

Intel® Software Guard Extensions (Intel® SGX) Platform Software for Linux* OS Release Notes

16 March 2018

Revision: 2.1.2 Open Source (version: 2.1.102.43402)

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1 Introduction

This document provides system requirements, installation instructions, limitations and legal information for Intel® Software Guard Extensions (Intel® SGX) Platform Software (PSW).

Product Contents

The Intel® Software Guard Extensions PSW package includes:

- Intel® SGX Application Enclaves
- Intel® SGX Runtime System Library
- Intel® SGX Application Enclave Service Manager (AESM)

2 What's New

Intel® Software Guard Extensions PSW includes the following changes in this release:

- Mitigated security vulnerability CVE-2018-3689 (<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2018-3689>). For more details, refer to Security Advisory INTEL-OSS-10004 (<https://01.org/security/advisories/intel-oss-10004>)
- Mitigated security vulnerability CVE-2018-3626 (<http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2018-3626>). For more details, refer to Security Advisory

INTEL-SA-00117 (<https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00117&languageid=en-fr>)

Changes in Previous Releases

Intel® Software Guard Extensions PSW includes the following changes in 2.1.101.42529 release:

- Security updates to Intel® SGX PSW

Intel® Software Guard Extensions PSW includes the following changes in version 2.1.100.42002:

- Support for CentOS* 7.4
- Support for SUSE* Linux Enterprise Server 12
- Bug fixes

Intel® Software Guard Extensions PSW includes the following changes in version 2.0.100.40905:

- Support for 3072 bit Intel® SGX provisioning server public key
- Support for Intel® SGX Enclave Dynamic Memory Management (EDMM)
- Support for Red Hat* Enterprise Linux* Server 7.4

Intel® Software Guard Extensions PSW includes the following changes in version 1.9.100.39124:

- Bug fixes

Intel® Software Guard Extensions PSW includes the following changes in version 1.8.100.37689:

- Trusted Platform Service support
- Support for RedHat and CentOS

3 System Requirements

Hardware Requirements

- 6th Generation Intel® Core™ Processor or newer

Software Requirements

- Supported Linux* OS distributions:
 - Ubuntu* 16.04.3 LTS 64-bit Desktop version
 - Ubuntu* 16.04.3 LTS 64-bit Server version
 - Red Hat* Enterprise Linux* Server 7.4 (for x86_64)
 - CentOS* 7.4 (for x86_64)
 - SUSE* Enterprise Server 12 (for x86_64)

Note:

1. Intel® SGX PSW supports Intel® Xeon® Processor E3 Server V5 and onwards platforms if the platform processor and BIOS supports Intel® SGX. Please check with OEM/ODM regarding BIOS support for enabling Intel® SGX.
2. Intel® SGX platform service is not supported in Intel® Xeon® Processor E3 Server platforms.

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