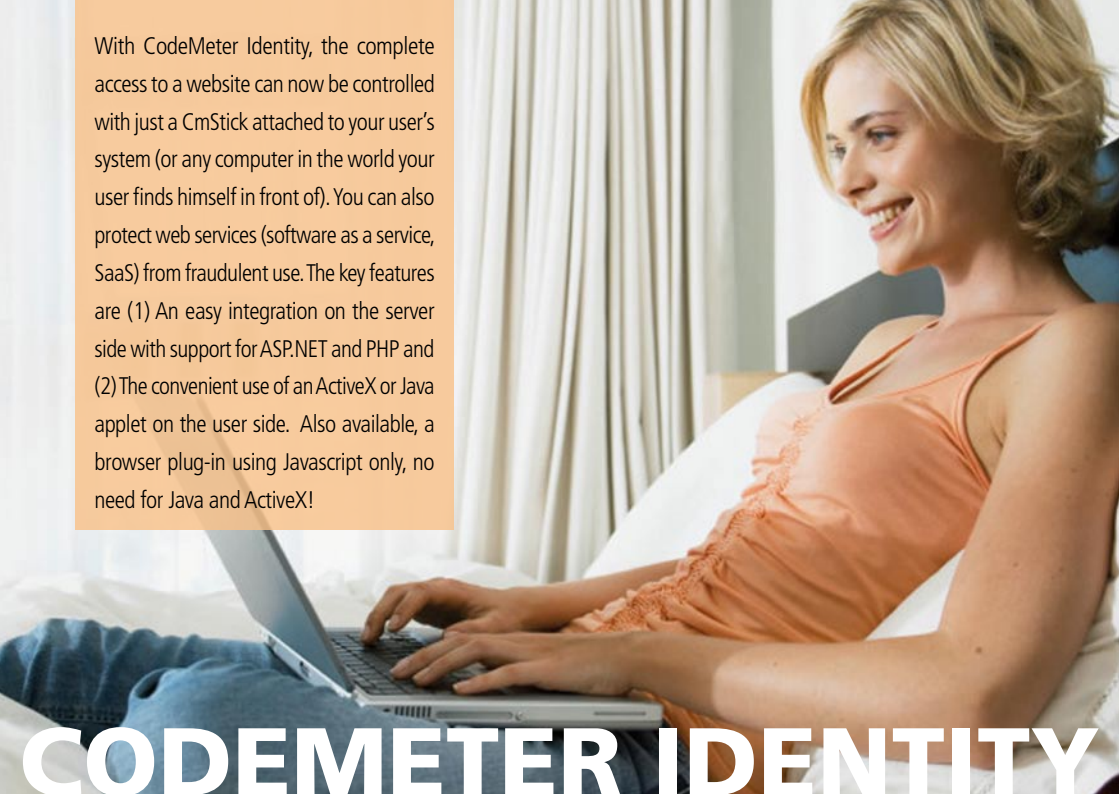


With CodeMeter Identity, the complete access to a website can now be controlled with just a CmStick attached to your user's system (or any computer in the world your user finds himself in front of). You can also protect web services (software as a service, SaaS) from fraudulent use. The key features are (1) An easy integration on the server side with support for ASP.NET and PHP and (2) The convenient use of an ActiveX or Java applet on the user side. Also available, a browser plug-in using Javascript only, no need for Java and ActiveX!



CODEMETER IDENTITY

THE SECURE WAY TO PROTECT YOUR WEBSITE AND WEB SERVICES (SOFTWARE AS A SERVICE, SAAS)

Many suggest that the movement of more and more useful applications to the Internet is one of the megatrends of the software industry. Developers started with simple interactive websites, and then progressed to complex webinstalled services. To access such applications, the user simply opens a browser and enters a web address. But developers might want to earn money with a website or they might need to store user-specific data. If so, a way to authenticate the user will be a fundamental need.

Usually, this need is met with a simple challenge, asking for a user name and secret password – awkward for the user – but even more important from the developer's point of view, very insecure. Instead of forcing the crackers to exchange floppy disks, as in the past, application crackers can now simply exchange passwords. Oh no! Piracy is getting much more convenient too!



**WIBU
SYSTEMS**



Fortunately WIBU-SYSTEMS developed CodeMeter Identity - a system for authenticating access to websites, making passwords superfluous. The user simply attaches a CmStick containing a stored key as his or her authorization to call a protected website – the actual authentication process takes place automatically in the background. An optional password permits also a two-factor-authentication.

Only the website developer can change such authorizations inside the CmStick. And, since you know, duplication of such data in the CmStick is practically impossible; users will not be able to share authorization codes illegally. But, what about the user? CodeMeter Identity makes his computing life, not only more secure, but more convenient as well. Or, with a single CmStick, he or she can store authorizations for many websites at the same time – and simultaneously he or she can use this same CmStick to run local software or view encrypted documents (Smart-Shelter). That's why the principle of CodeMeter – one storage location for all licenses – was an elegant solution for authenticating users on protected websites.

CODEMETER IDENTITY

WIBU-SYSTEMS, from the very beginning, designed into the CodeMeter hardware (CmStick, CmCard) powerful methods to provide secure authentication. ECDSA (Elliptic Curve Digital Signature Algorithm) is completely implemented in the firmware. ECDSA has been officially certified by FIPS and NIST. And these private Elliptic Curve keys will never leave the hardware, not even for a short time. This process guarantees that every authentication exchange is unique and cannot be simulated by cracker recording tools. For the first time, Web designers and HTML coders will find it easy to implement secure authentication. Knowledge on how to call the CodeMeter Programming API (for example in C++, Java or Visual Basic) is not required. It is enough to know PHP or ASP.NET.

ARE YOU CURIOUS TO TEST CODEMETER IDENTITY?

We have a free-of-charge CodeMeter Identity SDK with a user manual for web programmers. Owners of a standard CodeMeter testkit can add the possibilities of CodeMeter Identity to it by upgrading the software to the version 3.30 or higher.

Here are some special features of CodeMeter Identity which ensure easy implementation:

- Nothing has to be programmed on the client side. The CodeMeter Runtime Kit automatically manages the authentication of a website via a Java applet or an ActiveX control – independent of the operating system. Currently CodeMeter Identity supports Windows 2000/XP/Vista, Mac OS, Linux and Solaris. Also available in the future: support for Windows CE and mobile systems.
- All required parameters are stored in the suitable CmStick; the required FirmCode and ProductCode are defined by the web programmer.
- It is possible to use either the always available (but randomly created and secret) Serial Key or a provider-defined Elliptic Curve key in a SecretData Product Item Option for authentication.
- If a symmetric encryption method is preferred, you can use AES encryption with a secret key on both sides.
- The server side will never need a CmStick – good news for all the developers who store their websites at large off-site server farms, without any physical access. A simple database (easiest as an XML file) containing the Elliptic Curve public key for each authorized customer must be stored on the server. The validation is then implemented by the described ECDSA method.

**UP TO 8 GBYTE FLASH
PORTABLE FIREFOX
ZERO FOOTPRINT**

GET STARTED PROTECTING YOUR SOFTWARE FUTURE TODAY!

ARE YOU READY TO IMPLEMENT CODEMETER IDENTITY?

Special starter packages including free gifts and support are available now.

For more info please contact:

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