HIRS_SwidTags Users Guide v1.0

Before you begin

The HIRS_SwidTags project supports installation on Centos 6 and Centos 7

HIRS RPMs follow the standard package name-version-release.architecture naming convention.

Example: HIRS_SwidTags-1.0-1.el7.centos.x86_64.rpm
- "1.0-1" specifies the HIRS_SwidTags version
- "e17.centos" specifies the OS version is for Redhat Enterprise Linux (Centos) 7
- "x86_64" specifies dependency on a 64-bit system
- "rpm" specifies that install package is for system supporting RPM.

The OS must be installed and configured for networking prior to installation. This should include an Administrative account that will be used for installing HIRS_SwidTags.

```
sudo yum localinstall /path/to/HIRS_SwidTags-1.0-1.el7.centos.x86_64.rpm
```

 A repository system (e.g. yum or apt-get) is configured so that the HIRS_SwidTags installation package can check for and install dependencies automatically. While it is possible to load the dependencies independently, you are highly encouraged to use a repository. If you must install without a repository setup you can use the rpm -qpR command on the specific rpm to find dependencies required to be install before installing the rpm:

```
rpm -qpR HIRS_SwidTags-1.0-1.el7.centos.x86_64.rpm
```

Installation

Download the HIRS_SwidTags RPM file, and run the following command:

```
sudo yum localinstall /path/to/HIRS_SwidTags-1.0-1.el7.centos.x86_64.rpm
```

Running HIRS_SwidTags

HIRS_SwidTags-.jar will have been installed to /opt/hirs/swidtags/. To run it, cd to the directory and run the following command:

```
java -jar HIRS_SwidTags-<version> <args>
```

The following can be given as command line arguments to HIRS_SwidTags:

\<no arg\>	Listing no command with no argument will create an example tag file (same as -e | --example)

-e | --example		Create example swid tag file (generated_swidTag.swidtag)
-c | --create		Takes given input file in the csv format and writes a swidtag with payload to the output file.
	-in <input file>	
	-out <output file>	
	-hash <algorithm>	The -hash argument is optional.
-v | --verify <file>		Takes the provided input file and validates it against the schema at http://standards.iso.org/iso/19770/-2/2015/schema.xsd
-h | --help		Prints the command help information