



# Armored Client for Citrix

## The final piece of the Citrix security puzzle

The Armored Client for Citrix enables organizations to quickly and easily deploy Citrix desktops and applications to any PC without security concerns.

- Protect your browser and logon process from keylogging & other malicious attacks
- Protect your Citrix sessions from keylogging and screen captures
- Eliminate browser compatibility issues
- Enable users to use their own devices securely (enable BYOD)
- Overcome compliance and regulation issues for unmanaged PC's
- Easy to deploy and maintain
- Minimal IT resources required

“There is no longer a need to issue laptops to Citrix users anymore. The Armored Client for Citrix allows your staff to use their own PC's securely”

# Armored Client for Citrix

By SentryBay

SentryBay have launched the Armored Client for Citrix which securely “wraps” the Citrix receiver - providing key endpoint and browser security for connections to XenDesktop and XenApp installations. The solution overcomes existing security threats such as keylogging, browser vulnerabilities, DNS poisoning and session hijacking.

Armored Client



For Citrix

## The Challenge

By design Citrix XenApp / XenDesktop is a very secure solution, but there has always been a concern that if the endpoint is compromised, there is a risk of keylogging and screen capturing of confidential data.

It must be stressed that keylogging, screen capturing and browser vulnerabilities are the only weakness in the security when accessing Citrix environments.

Endpoint security for un-managed PC's is a concern for many companies in various sectors, particularly those bound by regulatory compliance which either prevents the use of non-managed endpoints for remote access or is high on the security risk register today.

So how do you overcome this?

## The Solution

The Armored Client for Citrix solves the key security challenges for Citrix endpoints highlighted above. The design objectives for SentryBay set out to use their core patented technology to provide a lightweight, secure environment to solve the key security and compatibility issues today:

1. Protect the browser and logon process from keylogging & other malicious attacks
2. Protect Citrix session from Keylogging and Screen Capturing
3. Solve browser compatibility issues
4. Enforce and deploy a consistent installed Citrix Receiver version
5. Works with older (supported) Citrix environments, not just the latest 7.x releases
6. Enable the ICA / HDX virtual channels to function normally, where possible
7. No change in user habits and they can function in their normal way
8. Allow the user to switch to their normal applications at any time without disconnecting from Citrix applications

## Endpoint Security Mitigations

The Armored Client for Citrix provides protection against:

- Keylogging
- Screen Capture
- Phishing Attacks
- Session Hijacking
- Drive by Attacks
- DNS & other Spoofing attacks
- DLL injection
- Tampering

Protect your Citrix sessions from hackers and sophisticated malware.

## How the Armored Client for Citrix helps:

### Reduce cost and complexity for remote access via Citrix

Users / Partners etc. simply install the Armored Client for Citrix which is a fraction of the cost when compared to issuing Corporate (managed) machines.

### Secure contractor, partner and remote access for employees

Armored Client overcomes compliance issues due to unknown state of non-managed PC's used by home workers and partners/suppliers by ensuring an isolated and totally secure environment on the Windows endpoint when using the Receiver.

### Meet regulatory compliance

Overcome compliance rules which mandate using corporate / managed machines for remote access as you cannot guarantee security.

### Enforce Use of Armored Client for Remote Access

Usage of the Armored Client can also be enforced on the gateway and automatic updates are provided seamlessly to the user's endpoints.

## Armored Client Package

The Armored client for Citrix solution contains:

1. SentryBay core software
2. A self-contained and hardened Armored browser (Firefox)\*
3. Citrix Receiver\*\*

The Armored client is deployed and maintained from SentryBay's cloud service. The user:

- Clicks a link which downloads the initial installer application which is 349k in size.
- Runs the Installer which then pulls down the SentryBay software package and install including the Citrix Receiver\*\*.
- Follows a simple 3-click installation

Once the user has conducted this, they simply click on the new desktop icon to open up the secure logon and proceed as usual.

\* The version of Firefox deployed as part of the Armored Client package does not interfere nor use any exiting Firefox or other browser installations already present on the endpoint.

\*\* If a Citrix Receiver is already installed and it is a current or newer version on the device, then the client will use that receiver.

## SentryBay solutions are already being utilised by:



Check Point  
SOFTWARE TECHNOLOGIES LTD.



Nationwide



ALSI Group  
NetSTAR

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