Data Sets Available from the National Software Reference Library

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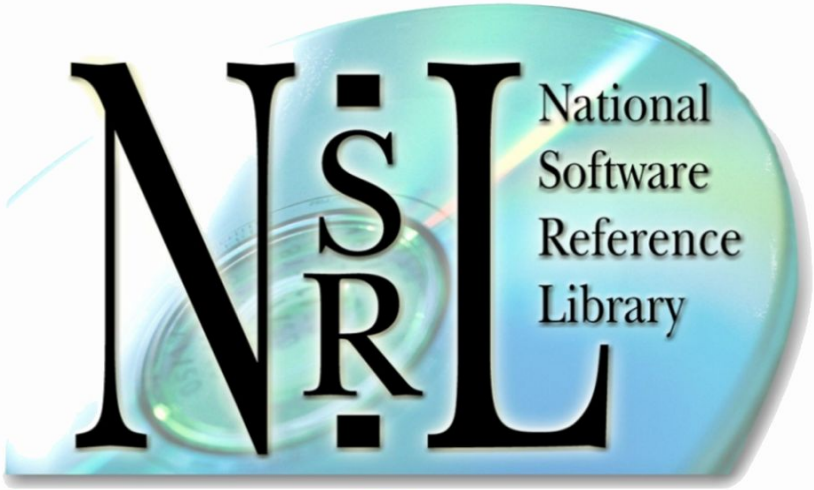
NIST Special Database #28



Reference Data Set

NIST


Aisle-Saver

National Software Reference Library (NSRL)

Welcome to the National Software Reference Library (NSRL) Project Web Site.

This project is supported by the U.S. Department of Homeland Security, federal, state, and local law enforcement, and the National Institute of Standards and Technology (NIST) to promote efficient and effective use of computer technology in the investigation of crimes involving computers. Numerous other sponsoring organizations from law enforcement, government, and industry are providing resources to accomplish these goals, in particular the FBI who provided the major impetus for creating the NSRL out of their ACES program.

The National Software Reference Library (NSRL) is designed to collect software from various sources and incorporate file profiles computed from this software into a Reference Data Set (RDS) of information. The RDS can be used by law enforcement, government, and industry organizations to review files on a computer by matching file profiles in the RDS. This will help alleviate much of the effort involved in determining which files are important as evidence on computers or file systems that have been seized as part of criminal investigations.

The RDS is a collection of digital signatures of known, traceable software applications. There are application hash values in the hash set which may be considered malicious, i.e. steganography tools and hacking scripts. There are no hash values of illicit data, i.e. child abuse images. The National Software Reference Library is a project in Software and Systems Division supported by NIST Special Programs Office.
Tags: Forensics, Digital & multimedia evidence, Information technology, and Software research

About the NSRL ›

Summary of Available Data

RDS Hashsets – Modern, Historic, Mobile-Android, Mobile-iOS, Voting

Appendix Hashsets – SHA-256, SHA-512

Approximate Matching – ssdeep, sdhash

Installations – Diskprints, Live systems

Known Tools – bulk_extractor, fiwalk

Other Algorithms – MD5B512, SHA1B512, MD5B8192, etc.

Digital Forensics XML (DFXML) Schema

Identification – SWIDtags, Taxonomies

Research Environment – Access to media, files

Validation Data – MD5, SHA-1, SHA-256, other links

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