



# Command Antivirus SDK

Commtouch Command Antivirus SDK offers superior, efficient detection with a small footprint, appropriate for integration into a wide variety of products or services. This award-winning engine blocks malware of all types, including worms, Trojans and spyware. Acquired by Commtouch from Authentium in 2010, Command has been defending against malware for over 20 years.

## Highest accuracy & Zero-Hour detection

- Multi-layered, multi-engined detection using heuristics, emulation, and signatures
- Consistently in top 10 for detecting zero-hour threats
- Award-winning technology: VB100, West Coast Labs and ICSA awards for superior detection rates

## Maximum Performance

- Industry's fastest performance, especially on clean files which are the majority of files scanned by any AV engine
- Superior detection
- Low false positives

## Unparalleled Scalability

- Lowest resource consumption
- Requires half the servers of other leading AVs
- Small SDK footprint

"We have been integrating the [Command] Antivirus SDK into the Gordano Messaging Suite for many years with great success. The impact on throughput on our messaging platforms is negligible, and additional hardware resource requirements are nil. Taken together with the high level of protection provided, and the excellent levels of service there is no better offering available today."

**John Stanners,**  
Managing Director, Gordano Ltd.

"[Command] provides reliable detection technology that allows us to maintain industry-leading catch rates in our Forefront server security products. Our collaboration...will help Microsoft deliver on its Business Ready Security strategy to enable customers to manage risk and empower their people."

**John Chirapurath,**  
Director Identity and Security  
Business Group, Microsoft

Selected Command Antivirus SDK Customers:



## Operation

**Rapid Response** Commtouch's worldwide team of Command virus engineers react to numerous outbreaks every week with new definition files; typically within 30 minutes, besting major competitors and providing the best protection against 'in the wild' malware events.

**Decades of Experience** The Commtouch Command Antivirus SDK is the result of nearly 20 years of history, experience, and adaptive development by some of the industry's most capable engineers.

**Millions of Users** Commtouch's antivirus technologies protect millions of users, scan more than 4 billion emails per week, and are trusted by many of the largest software, hardware and internet services companies.

**Easy Integration** The Commtouch Command Antivirus SDK can be quickly and seamlessly integrated into a diverse range of software and hardware applications. Development is made easy, with direct

access to all functionality, and customizable installation, updating, and reporting features.

**Advanced Automated Testing Facilities** Commtouch maintains one of the world's most sophisticated testing facilities, testing around-the-clock to ensure that all malware is properly identified and isolated from all known 'good' software in the marketplace.

**Direct Support** Commtouch's development team provides direct support to our partners, ensuring unabridged access to critical knowledge.

**Accessibility** Commtouch provides its SDK customers with direct access to the root definition file servers, allowing instant updating and access without manual intervention. In addition, Commtouch maintains dedicated servers specifically configured for OEM partners to ensure maximum availability with unparalleled rapid-response capability.

## Architecture

The Command Antivirus SDK is the ideal foundation for a wide range of hardware and software security applications. With nearly 20 years of heritage, the Commtouch Command team continues its innovation with the release of its 5th-generation SDK. This flexible solution allows developers to incorporate robust malware detection and blocking into their offerings, with best-in-industry performance.

- Optional quarantine feature included in the SDK
- 4 GB limit in definition file size (currently 28 MB uncompressed)
- More than 2 million signatures
- Very detailed threat feedback through improved API, including accuracy of detection and type of detection
- Mature and optimized i386, x86\_64 and ARM emulator
- Data driven heuristics
- Mini-engine architecture, allowing for quick response for new and unknown threats
- Dynamic addition of new file formats or types to be scanned
- Improved emulation based packing with mini-engine acceleration
- Script language engine extension for Java script and other script based languages
- Full support for all types of ZIP, Bzip2, RAR, 7zip, NSIS and CAB compression techniques
- Users can interrupt any scan at any time
- Fast scanning of text and other non-executable files
- Full anti-malware product detecting adware and other potentially unwanted applications types
- 32-bit and 64-bit support
- Native incremental definition files
- Mini filter based driver for improved compatibility with Windows and other products (desktop SDK)
- Multi-platform (Windows, Linux, UNIX, etc.)
- Native windows COM interfaces to ease integration with .NET and script based interfaces
- Olympus (cloud based scanning) feature in AVSDK 5.2.10 and later



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