Video Relay API Documentation

ver. 1.1

Table of Contents

Change log

Date	Version	Changes Made	Changes By
21/05/2014	1	Initial Version	Gabor Zelei
30/05/2014	1.1	Start recording on by default in create video relay	Sean OReilly

1. GeoPal Signature

The Signature is a specially constructed token, converted to the lowercase and then signed with SHA256. Once constructed, it must be encoded with BASE64. You can find more information about the building block parameters of the token below.

PseudoCode:

```
VAR Signature = BASE64(
     SHA256(
          LOWER_CASE(
               <VERB>+<URI>+<EMPLOYEEID>+<TIMESTAMP>
          )
     )
);
```

See the following link for more details:
http://www.geopalsolutions.com/developer-api-information#signature

2. GeoPal Timestamp

The current timestamp. Please refer to the RFC 2822, in case you need more information. GeoPal expects the timestamp to be provided in the following format:
Thu, 25 Oct 2012 13:06:50 +0100

See the following link for more details:
http://www.geopalsolutions.com/developer-api-information#timestamp

3. Video Relay API

3.1 List Callable Employees

Returns a list of callable employees.

Parameters	Method specific value
URI	`api/videorelay/listemployees`
Verb	GET
Data Type	JSON

Headers	Method specific value
GEOPAL-SIGNATURE	[reference]
GEOPAL-TIMESTAMP	[reference]
GEOPAL-EMPLOYEEID	A unique ID assigned to the requestor employee by GeoPal

Response	Description
`status`	[true/false] Indicates if there was an error on the server or not
`tag`	The URI to which the call was made to
| `employee` | A JSON array with the account details of the requestor user who made the call.<br><br>```
{
        id: integer,
        title: string,
        first_name: string,
        last_name: string
}
``` |
| `company` | Details on the current company.<br><br>```
{
        id: integer,
        name: string,
        mobile_main_logo_url: string
}
``` |
| `employees` | An array of objects containing employee information:<br><br>```
[{
        id: integer,
        identifier: string,
        title: string,
``` |

	``
        first_name: string,
        last_name: string,
        mobile_number: string,
        username: string,
        timezone: string,
        status: integer,
        lat: float,
        lng: float,
        address: string,
        last_updated_on: string / dateTime,
        is_in_active_video_relay_session: boolean
}]
```

Note: This list is different from the standard list of employees in that it contains the `is_in_active_video_relay_session` flag that indicates if the user is available for video relay calls. |

3.2 Create A Video Relay

Allows for creating a new video relay. Recording of a video relay is on by default.

Parameters	Method specific value
URI	`api/videorelay/create`
Verb	POST
Data Type	JSON

Headers	Method specific value
GEOPAL-SIGNATURE	[reference]
GEOPAL-TIMESTAMP	[reference]
GEOPAL-EMPLOYEEID	A unique ID assigned to the requestor employee by GeoPal

Post Parameters	Description
initiator_employee_id	The Id of the initiator (caller) employee
receiver_employee_id	The Id of the receiver (callee) employee
`job_id`	Optional. The Id if the job to associate with the video relay
`notify_initiator`	Optional; boolean. `True` to attempt to join the initiator employee to the video relay immediately, by way of push messaging. Defaults to `false`.

Response	Description
`status`	[true/false] Indicates if there was an error on the server or not
`tag`	The URI to which the call was made to

`employee`	A JSON array with the account details of the requestor user who made the call.
	
	`{`
	　　`id: integer,`
	　　`title: string,`
	　　`first_name: string,`
	　　`last_name: string`
	`}`

`company`	Details on the current company.
	
	``
	{
	        id: integer,
	        name: string,
	        mobile_main_logo_url: string
	}
	``

`video_relay`	An object containing information on the created video relay:
	
	``
	{
	        video_relay_id: integer,
	        video_relay_initiator_employee_name: string,
	        provider_session_id: string,
	        provider_token: string,
	        tokbox_api_key: string,
	        job_identifier: string
	}
	``
	
	where:
	
	video_relay_id:
	The numeric id of the video relay entry in GeoPal
	
	video_relay_initiator_employee_name:
	The full name of the initiator employee
	
	provider_session_id:
	The id of the currently active video relay call in TokBox
	
	provider_token:
	The access token generated for the initiator employee in TokBox
	
	tokbox_api_key:
	The TokBox API key assigned to the current company in GeoPal
	
	job_identifier:
	The identifier of the job associated with the video relay, if any

3.3 Reject A Video Relay Call

Allows for rejecting an incoming video relay call.

Parameters	Method specific value
URI	`api/videorelay/reject`
Verb	POST
Data Type	JSON

Headers	Method specific value
GEOPAL-SIGNATURE	[reference]
GEOPAL-TIMESTAMP	[reference]
GEOPAL-EMPLOYEEID	A unique ID assigned to the requestor employee by GeoPal

Post Parameters	Description
employee_id	The Id of the rejecting employee
video_relay_id	The Id of the video relay

Response	Description
`status`	[true/false] Indicates if there was an error on the server or not
`tag`	The URI to which the call was made to

`employee`	A JSON array with the account details of the requestor user who made the call.
	
	`{`
	    `id: integer,`
	    `title: string,`
	    `first_name: string,`
	    `last_name: string`
	`}`

`company`	Details on the current company.
	
	`{`
	    `id: integer,`
	    `name: string,`
	    `mobile_main_logo_url: string`
	`}`

3.4 End A Video Relay Call

Allows for ending an active video relay call.

Parameters	Method specific value
URI	`api/videorelay/end`
Verb	POST
Data Type	JSON

Headers	Method specific value
GEOPAL-SIGNATURE	[reference]
GEOPAL-TIMESTAMP	[reference]
GEOPAL-EMPLOYEEID	A unique ID assigned to the requestor employee by GeoPal

Post Parameters	Description
employee_id	The Id of the rejecting employee
video_relay_id	The Id of the video relay
end_status	Optional; a string indicating if the call was successful. It can be one of the following: "`successful`", "`timeout`", "`rejected`" or "`dropped`". Defaults to "`dropped`".

Response	Description
status	[true/false] Indicates if there was an error on the server or not
tag	The URI to which the call was made to

employee	A JSON array with the account details of the requestor user who made the call.
	
	`{`
	`    id: integer,`
	`    title: string,`
	`    first_name: string,`
	`    last_name: string`
	`}`

company	Details on the current company.

| | ```
{
        id: integer,
        name: string,
        mobile_main_logo_url: string
}
``` |
| --- | --- |