Dynamsoft

Table of Contents

Security at Dynamsoft 2

Certifications 2

Compliances 2

Software Development Security 2

Dynamic Web TWAIN (DWT) Product Security 3

Dynamic Web TWAIN Service Flow Diagram 3

Dynamsoft License Security 4

Offline vs. DLS-connected Licenses 4

Reliability & Security of DLS 4

Pros and Cons 4

DLS Flow Diagrams 5

Dynamsoft

Security at Dynamsoft

Certifications

Dynamsoft is **ISO 27001** Certified. (certificate)

Dynamsoft is **O-TTPS** Certified. (certificate)

Compliances

All Dynamsoft products run entirely on your local network and devices. No sensitive data is transmitted to Dynamsoft servers. This design helps customers meet strict security and compliance standards, including **HIPAA** and **GDPR**.

Software Development Security

Code Review

At Dynamsoft, code review is done to ensure that the code is secure, efficient, and meets our coding standards. We also use automated tools to help identify potential security vulnerabilities in code.

Static Code Scanning

At Dynamsoft we use static code scanning tools to analyze our code for potential security vulnerabilities. These tools help us identify security flaws early in the development process before they can be exploited by attackers.

Secure Coding Practices

Dynamsoft developers are trained in secure coding practices to ensure our software is secure by design. This includes following coding standards, using secure coding techniques, and avoiding common coding mistakes that can lead to security vulnerabilities.

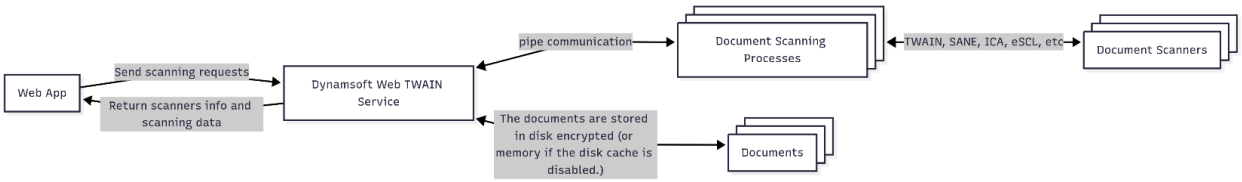
Ref. Dynamsoft Security Whitepaper

Dynamic Web TWAIN (DWT) Product Security

Security Measure	Image Capture through DWT
Cached data is automatically destroyed if the SDK exits unexpectedly.	✓
Can be configured to accept requests only from specified origins. (see here)	✓
Requires user authorization to access local files.	✓
Requires user authorization to access scanners or webcams via the webcam add-on.	✓
Supports custom certificates in place of the default Dynamsoft certificate. (see here)	✓
Digitally signed by VeriSign (Windows only).	✓
Supports proxy connections.	✓
Supports SSL for HTTP uploads and downloads. (see here)	✓
Scanned or cached image data is encrypted. Only the Dynamsoft scanning service can access this data; other programs cannot extract any information from the images. (see here)	✓
Restricts scanner access to the registered web application domain by matching the domain with the one in the product key.	✓

For more details, please also refer to the Dynamic Web TWAIN Security FAQ.

Dynamic Web TWAIN Service Flow Diagram



Ref. Dynamic Web TWAIN, Features

Ref. Dynamic Web TWAIN's Security FAQ

Dynamsoft

Dynamsoft License Security

Offline vs. DLS-connected Licenses

Dynamsoft's customers can choose between a **100% offline license**, or a **DLS-connected license**. (DLS stands for Dynamsoft License Server)

A **DLS-connected license** is a license that a client needs to acquire from the Dynamsoft License Server (DLS) at runtime. On the contrary, an **offline license** is one that the client can use on its own. In other words, the license key for a DLS-connected license contains only information on **how to connect to DLS** to **acquire the actual license content** while an offline license is **the license content itself**. Both types of licenses offer **domain-binding**, so that your license key is only useable on your selected domains.

Ref. Dynamsoft License Server FAQ

Reliability & Security of DLS

Dynamsoft License Server is hosted on **AWS** that provides a high level of security. DLS does **not collect** any **personal information**.

Dynamsoft uses **encryption** to protect sensitive data both in transit and at rest. This includes using secure protocols for communication, such as **HTTPS**, and encrypting data stored in databases and other storage systems. (Please see the flow diagrams)

Dynamsoft regularly performs **technical assessments** on DLS. This helps us ensure that our software is secure against real-world attacks.

In the event of a security incident, Dynamsoft has a well-defined incident response process in place. This includes procedures for identifying and containing the incident, notifying affected parties, and conducting a post-incident review to identify areas for improvement.

Dynamsoft also provides **backup services** and performs regular backup and restoring testing to ensure the availability of the license service.

Please also visit Dynamsoft License Server Security FAQ for further information.

Ref. Dynamsoft Security Whitepaper

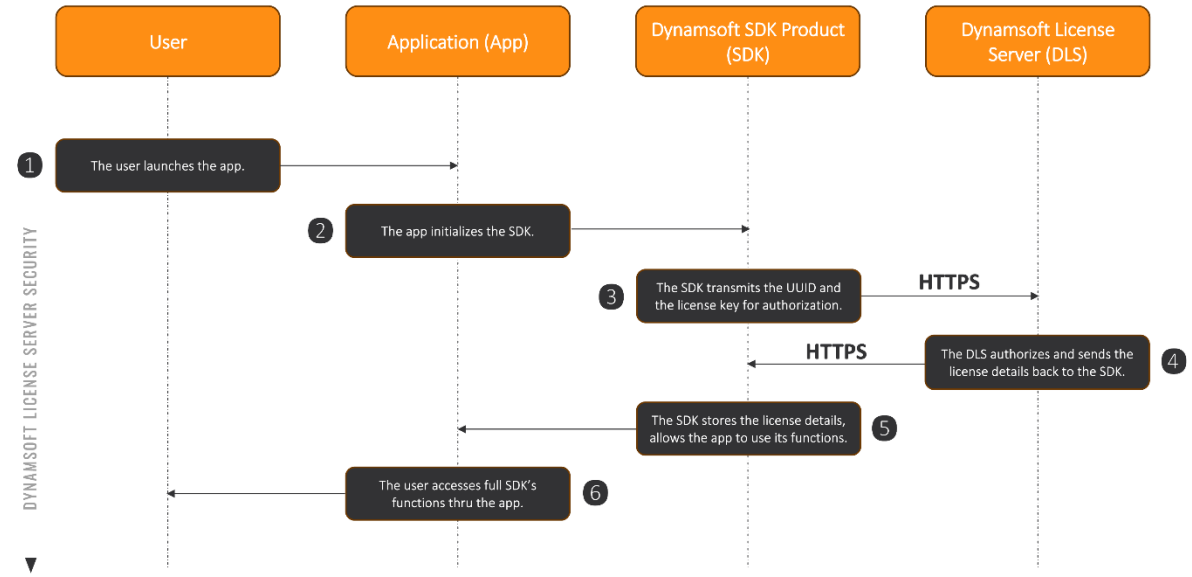
Pros and Cons

Offline licenses remove the need for any external network connections when using Dynamic Web TWAIN. DLS-connected licenses offer an easier license management cycle.

With DLS-connected licenses, the key in code **does not need to be changed** on license renewal. If additional modules or licenses are purchased, they can be added to the existing key with no code changes. Offline licenses come with the license expiry and modules **hardcoded** as **properties of the key**. If customers need **to change the modules** or **extend the expiry date**, and new key must be generated and updated in code.

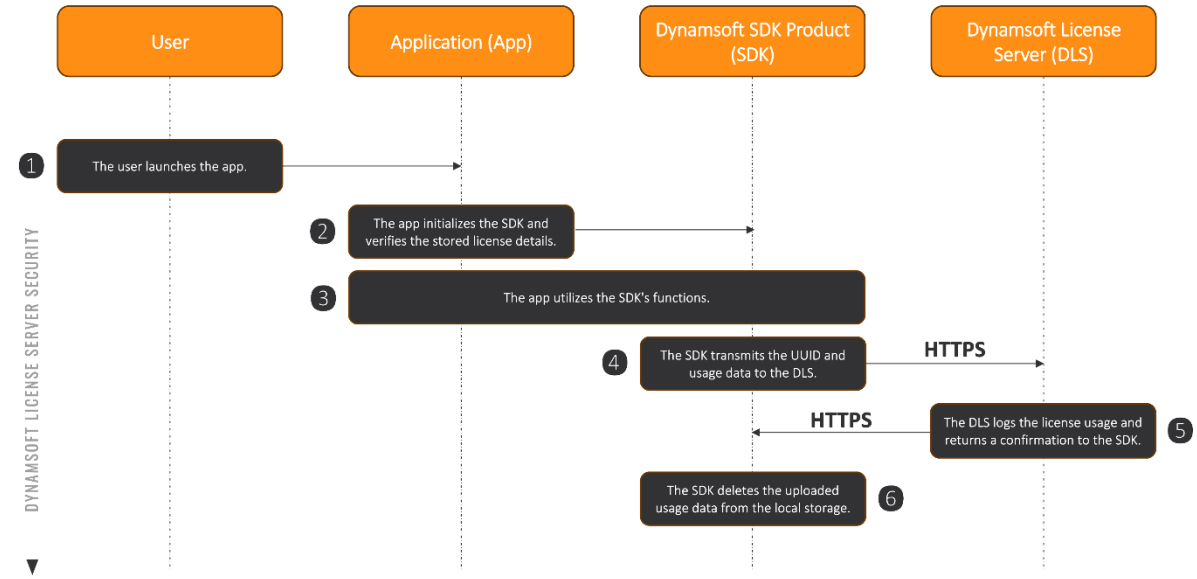
DLS Flow Diagrams

Requesting Authorization from DLS



The SDK Requests Authorization from the Dynamsoft License Server

Transmitting Usage Data to DLS



The SDK Transmits Usage Data to the Dynamsoft License Server