# Introduction

## The Zillow API

Zillow Scraper helps you get information about houses and properties from Zillow, which is the biggest site for real estate listings in the world. It has cool features like property values, and details about the houses (Scrapeak,2023).

## Security requirements for the Zillow API:

### Authentication and Authorization:

* The Scrapeak API uses API keys to authenticate requests. You can view and manage your API keys in the Scrapeak Dashboard.
* You need to sign up for any plan (including free starter plan) to get an API key.
* Since these API keys carry many privileges, users are advised to keep them secure! Not share their secret API keys in publicly accessible areas such as GitHub, client-side code, and so forth.

### Data requests

* All API requests must be made over HTTPS.
* Calls made over plain HTTP will fail.
* API requests without authentication will also fail.

### Monitoring and Logging

* The company logs access to user accounts and product sign-ups using full IP addresses to ensure no unauthorized access and to prevent spammy signups. This login data is retained as long as the product account is active. Additionally, web analytics data, linked to IP addresses for troubleshooting, is anonymized after 30 days to protect user privacy.

### SSL/TLS Encrypt

All data is encrypted via SSL/TLS when transmitted from Zillow servers to your browser. The database backups are also encrypted. Most data are not encrypted while they live in the Zillow database for safety.

### Data compliance and regulations

At Scrapeak, all customers, regardless of their location, are granted the same data rights. The company adheres to privacy regulations such as the GDPR and California Consumer Privacy Act (CCPA). Customers have the right to know what personal information is collected and how it's used. Customers can also restrict how their information is processed, object to certain processing, and receive their data to transfer it elsewhere (Harding et al. 2019). The GDPR requires that data transfer out of the EU must only happen to countries deemed as having adequate data protection laws. The United States generally doesn’t meet that requirement (GDPR).

# Conclusion

By adhering to the Zillow Scraper security requirements, developers can create a robust and secure web scraping API that protects both the service provider and users from potential security threats and privacy breaches.

References:

Scrapeak (2023). Scrapeak docs. Available from: <https://docs.scrapeak.com/zillow-scraper/overview>

European Union General Data Protection Regulation (GDPR). (2016). Available from: <https://eur-lex.europa.eu/legal-content/EN/TXT/?qid=1532348683434&uri=CELEX:02016R0679-20160504>

California Consumer Privacy Act (2023) Available from: <https://oag.ca.gov/privacy/ccpa>

Harding, E.L., Vanto, J.J., Clark, R., Hannah Ji, L. and Ainsworth, S.C., 2019. Understanding the scope and impact of the california consumer privacy act of 2018. *Journal of Data Protection & Privacy*, *2*(3), pp.234-253.