



FIVEOPENBOOKS APPLICATION SERVICES

Developer Guide for ebblink

Document Version 01

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Preface

Purpose of this Document

This document is a guide for developers to integrate ebblink functionality with iOS.

Audience

The *primary audience* of this document is iOS developers, iOS administrators, and other persons implementing solutions for iOS.

The *secondary audience* of this document is ebblink developers and other FOB personnel working with the iOS platform.

Revision History

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

Version	Author	Description
01	Donnie Woolsey	Initial draft

Customer Documentation

The most up-to-date versions of all ebblink technical publications are available on the ebblink page on iTunes, accessible through the iTunes desktop and mobile applications, and the website:

<https://itunes.apple.com/us/app/ebblink-share-images-anywhere/id1068043302?mt=8>

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 FOB about support and service, technical problems, suggestions, or questions.

Table 2. **How to Contact FiveOpenBooks**

Method of Contact	At...
Social Media	Facebook: www.facebook.com/ebblink Twitter: @ebbapp
Telephone	(650) 246-9911
email	info@fiveopenbooks.com

Chapter 1: Introduction

FiveOpenBooks ebblink Overview

FiveOpenBooks understands the importance of a social media presence. Further, FOB recognizes that it is paramount that a user has as much control over that presence as possible. Ebblink gives users more control over their social media presence so that they can protect their privacy and their reputations.

How does ebblink work?

1. Ebblink creates a shareable link for the user which is enhanced with ebblink's encryption technology. This technology allows the user to set a duration for how long the picture is active, once the duration has expired, the picture is deleted from all social media.
2. Those with the link can view and share it, however the picture cannot be downloaded.
3. If the user wants to delete the picture before the expiration date: open the ebblink app, and select "Unshare." The image will be immediately deleted.

Ebblink is perfect for anyone who has ever experienced that morning after regret. Simply, adjust your sharing habits to go through ebblink and rest assured that you have more control over your social media presence than ever before.

Note: Ebblink only works on the original picture. It will not work on a screen shot of an image nor if someone takes a picture of an image shared via ebblink.

Document Scope

This purpose of this document is to describe the integration, cases, and interfacing between ebblink APIs and iOS for developers.

Note: Other information regarding FOB can be found elsewhere. All information within this document will be related to the integration of ebblink with iOS.

Chapter 2: Use Cases

Ebblink technology provides access control by creating rules that are applied by our servers to determine if an image can be opened. This process provides maximum flexibility to developers so that they can create access control that best fit their application. For example:

- A password can be embedded in the URL generated by our service or, for additional privacy, it may be sent separately to the user so that it can be shared directly with the intended recipients;
- Automated expiration time can be set by the application (arbitrary times of up to 1 year);
- Images can be deleted at any time;
- Other rules can be applied to make an image expire (for example, based on the number of times it has been accessed)

Example Scenarios

Time limit

A user has just completed a confidential prototype and now needs to send some quick photos to her overseas team members. Due to the sensitivity surrounding the project, the user cannot send the photos directly via text message. Instead the user opens ebblink, knowing the application will keep her images secure and private (they will be encrypted so that even the ebblink service provider cannot open them). The user chooses to enhance the control she has by setting a 1 hour time lifespan for her images, long enough to share the concept yet short enough to guarantee the image's confidentiality.

Unshare Image

Last night, a user shared an image in his fraternity's group chat of him completing an impressive round of shots. This morning, the user opens ebblink to relive his late-night glory. While reminiscing, the user notices the number of viewers has jumped from the hundred making up his fraternity to a couple thousand, far beyond his intended audience. Though still a bit hazy, the user recalls he has a job interview this coming Thursday. Instead of panicking, the user simply chooses Unshare Image, erasing the photo everywhere, and continues to brew his very black cup of coffee.

Chapter 3: Ebblink API

Quick Start

- Sign up for a developer account and get an API Key: info@fiveopenbooks.com
- Make requests against the API: <https://sandbox.ebb.pics>

Ebblink basics

- Standard HTTP verbs
- Standard HTTP error responses
- JSON format for responses
- SSL format for communications

API Responses

Code	Meaning
200	Success
204	No Content
400	Request Malformed
401	Unauthorized
404	Not Found
500	Internal server Error

Authentication Headers

All requests should include authentication and userid headers:

- Authentication: token provided when registering to the platform
- Userid: unique id for each end user, this is used to identify the owner of the image

Errors

Error responses will detail the error.

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

API Parameters

Create Image

Creates a new image and sends the ebblink to the enduser.

Name	Type	Description
Image	String	Image file in base 64
Duration	Integer	In seconds (maximum 1 year)
EmbeddedPass	Boolean	Optional, by default 1 . If set to 1 the password is embedded in the URL so the viewer will not needed to decrypt the image.

Request

```
POST /v1/images
```

Response

<i>Name</i>	<i>Type</i>	<i>Description</i>
publicUrl	String	URL pointing to the image
password	String	<i>Optional.</i> Password needed to decrypt the image
imageld	String	Unique identifier of the image

View Image

Requests data on a shared image

Request

```
GET /images/status
```

Response

<i>Name</i>	<i>Type</i>	<i>Description</i>
views	Integer	Image views
likes	Integer	<i>Number of likes for the image</i>
thumbs	Integer	Number of thumbs for the image
smiles	Integer	Number of smiles for the image
remainingTime	Integer	Remaining time until the image expires (in seconds)
link	String	Ebblink URL to reshare

Unshare Image

Permanently deletes an ebblink image.

```
DELETE /images/kill
```

Glossary

API	Application Programming Interface
HTTP	Hyper Text Transfer Protocol
JSON	JavaScript Object Notation
SSL	Secure Socket Layer