Double is Strong

Two-factor authentication via SMS for easy, unequivocal user identification – easily integrated into your application and available all over the world.

Two-factor authentication as a service

Sophos 2FA provides two-factor authentication (2FA) via SMS with easy-to-integrate APIs, making it possible for application developers and operators of cloud-based customer portals of every size and industry to protect their products and services against misuse and unauthorised access.

Whether you are planning the global rollout of a consumer portal or a highly specialized B2B application for a SMB: Sophos 2FA has the right interface for any application and for businesses of any size - at a great price.

Two-factor authentication via SMS offers several advantages over other multi-factor authentication methods: No need to install an additional app on the user's smartphone for one-time password generation, or to use a costly hardware token. Contrary to authentication e-mails, an SMS reaches users immediately and exclusively on that user's personal mobile phone. Furthermore, a successful delivery is signalled immediately, thereby reducing the requisite media disruption to a minimum.
**Feature overview:**

- Transmission of 2FA messages to all national and international networks
- Specific routing tables for each country allowing for easy localisation
- Easy-to-integrate interface with test mode for manual testing
- Transmission of unicode SMS (China, Russia, Japan, ...)
- Detailed reporting on transmission status
- Individual US short codes for transmission to North America
- Registered telecommunications provider
- Highly available cloud service, hosted in Germany
- Easy-to-use web interface, configurable in any browser
- Integrated support module for direct communication with MCS Support

**The Sophos 2FA principle**

Connection to the Sophos MCS cloud platform is established over an easy-to-implement encrypted web interface.

**2FA**

The authenticating application only needs to provide a unique PIN and the mobile phone number corresponding to the recipient. Sophos 2FA takes care of the rest: a message, including the one-time PIN is generated based on the stored routing entries, and then reliably delivered anywhere in the world at an affordable price.

**Advanced 2FA**

The latest Sophos MCS product generates and verifies a PIN number automatically, which proves the distinct identity of users in web portals, e-commerce applications, file sharing services, e-mail portals and social media services.

Compared to the standard 2FA product the application requests the PIN dispatch and then forwards the PIN number entered by the user for validation. Advanced 2FA generates and sends the one time PIN in accordance with the customer’s requirements, the configured routings, and manages the PIN validation: The validity time and the length of the PIN can be defined as well as the maximum number of failed checks in order to prevent unauthorized others to guess the PIN.

Advanced 2FA can be efficiently adapted to the particular application scenario and the security requirements.

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Picture below:
The 2FA message appears immediately on the lock screen.
Your advantage

Decide for yourself if PIN generation and validation should take place in your application or if you want to trust our experience. Both Two-Factor Authentication (2FA) and Advanced Two-Factor Authentication (Adv2FA) can fast and easily be integrated in several applications and reflect the idea of a "Two-Factor Authentication as a service": Minimizing the efforts of integration and generation of a secure multi-factor authentication. The products 2FA and Adv2FA enable technology partners of Sophos MCS, system integrators and ISVs, to protect their applications, products and services against unauthorized third.

Country-specific SMS transmission

Pre-configured routing tables with a high degree of customisation options make it possible to send messages that are individualised based on the recipient's country code. 2FA SMS can be given dynamic parameters with a unique originator number and notification text. This not only meets the legal requirements specific to a country, it also demonstrates customer proximity by sending localised text messages with a sender number from the corresponding region. The list of country-specific long numbers is growing constantly, guaranteeing unambiguous transparency and reachability on a global scale.

Scenarios:

- Additional step for all kind of log-in procedures
- Secure proof of identity in online portals like online shops, mailing services, filesharing, social media
- Authentication in B2B-applications like CRM and ERP-systems
- Mobile Tan (mTAN)
- Carsharing
- Authentication for WiFi hotspots
- Business Critical Services
Sophos MCS Web Suite

MCS Web Suite is a user-friendly, browser-based administration interface for Sophos 2FA permitting comfortable user confirmation as well as management of dynamic text and language templates. Granular access rights facilitate the creation of need-based and customer-specific user and administrator profiles, thereby reducing the risk of operator errors and misuse.

Dashboard and real-time reporting

Real-time reporting with dashboard functionality provides a transparent overview for the delivery status of each individual SMS. Daily, weekly and monthly statistics broken down by mobile network, user, recipient and campaign deliver the information needed for measuring your campaign's success and evidencing the delivery of individual messages.

Cloud Service – Hosted in Germany

The Sophos MCS Cloud platform features two independent data processing centres in Germany, with multi-redundant connections to national and international mobile providers in order to guarantee the highest level of availability. Sophos MCS is registered with Germany’s Federal Networks Agency as a telecommunications provider and is subject to German data privacy legislation.

About Sophos MCS

Sophos Mobile Communication Services (MCS) offers secure communication and IT security solutions “Hosted in Germany.” Sophos MCS is an independent business unit within the international Sophos Group and has more than 20 years of experience in ITC services and the development of communication products. Today, the offices in Dortmund focus on the operation and enhancement of professional, business critical, highly available, cloud based SMS and notification platforms. Sophos MCS service is available 24 hours a day, 7 days a week, all over the world.