nShield Database Security Option Pack

nDSOP v2.1.1 Release Notes

5 June 2025

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1. Introduction

These release notes apply to version v2.1.1 of the nShield Database Security Option Pack (nDSOP). They contain information specific to this release such as new features, defect fixes, and known issues.

The release notes may be updated with issues that have come to light after this release has been made available. Please check the https://nshieldsupport.entrust.com/hc/en-us/sections/360001115837-Release-Notes for the most up to date version of this document.

Access to the Support Portal is available to customers under maintenance. Please contact Entrust nShield Technical Support at nshield.support@entrust.com to request an account.

1.1. Purpose of this release

nShield Database Security Option Pack v2.1.1 provides:

- Compatibility with the latest LTS 13.6 Security World software and firmware.
- Support for StrictSP80056Ar3 Security Worlds.
- Support for Microsoft SQL Server 2022 and Microsoft Windows 2022/2025 Server Datacenter edition.
- Support for the latest Entrust HSMs: the nShield 5s and 5c.
- Branding updates.
- Support for the HSM variants Solo+ and Connect+ has been deprecated.
- Support for v12.40 Security World software has been deprecated.

1.2. Versions of these Release Notes

Revision	Date	Description
1.0	2025-06-05	Release notes for the nShield Database Security Option Pack v2.1.1

2. Compatibility

2.1. Supported Enterprise Editions of Microsoft SQL Server

The following Enterprise Editions of Microsoft SQL Server are supported by this release:

- Microsoft SQL Server 2022 x64
- Microsoft SQL Server 2019 x64
- Microsoft SQL Server 2017 x64

We recommend that all the latest service packs, updates and hotfixes for your version of Microsoft SQL Server are installed.

2.2. Supported Hardware Security Modules (HSMs)

This release is targeted at deployments with any combination of the following nShield HSMs:

- nShield 5s (Base, Mid, High)
- nShield 5c (Base, Mid, High)
- nShield Solo XC (Base, Mid, High)
- nShield Connect XC (Base, Mid, High, Serial Console)

2.3. Supported operating systems

This release has been tested for compatibility with the following operating systems:

- Microsoft Windows Server 2025 x64 Datacenter edition
- Microsoft Windows Server 2022 x64 Datacenter edition
- Microsoft Windows Server 2019 x64 Datacenter edition

2.4. Supported versions of Security World software

This release can be used with the following nShield Security World software installations:

- Security World v13.6 (supporting FIPS 140-2 L2/3 SoloXC/ConnectXC, FIPS 140-3 and FIPS 140-3 level 3 Security Worlds on nShield 5s/c and Common Criteria CMTS Security Worlds)

- Security World v12.80 (supporting FIPS 140-2 level 2, FIPS 140-2 level 3 and Common Criteria CMTS Security Worlds)
- Security World v12.60 (supporting FIPS 140-2 level 2, FIPS 140-2 level 3 and Common Criteria CMTS Security Worlds)

Firmware versions supported by the above releases are also supported by nDSOP.

3. Upgrading v1.01.00 deployments

The steps necessary to upgrade from an existing v1.01.00 deployment are detailed in the *nShield Database Security Option Pack User Guide*.

If upgrading from an existing nDSOP v1.01.00 deployment, and the use of v12.40.2 Security World software is retained, it will be necessary to invoke `sqlekm_retarget_keys` as follows: `"%NFAST_HOME%\python\bin\python.exe" "%NFAST_HOME%\python\scripts\sqlekm_retarget_keys.py"`