digicert®

GNU PRIVACY GUARD (GPG) SUPPORT

Streamlining key management and digital signing for GPG environments.

Overview

DigiCert® Software Trust Manager streamlines the complexity of managing keys and signing workflows for Gnu Privacy Guard (GnuPG or GPG) environments with the DigiCert® Software Trust Manager Smartcard Daemon (STM-SCD) feature.

With DigiCert® STM-SCD, organizations are able to leverage Software Trust Manager's robust key management and access features with GPG's unique keyring architecture. STM-SCD simplifies signing effort, eliminating the need for the complex scripting and configuration often required by open source tools leveraging GPG's command line interface. And, STM-SCD provides native support for a broad range of platforms and cryptographic algorithms, simplifying key and signing management for use cases that have often been limited in other tools.

GPG Use Cases

- Debian and RPM package signing
- GPG command line file signing
- OCI-compliant container signing using Redhat tools such as podman, skopeo and buildah
- Git commit signing
- Bouncy Castle key management

DigiCert® Software Trust Manager displaying GPG master and subkey attributes and actions for key management and secure signing.

GPG-Native Features

STM-SCD extends Software Trust Manager's robust key management and access and signing workflow capabilities to GPG environments, featuring:

GPG keyring architecture support
STM-SCD supports GPG master and subkey creation and management with separation of duties, key revocation, and synchronization of private and public key servers via graphical user-interface (GUI), SMCTL (Command Line Interface) and REST APIs.

Ready-to-use smartcard interface
STM-SCD is signing-ready in three steps: 1) set up the GPG card status 2) download the keyring and 3) sign files, eliminating the complex scripting and configuration required by other tools.

Broad platform and algorithm support
STM-SCD is pre-compiled and ready for use on Windows, Linux and Mac OS and supports RSA, ECDSA and EDDSA algorithms.

Learn More

Learn more about Software Trust Manager's Smartcard Daemon for GPG here.