



APPLICATION SERVICES

## Developer Guide for System Implementation

### KillSwitch International, Inc.

Document Version 01

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# Preface

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## Purpose of this Document

This document is a guide for developers to successfully implement the app into their systems, allowing the consumers to delete photos with ease.

## Audience

The *primary audience* of this document are engineers at the companies using the app.

The *secondary audience* of this document are project managers, technical leads, and architects working with the engineers.

## Revision History

Table 1. **Revision History of This Book**

Version	Author	Description
01	Sonali Krishnan-Deem	Initial draft

## Customer Documentation

The most up-to-date versions of all KillSwitch technical publications are available on the KillSwitch technical publications site, available directly from the Client Self Services Express site:

<http://KillSwitchservice.lstatic.com/helpdesk>

All documents are available in Adobe™ Acrobat™ (PDF) format, and require Acrobat Reader version 8.0 or later, available from the Adobe site at:

<http://www.adobe.com>

## Contact Information

The following table lists the ways in which to contact KillSwitch International about support and service, technical problems, suggestions, or questions.

Table 2.       **How to Contact KillSwitch**

<b>For help with...</b>	<b>Contact...</b>	<b>At...</b>
Technical problems or questions such as System failures or hardware RMAs	Technical Support Services	<i>Email Address (<a href="mailto:KillSwitch.support@lstatic.com">mailto:KillSwitch.support@lstatic.com</a>)</i> <i>Web Site <a href="http://www.lstatic.com/en-US/Service/Default.aspx">http://www.lstatic.com/en-US/Service/Default.aspx</a></i>
Submitting incident requests, or checking the status of existing requests or RMAs	Client Self Services Express. Requires your client ID and KillSwitch-supplied password.	<i>Web Site <a href="http://KillSwitchservice.lstatic.com/helpdesk">http://KillSwitchservice.lstatic.com/helpdesk</a></i>

# Chapter 1: Introduction

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## KillSwitch Overview

The consumer takes a photo and wants to share it with whoever they like (and it can be reshared) but there is a kill switch in it, allowing the consumer to remove it from every platform immediately. The consumer can select an amount of time to share the photo via the app. Friends of the consumer do not need to have the app in order to receive the 100% JPEG compliant photos.

## Features

### Control Your Photos on Every Platform

We put a kill switch into the consumers photos and the result is 100% JPEG compliant. The consumer can share the photo via email, text, Twitter, FaceBook, WhatsApp, Hangouts, Slack, and more. The people the consumer sends the photos to can share it again as well, and we can still unshare the photo.

### Easy Unsharing of Photos

All that needs to be done to unshare a photo is a flick of the kill switch. The photo will also expire automatically, according to what the user sets. The photo can also be set for certain locations, times, number of views, viewer profile information, original content subscription, and branding.

### Available to Everyone

Consumers can share “KillSwitches” (links to the photo with the kill switch) using the app. Consumers choose when to have the photo expire or when to activate the kill switch.

App developers and Corporate customers can integrate iOS SDK software into their own app and share KillSwitches or the 100% JPEG compliant kill switch images.

# Chapter 2: Use Cases

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This section lists all relevant Use Cases for KillSwitch. Corresponding AVI calls for each Use Case can be found in “Chapter 3: API References”.

## Image Recall

A sorority girl is sending photos to her friends from a recent festival they went to. Knowing that their house has very strict rules on “incriminating evidence” about underage drinking and risqué outfits, she decides to use the KillSwitch app to allow her to delete the photos with ease from her device and her friends’ devices if needed.

### Function Tree

1. Consumer “flicks a switch” on the app on their device, triggering the deletion of the photo(s).
2. KillSwitch app sees where the photo(s) were used or sent, and recalls the images, thereby deleting them.
3. Application running on SunSpot responds with what it’s watching.

## Time Limit

A father, who likes to keep his personal life very private and separate from work, posts a picture to a social media page of his family at Disneyland. Knowing he does not want it in the world forever, he uses the KillSwitch app and puts a timer on the photo so that it will disappear in a week’s time.

### Function Tree

1. Consumer uses the KillSwitch app to place a timer on the photo.
2. The app tracks where the photo goes (to the social media site) and times the life for the photo for one week. It then gets deleted.

# Chapter 3: API References

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## Overview

1. Signup for a developer account contacting us at [integration@killswitchers.com](mailto:integration@killswitchers.com). We will provide you an apikey to start doing all queries.
2. Read the documentation.
3. Start making request against the API at:

**<https://sandbox.killswitch.pics>**

## Basic

- We use standard HTTP verbs like GET and POST
- We use standard HTTP error responses to describe errors
- All responses are JSON
- All communications must be SSL (https://)

## Responses

- 200 - Success
- 204 - No content
- 400 - Bad Request.
- 401 - Unauthorized
- 404 - Not Found
- 500 - Internal server error

## Errors

Error responses include details about the problem occurred

```
{
  "code": 40401,
  "message": "No image found",
  "key": "IMAGE_NO_FOUND"
}
```

## Authorization

Must include in all queries an apikey header followed by the apikey provided.



## Endpoints

### Create new image

Creates a new image and returns the corresponding KillSwitch.

```
POST /v1/images/
```

*POST Parameters:*

Name	Type	Description
image	String	Image file in base 64
duration	Number	Shared duration in secs ( <i>max</i> is 1 year=31557600 secs)

Note: `embeddedPass` `Boolean` Optional, default is 1. If set to 1 the password is embedded in the URL so the viewer will not need to decrypt the image. This makes things easier and faster. But if you are very concerned about privacy and want to share the password separately from the URL just set this value to 0 and the returned link will ask the viewer for the password to decrypt the image.

*Response:*

Name	Type	Description
link	String	Share KillSwitch to the image
password	String	<i>Optional.</i> Password needed to decrypt the image
imageId	String	Identifier of the image

### Image information

*Request:*

```
GET /v1/images/{imageId
```

*Response:*

Name	Type	Description
views	Number	Number of views of the image
likes	Number	Number of likes hit in the website
thumbs	Number	Number of thumbs hit in the website
smiles	Number	Number of smiles hit in the website remaining
Time	Number	Remaining time in seconds till image expires
link	String	KillSwitch to reshare

Note: be aware that if you select the option `passEmbedd 0` we will not store the password in the server and url so you will have to remember it.

## Unshare image

```
DELETE /v1/images/{imageId
```