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Licensing SDK

Hawthorne Davies' **Licensing SDK** is a means to ensure only licensed copies of software can be run. It requires an activation process to produce an encrypted licence file. The licence file allows the software to verify the licence credentials every time the software is run.

Activation

The system uses a unique User ID along with one or more Personal System Identifiers to produce a licence file. When the user purchases, or is granted permission to use, the protected software, they are given a unique User ID. The Personal System Identifiers are produced from system information depending on the type of licensing being used – the licence can be tied to any combination of the targets system credentials, e.g. a particular USB device, a particular Windows licence, a particular network IP address, a particular CPU serial number, etc. The Personal System Identifier(s) can be tailored to your specific needs. The User ID is then used along with the Personal System Identifier and product code to generate an Activation Code. This Activation code must then be sent to the Software Licensing Server which then creates and returns a licence file.

Validation

Whenever the user runs the protected software, it checks the details encrypted into the licence file against the Personal System Identifier(s) of the system the software is being run on. Once checked and verified, the software will continue. If there is any discrepancy, the user will not be allowed to continue.

Protection

The SDK DLL file is protected from all known debugging, reverse engineering and spoofing techniques. We recommend the protected software checks the integrity of the SDK DLL file using our unique hash algorithm HDX-H every time the software is run.

Recommended System Requirements – for development

MS Windows™ operating system from Windows XP to Windows 7 (32 or 64 bit)
Minimum disk space 5.0 Mb
Minimum processor 1.6 GHz
Minimum memory 1 Gb RAM

Recommended System Requirements – for the end user

MS Windows™ operating system from Windows XP to Windows 7 (32 or 64 bit)
Minimum disk space 1.0 Mb
Minimum processor 1.6 GHz
Minimum memory 256 Mb RAM

Benefits

- A simple activation process is all that is required from the end user
- As the licence is tied to a Personal System Identifier, the protected software cannot be copied and run on any other system
- Allows for timed licenses for demonstration purposes
- Either the Software Developer or Hawthorne Davies can maintain the Software Licensing Server for management purposes
- Full documentation with code examples and best practice advice is included in the SDK