



# 4th April 2021

I am pleased to present **Eatilink 1.0**

<https://eatilink.herokuapp.com/api/v1/linkshortener/shorten>

## Introduction

Eatilink will function as a link shortener service. The service will convert into fictional, shortened URLs from a provided long URL.

## What is new in Version 1.0

Eatilink version 1.0 is the first version of the Link Shortener Service life cycle. Eatilink is deployable in Docker Container. This release will facilitate by providing link shortener api.

## Compatible Products

This product has been tested on the following platforms and hardware products.

#Item	Hardware Product	Platform	Port
1	Window operating system and running on window docker container	8000	80
2	MongoDB database running on windows docker container	27017	27017
3	Container Registry	Heroku	

## Upgrades

Eatilink version 1.0 is the first version of his life cycle. The upgradation from previous product to new one will be effected from next release.



## New Features

Ref#	Name	Description
API 1	Link Shorten	Convert a provided URL into a fictional, shortened URL.
		Each shortened URL will remain stored for a specified time limit which is configurable.
		Auto refreshing solution is in place by it's time limit and shortened url will be returned if it has been stored in memory cache with consideration of it's time limit.
		JWT Authentication is required with it's defined algorithm, payload structure and encoding formula.
		URL details will be stored with original url, shortened url, short string, created date time, expiry date time, unique id etc.

## Known Bugs and Limitations

Ref#	Name	Type	Description
1	Token Generation	Limitation	Eatilink link shortener service will require JWT Bearer Authorization Token for it's validation. Assuming Identity Server will generate a token and Gateway will set as Head Authorization to consume Eatilink Service.
2	Redirection from Base62 short URL to original URL	Limitation	Eatilink is a domain based link shortener (eati.go). When it will short a long url, it will return For example - :" <a href="https://eati.go/jU">https://eati.go/jU</a> ".

## Dependencies

### Installation

Installation and deployment file is explained it's installation and deployment documentation.

### Database

Eatilink version 1.0 requires a non relational database MondoDB. In configuration file, Please specify the database host, database name and collection name. If you don't want to change any configuration then it will create based on it's default configuration.

### Logging

To see the log level wise logging, please specify the logging path from app configuration.