



Dynamicsoft™



Dynamic Web TWAIN Security Features

11 Years of Experience in TWAIN SDKs
and Version Control Solutions

Dynamsoft provides Dynamic Web TWAIN, a scanning software SDK specifically designed for web applications. Developers use it so in only a few lines of code they can implement image and document scan, edit and storage functions. It works with TWAIN-compatible scanners and the TWAIN standard is by far the most dominant and required API for scanning. Dynamic Web TWAIN is integrated into various workflows where scanning is an important step. Scanned documents might contain confidential and critical information. So, for developers, security has always been a priority when selecting an image capture solution.

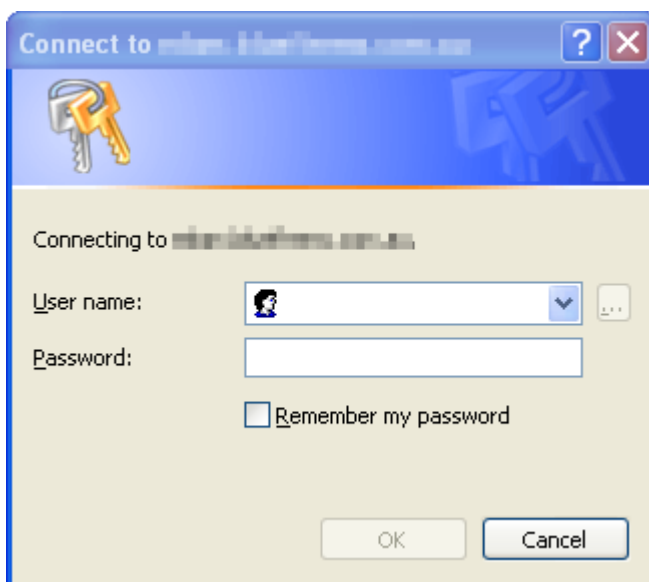
Over the last 10+ years, Dynamic Web TWAIN has been chosen by thousands of well-known enterprises and organizations requiring stringent security. They have included Lockheed Martin, IBM, HP, the US Government, and more. What makes our customers trust Dynamic Web TWAIN with their documents? In this article, we will go through the security features at the heart of the trust Dynamsoft customers have for Dynamic Web TWAIN.

1. A random ID is assigned when the Web TWAIN control is initialized. This random ID works similar to a session ID. When an application tries to view the images, it will need to provide this ID.

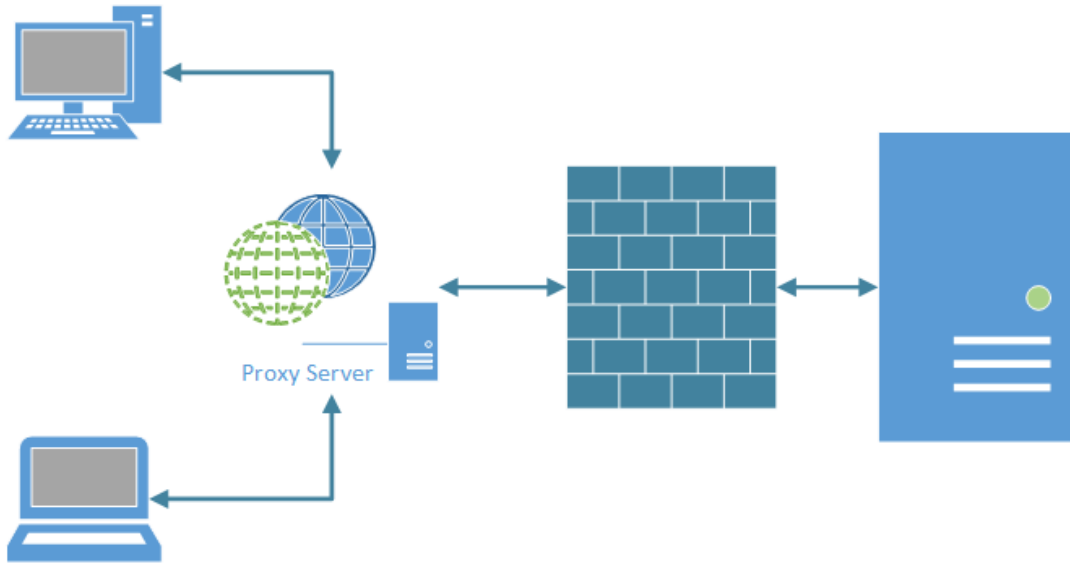
For example,

<http://127.0.0.1:18618/img?id=803777483&index=5&width=1&height=1&ticks=6>

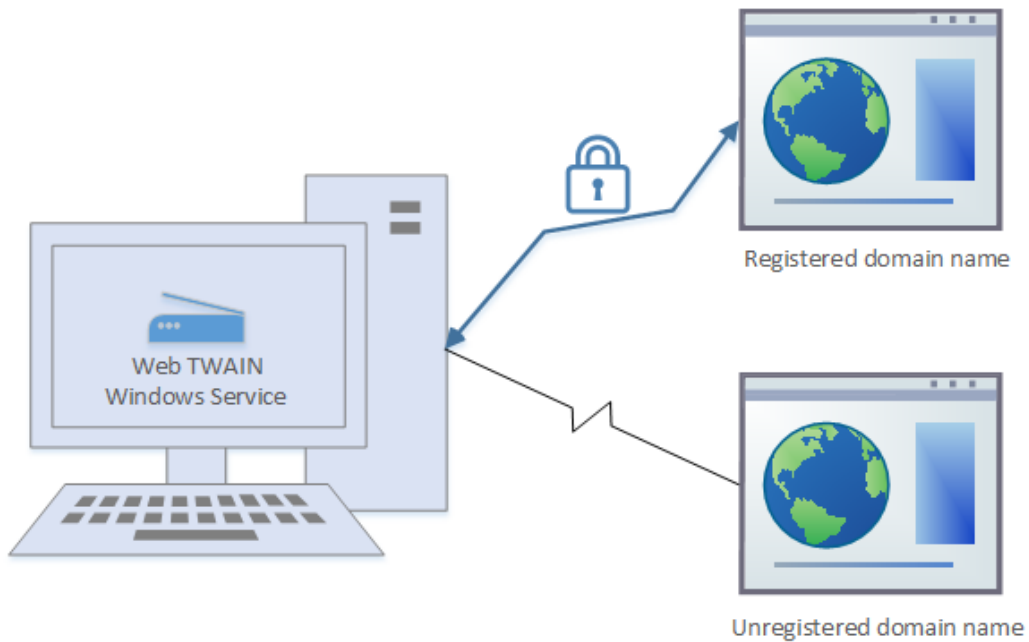
2. Support for Windows Authentication, Forms Authentication and Basic Authentication.



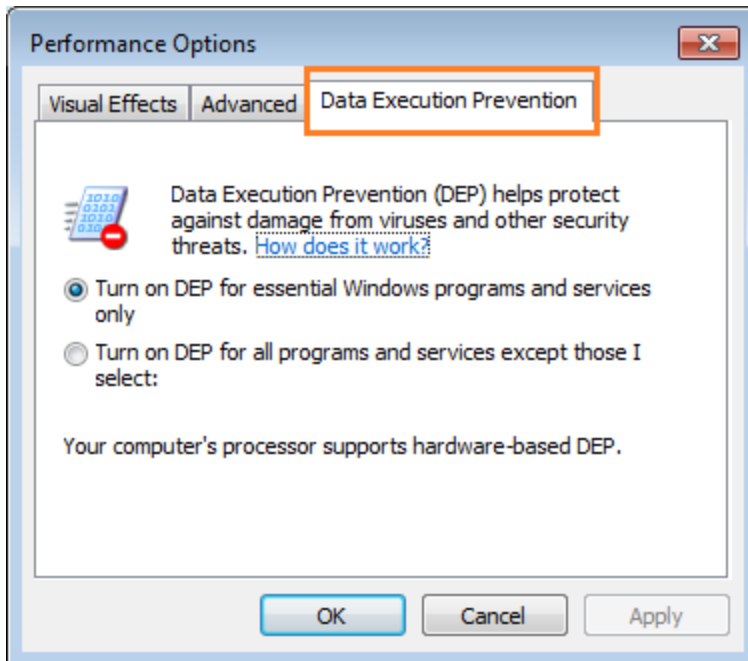
3. **Proxy** connections are supported. There is no need for customers to reconfigure their firewalls.



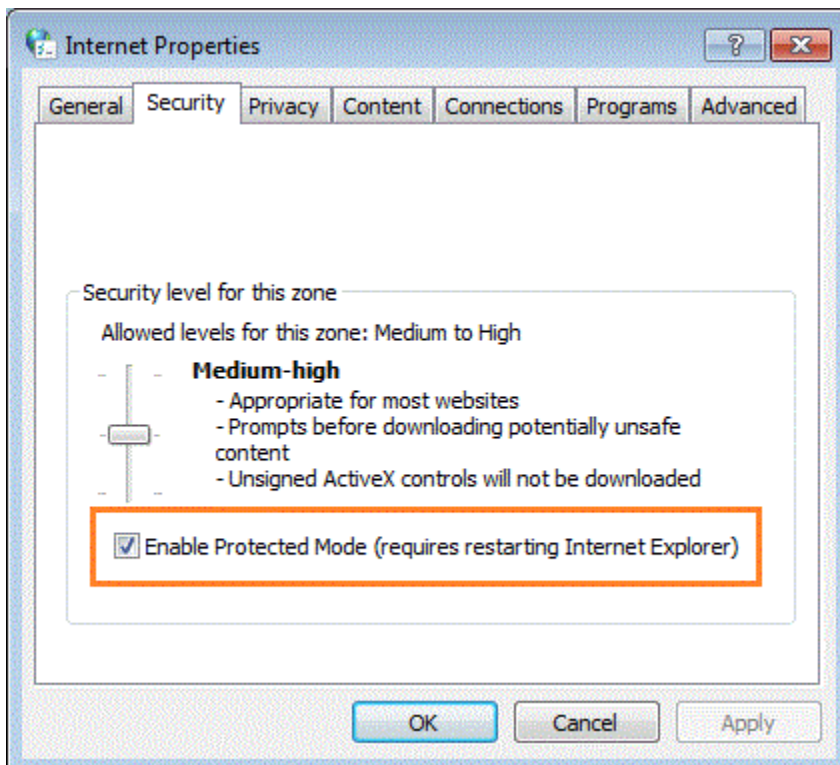
4. Dynamic Web TWAIN limits access to a scanner device to only the registered web scanning application. This is done by matching the current website domain to the registered domain in the product key.



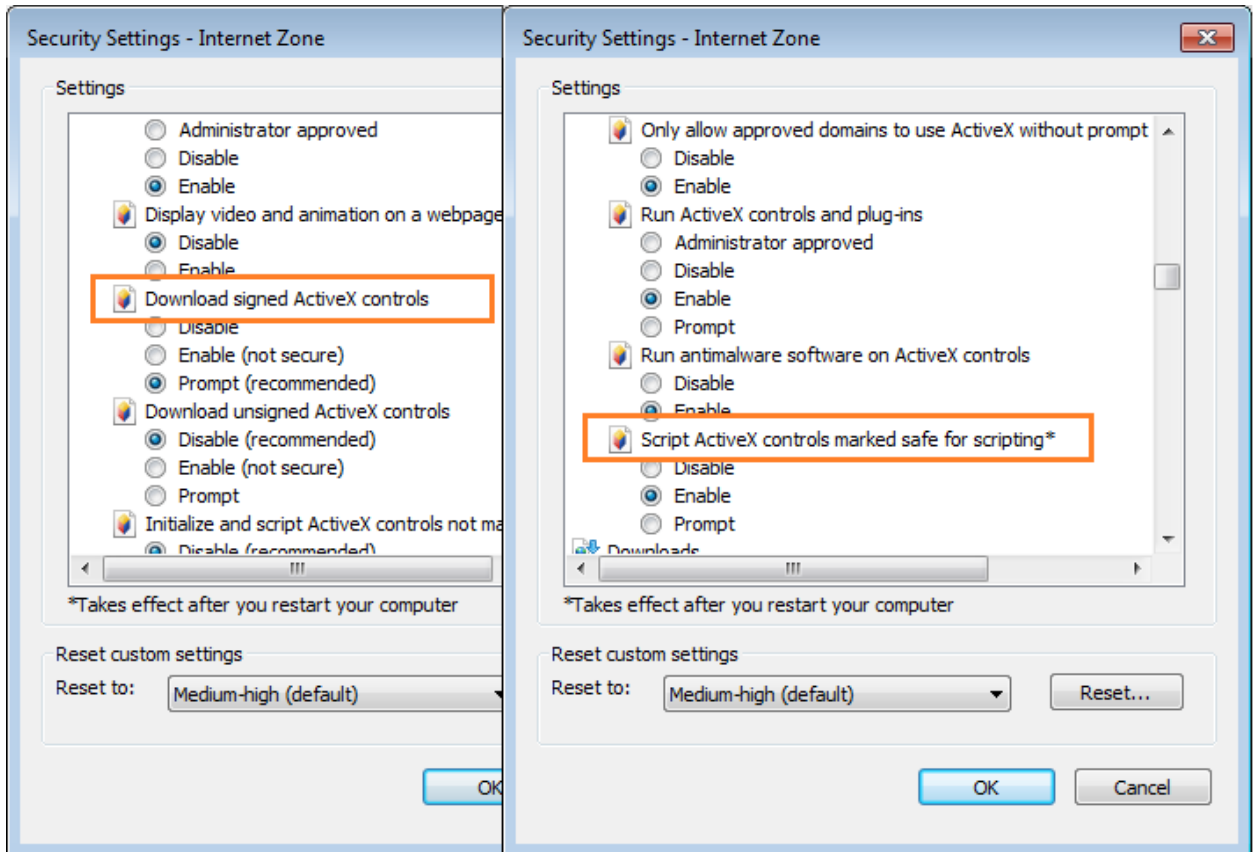
5. It's compatible with **Data Execution Prevention (DEP)**, which can be configured in Control Panel\System and Security\System\Advanced System Setting\Advanced (tab)\Settings (button) \ Data Execution Prevention (tab).



6. It's also compatible with **Protected Mode**.



7. Dynamic Web TWAIN's ActiveX Control is digitally signed by [VeriSign](#).
8. The ActiveX Edition is marked safe for initializing and scripting.



9. Scanned image data or cached scanned data is **encrypted** and only accessible by Dynamsoft's scanning service.
10. ActiveX, Plug-in and HTML5 editions on Windows support **SSL** for FTP/HTTP uploading and downloading. The Mac Edition supports SSL for HTTP uploading and downloading.
11. Should the SDK exit unexpectedly, all cached data will be destroyed
12. There is optional domain binding in the licensing process
13. Authorization required for accessing local files

14. Authorization required for accessing scanners or webcams.

15. Custom certificate supported to be used instead of the Default one by Dynamsoft.

Dynamsoft's Dynamic Web TWAIN provides an abundance of advanced capabilities that help reduce development costs and time spent in addition to reducing the footprint of technical support requirements. Cross-browser support reduces the need for developer teams to rely on multiple solutions. Advanced scan and edit features alongside simple storage and retrieval capabilities are loved by users. But, security is always paramount regardless of the application. Dynamsoft has been enhancing the security of Dynamic Web TWAIN across years and many generations of the SDK. It's why Dynamic Web TWAIN delivers enterprise-class security that is trusted by the most security-hungry organizations in the world.