
gbcard destroy pci() disable PCI device
gb 0000:03:05.0: PCI INT A disabled
gbcard destroy pci() Finished destroying PCI device.
gbcard destroy char() maj/min/cnt=247/11/11
gbpci remove() done; 0 cards remaining.
pci 0000:03:04.0: reg 10: [mem 0x00000000-0x00007fff]
pci 0000:03:04.0: reg 14: [mem 0x00000000-0x00007fff]
pci 0000:03:04.0: reg 18: [mem 0x00000000-0x003fffff]
pci 0000:03:04.0: reg 1c: [mem 0x00000000-0x0001ffff pref]
pci 0000:03:04.0: reg 20: [mem 0x00000000-0x007fffff pref]
pci 0000:03:04.0: reg 24: [mem 0x00000000-0x007fffff pref]
pci 0000:03:05.0: reg 10: [mem 0x00000000-0x00007fff]
pci 0000:03:05.0: reg 14: [mem 0x00000000-0x00007fff]

```

```
pci 0000:03:05.0: reg 18: [mem 0x00000000-0x003fffff]
pci 0000:03:05.0: reg 1c: [mem 0x00000000-0x0001ffff pref]
pci 0000:03:05.0: reg 20: [mem 0x00000000-0x007fffff pref]
pci 0000:03:05.0: reg 24: [mem 0x00000000-0x007fffff pref]
pci 0000:00:02.0: BAR 6: [??? 0x00000000 flags 0x2] has bogus
alignment
pci 0000:03:04.0: BAR 4: assigned [mem 0xfa800000-0xfafffffff pref]
pci 0000:03:04.0: BAR 4: set to [mem 0xfa800000-0xfafffffff pref]
(PCI address [0xfa800000-0xfafffffff])
pci 0000:03:04.0: BAR 5: assigned [mem 0xfb000000-0xfb7fffff pref]
pci 0000:03:04.0: BAR 5: set to [mem 0xfb000000-0xfb7fffff pref]
(PCI address [0xfb000000-0xfb7fffff])
pci 0000:03:05.0: BAR 4: assigned [mem 0xfb800000-0xfbfffffff pref]
pci 0000:03:05.0: BAR 4: set to [mem 0xfb800000-0xfbfffffff pref]
(PCI address [0xfb800000-0xfbfffffff])
pci 0000:03:05.0: BAR 5: assigned [mem 0xfc000000-0xfc7fffff pref]
pci 0000:03:05.0: BAR 5: set to [mem 0xfc000000-0xfc7fffff pref]
(PCI address [0xfc000000-0xfc7fffff])
pci 0000:03:04.0: BAR 2: assigned [mem 0xfe000000-0xfe3fffff]
pci 0000:03:04.0: BAR 2: set to [mem 0xfe000000-0xfe3fffff] (PCI
address [0xfe000000-0xfe3fffff])
pci 0000:03:05.0: BAR 2: assigned [mem 0xfe400000-0xfe7fffff]
pci 0000:03:05.0: BAR 2: set to [mem 0xfe400000-0xfe7fffff] (PCI
address [0xfe400000-0xfe7fffff])
pci 0000:03:04.0: BAR 3: assigned [mem 0xfc800000-0xfc81ffff pref]
pci 0000:03:04.0: BAR 3: set to [mem 0xfc800000-0xfc81ffff pref]
(PCI address [0xfc800000-0xfc81ffff])
pci 0000:03:05.0: BAR 3: assigned [mem 0xfc820000-0xfc83ffff pref]
pci 0000:03:05.0: BAR 3: set to [mem 0xfc820000-0xfc83ffff pref]
(PCI address [0xfc820000-0xfc83ffff])
pci 0000:03:04.0: BAR 0: assigned [mem 0xfe800000-0xfe807fff]
pci 0000:03:04.0: BAR 0: set to [mem 0xfe800000-0xfe807fff] (PCI
address [0xfe800000-0xfe807fff])
pci 0000:03:04.0: BAR 1: assigned [mem 0xfe808000-0xfe80ffff]
pci 0000:03:04.0: BAR 1: set to [mem 0xfe808000-0xfe80ffff] (PCI
address [0xfe808000-0xfe80ffff])
pci 0000:03:05.0: BAR 0: assigned [mem 0xfe810000-0xfe817fff]
pci 0000:03:05.0: BAR 0: set to [mem 0xfe810000-0xfe817fff] (PCI
address [0xfe810000-0xfe817fff])
pci 0000:03:05.0: BAR 1: assigned [mem 0xfe818000-0xfe81ffff]
pci 0000:03:05.0: BAR 1: set to [mem 0xfe818000-0xfe81ffff] (PCI
address [0xfe818000-0xfe81ffff])
gbpci probe() 0003:04.0
gbpci probe() 0003:04.0 is 'gb-pci0'
gbcard add conduit(gb-pci0,id=0
'graphics0',offset=0x00000370,size=0x00800000)
gbcard add conduit(gb-pci0,id=1
'graphics1',offset=0x00800380,size=0x00800000)
gbcard add conduit(gb-pci0,id=2
'audio',offset=0x01000390,size=0x00200000)
```

```

gbcard add conduit(gb-pci0,id=3
'command',offset=0x012003A0,size=0x00100000)
gbcard add conduit(gb-pci0,id=4
'reply',offset=0x013003B0,size=0x00100000)
gbcard add conduit(gb-pci0,id=5
'status',offset=0x014003C0,size=0x00100000)
gbcard add conduit(gb-pci0,id=6
'log',offset=0x015003D0,size=0x00100000)
gbcard add conduit(gb-pci0,id=7
'timesync',offset=0x016003E0,size=0x00000010)
gbcard add conduit(gb-pci0,id=8
'netfromhost',offset=0x01600400,size=0x00100000)
gbcard add conduit(gb-pci0,id=9
'nettohost',offset=0x01700410,size=0x00100000)
gbcard add conduit(gb-pci0,id=10
'ledcontrol',offset=0x01800420,size=0x00000400)
gbcard init as pci dev() enter
gbcard init as pci dev() pci enable device
gb 0000:03:04.0: enabling device (0000 -> 0002)
gb 0000:03:04.0: PCI INT A -> GSI 21 (level, low) -> IRQ 21
gb 0000:03:04.0: setting latency timer to 64
gbcard init as pci dev() mapping 6467 BARs into kernel space
gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=0)

```

BAR Name	BaseAddr	Length	Flags
Virtual			
TCM RAM	0xfe800000	32768	0x00040200
EMIF REGS	0xfe808000	32768	0x00040200
CHIP MMR	0xfe000000	4194304	0x00040200
L2 RAM	0xfc800000	131072	0x00042208
DDR2 A	0xfa800000	8388608	0x00042208
DDR2 B	0xfb000000	8388608	0x00042208

```

gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=0) success
gbcard init as pci dev() request irq 21
gbcard init as pci dev() init PCI device success
init channel status data() creating init channel status data for
card 0
gbpci probe() 0003:04.0 (index=0/1) success
gbpci probe() 0003:05.0
gbpci probe() 0003:05.0 is 'gb-pci1'
gbcard add conduit(gb-pci1,id=0
'graphics0',offset=0x00000370,size=0x00800000)

```

```

gbcard add conduit(gb-pci1,id=1
'graphics1',offset=0x00800380,size=0x00800000)
gbcard add conduit(gb-pci1,id=2
'audio',offset=0x01000390,size=0x00200000)
gbcard add conduit(gb-pci1,id=3
'command',offset=0x012003A0,size=0x00100000)
gbcard add conduit(gb-pci1,id=4
'reply',offset=0x013003B0,size=0x00100000)
gbcard add conduit(gb-pci1,id=5
'status',offset=0x014003C0,size=0x00100000)
gbcard add conduit(gb-pci1,id=6
'log',offset=0x015003D0,size=0x00100000)
gbcard add conduit(gb-pci1,id=7
'timesync',offset=0x016003E0,size=0x00000010)
gbcard add conduit(gb-pci1,id=8
'netfromhost',offset=0x01600400,size=0x00100000)
gbcard add conduit(gb-pci1,id=9
'nettohost',offset=0x01700410,size=0x00100000)
gbcard add conduit(gb-pci1,id=10
'ledcontrol',offset=0x01800420,size=0x00000400)
gbcard init as pci dev() enter
gbcard init as pci dev() pci enable device
gb 0000:03:05.0: enabling device (0000 -> 0002)
gb 0000:03:05.0: PCI INT A -> GSI 22 (level, low) -> IRQ 22
gb 0000:03:05.0: setting latency timer to 64
gbcard init as pci dev() mapping 6467 BARs into kernel space
gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=1)

```

BAR Name	BaseAddr	Length	Flags
Virtual			
TCM RAM	0xfe810000	32768	0x00040200
EMIF REGS	0xfe818000	32768	0x00040200
CHIP MMR	0xfe400000	4194304	0x00040200
L2 RAM	0xfc820000	131072	0x00042208
DDR2 A	0xfb800000	8388608	0x00042208
DDR2 B	0xfc000000	8388608	0x00042208

```

gbpci dm646x pci read bars() reading and mapping dm6467 BAR
resources (cindex=1) success
gbcard init as pci dev() request irq 22
gbcard init as pci dev() init PCI device success
init channel status data() creating init channel status data for
card 1
gbpci_probe() 0003:05.0 (index=1/2) success

```

```

gbpci dm646x pci remap bar() remapping bar 0 (TCM RAM) to new
window 0x10010000 (cindex=0)
gbpci dm646x run tcm img() running UBL image at TCM offset 0x20
(cindex=0)
gbpci dm646x run tcm img() placing offset of UBL image (0x20) into
magic location 0x10017E80 (virt 0xFAFB7E80)
gbpci dm646x run tcm img() ORing 0x01 against BOOTSTAT at virt
0xFDB40010.
gbpci dm646x run tcm img() running UBL at TCM offset 0x20 (abs
0x10010020), waiting for BC clear
gbpci dm646x run tcm img() running UBL image at TCM offset 0x20
(cindex=0) success
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x82000000 (cindex=0)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x8a000000 (cindex=0)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x8a800000 (cindex=0)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x89800000 (cindex=0)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x82000000 (cindex=0)
gbpci dm646x boot image() booting image at location 0x89f80000
(cindex=0)
gbpci dm646x pci remap bar() remapping bar 0 (TCM RAM) to new
window 0x10010000 (cindex=1)
gbpci dm646x run tcm img() running UBL image at TCM offset 0x20
(cindex=1)
gbpci dm646x run tcm img() placing offset of UBL image (0x20) into
magic location 0x10017E80 (virt 0xF8087E80)
gbpci dm646x run tcm img() ORing 0x01 against BOOTSTAT at virt
0xFA7C0010.
gbpci dm646x run tcm img() running UBL at TCM offset 0x20 (abs
0x10010020), waiting for BC clear
gbpci dm646x run tcm img() running UBL image at TCM offset 0x20
(cindex=1) success
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x82000000 (cindex=1)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x8a000000 (cindex=1)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x8a800000 (cindex=1)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x89800000 (cindex=1)
gbpci dm646x pci remap bar() remapping bar 4 (DDR2 A) to new window
0x82000000 (cindex=1)
gbpci dm646x boot image() booting image at location 0x89f80000
(cindex=1)
tun0: Disabled Privacy Extensions
tun1: Disabled Privacy Extensions
XFS mounting filesystem sda4

```

```
Ending clean XFS mount for filesystem: sda4
ip tables: (C) 2000-2006 Netfilter Core Team
nf conntrack version 0.5.0 (13976 buckets, 55904 max)
CONFIG NF CT ACCT is deprecated and will be removed soon. Please
use
nf conntrack.acct=1 kernel parameter, acct=1 nf conntrack module
option or
sysctl net.netfilter.nf conntrack acct=1 to enable it.
</pre>
```