Sentinel HASP Envelope for Linux Operating Systems

Configuration File Settings

This document describes the XML configuration file used by the Sentinel HASP Envelope command-line utility (*linuxenv*) to apply protection to a Linux application. For a detailed overview of the Sentinel HASP Envelope utility, refer to the *Sentinel HASP Software Protection and Licensing Guide*.

A sample configuration file, `envconfig.cfgx`, is provided for Linux users under the following directory on the Sentinel HASP installation DVD: Linux/VendorTools/Envelope.

The following table describes the relevant XML tags available in the Sentinel HASP Envelope configuration file. Unless otherwise specified, each opening tag must be followed by a value and corresponding closing tag, according to the following format: **<tag>value</tag>**. In cases where a value is not specified, the default value is applied. Default values in the table appear in **bold**.

XML Tag	Parent XML Tag	Description	Values
<CONFIG>	No parent	Root tag of the configuration file tree.	
<INFO>	<CONFIG>	Container for information on the configuration file.	
<VERSION>	<INFO>	Version of the configuration file.	**1.1**
<COMMENT>	<INFO>	Comment on the configuration file.	
<PLATFORM>	<INFO>	Platform on which the protected application will run.	Linux.ELF
<KEY_TYPE>	<INFO>	Type of protection system used.	**Sentinel HASP**
<FILE_PROFILE>	<CONFIG>	Container holding application-specific settings.	
<INPUT_FILE>	<FILE_PROFILE>	Path to file being protected.	
<OUTPUT_FILE>	<FILE_PROFILE>	Path to protected output.	
<BACKGROUND_CHECK>	<FILE_PROFILE>	Enables or disables background checks for a Sentinel HASP key.	Integers= time intervals in seconds for background check 0=disabled **300**
<MESSAGE_OUTPUT_MODE>	<FILE_PROFILE>	Specifies options for displaying/logging end user messages. You can select all options and separate entries by commas.	0 = No message output **1** = GUI message box 4 = Output to console 5 = Output to GUI and console

XML Tag	Parent XML Tag	Description	Values
<CONSOLE_CONFIGURATION>	<FILE_PROFILE>	Specifies the char width if message output mode is set to standard error. The console does not allow mixed output, therefore you must set this switch according to the behavior of your console application.	**1**=char 2=wchar_t
<ENCRYPTION_LEVEL>	<FILE_PROFILE>	Specifies the encryption level for the executable code.	1 to 5 **4**
<HASP_PROFILE>	<CONFIG>	Container holding Sentinel HASP-specific settings.	
<VENDOR_CODE>	<HASP_PROFILE>	Vendor Code string for the Sentinel HASP key.	Vendor code string
<FEATURE_ID>	<HASP_PROFILE>	Identifier of the protected Feature. Protected application will search for this Feature ID in the Sentinel HASP key.	**0** Other values depend on Sentinel HASP key type.

<LOGIN_SCOPE>	<HASP_PROFILE>	Definition of the data that is to be searched for the Sentinel HASP licenses, in XML format. Within the <LOGIN_SCOPE> element, "<" and ">" characters must be replaced by the codes "<" and ">".
		Usage Example
		Using the login_scope element for protection for a specific Sentinel HASP ID:
		
		`<LOGIN_SCOPE>`
		`<?xml version="1.0"`
		`encoding="UTF-8"?>`
		`<haspscope>`
		`<hasp id="1183674833"`
		`/>`
		`</haspscope>`
		`</LOGIN_SCOPE>`
		
		Note: For information on the syntax for these parameters, see the topic "Scope Input XML Tags" in the Sentinel HASP Toolbox online help. You can also paste a login scope that was created using the Sentinel HASP ToolBox API into this element, replacing the "<" and ">" characters as described.
			<haspscope />

Default values appear in bold