



Automotive, Industrial & Multimarket

Release Notes (V3.0.1 SP1 RC2)

Infineon TPM Professional Package

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1 Introduction

This document provides information about the released version of the Infineon TPM Professional Package .

2 Release Notes

2.1.1 Purpose of the build

Version V3.0.1 SP1 RC2

2.1.2 Descriptive Name of Deliverable

Infineon TPM Professional Package

2.1.3 Vendor Version Number

Build: 03.00.1239.05

2.1.4 Short Description

The Infineon TPM Professional Package Software is required to use your Security Platform Chip.

The Infineon TPM Professional Package Software is a TCG-compliant security solution for PCs.

2.1.5 Supported Languages

BR	- Brazilian Portuguese
CH	- Chinese simplified
CHT	- Chinese Traditional
FR	- French
GR	- German
IT	- Italian
JP	- Japanese
KR	- Korean
RU	- Russian
SP	- Spanish
US	- English

2.1.6 Supported Platforms

2.1.6.1 Operating Systems

- Microsoft Windows Vista
- Microsoft Windows XP Professional Service Pack 2
- Microsoft Windows XP Home Edition Service Pack 2
- Microsoft Windows XP Media Center Edition 2005
- Microsoft Windows XP Tablet PC Edition 2005
- Microsoft Windows Server 2003 Service Pack 1

2.1.6.2 Compatibility requirements

- On a Windows 2000 based platform the Internet Explorer versions 5.0 and 6.0 (for SSL client side authentication via Infineon TPM User CSP) and the related versions of the Outlook Express (for S/MIME utilizing the Infineon TPM User CSP).
- Microsoft Office applications Microsoft Office 2000 SR-1, Microsoft Office XP, Microsoft Office 2003 (for S/MIME and SSL client side authentication via Infineon TPM User CSP).
- Netscape Communicator application Netscape Communicator 4.7.9, Netscape Communicator 7.2 (for S/MIME and SSL client side authentication via TPM Cryptoki Token).
- RSA SecurID
RSA SecurID Software Token Software V3.0
RSA SecurID ACE/Agent Software V5.0 for web access authentication
RSA SecurID ACE/Agent Software V5.5 (plus patch: sdeap.dll V5.5.0.133) for remote access authentication
- Checkpoint
Check Point VPN-1 SecuRemote/SecureClient NG with Application Intelligence (R55)
Check Point VPN-1/FireWall-1 NG with Application Intelligence (R55)
- Entrust
Entrust Desktop Solutions 7.0:
Entrust Entelligence Desktop Manager (Entrust/Entelligence)
Entrust Entelligence E-mail plug-in for Outlook (Entrust/Express)
Entrust Entelligence File Plug-in (Entrust/ICE)
Entrust Entelligence TrueDelete (Entrust/TrueDelete)
- Adobe
Acrobat 6.0 Professional for digitally signing of PDF documents as well as encryption.

2.1.6.3 Hardware Requirements

A PC capable to run one of the mentioned operating systems and equipped with an Infineon Security Platform Chip TPM SLD 9630TT1.1 or SLB 9635TT1.2

2.1.7 Known Observations from Test Report

2.1.7.1 Not supported functionality

- Server awareness of client
- Archive with emergency recovery / password reset public key not selectable by Security Platform admin in platform init wizard

2.1.7.2 Setup

- tpm00004826 If the software is installed on an operating system which does not support policies (e.g. XP Home), then the policies are missing after an upgrade to an

operating system which supports this feature (e.g Vista Business Edition) and cannot be enabled by repair/modify of the installation. The software has to be uninstalled and reinstalled to enable the policies. This is mentioned in the Readme.txt

- tpm00000761 If the user changes the “Language for non-Unicode programs” in Control Panel, Regional settings, the Setup will run in that language and the shortcuts in the Start menu are created in the same language.

2.1.7.3 Encrypting File System

- tpm00004960 UAC and BUP dialogs pop up when administrative user logs on if OS is upgraded from XP to Vista. Workaround mentioned in the Readme.txt file.
- tpm00004293 Reconfiguration of EFS on Windows 2003 Server
Reconfiguration gets active after user has logged on again
- tpm00004244 Key Set Problem while configuring the EFS when the system time is changed. The Readme.txt mentions the workaround for this by restarting the system
- tpm00003414 (SMS00000749) 1 minute delay during log off on W2K after using EFS.

2.1.7.4 PSD

- tpm00003566 PSD TNA Load
If PSD is configured to “Load at logon” and user does not provide Basic User Password (BUP) during that process but chooses to load PSD additionally from TNA an error message “Personal Secure Drive is in use by another process” pops up. PSD can still be loaded by providing BUP in first BUP dialog.
- tpm00002404 Delete PSD with save of content
More space than really required is requested since calculation of required space for copy contains also space used by file system and system volume information of PSD drive.

2.1.7.5 Dictionary Attack

- tpm00005227 When the limit for the dictionary attack is set to 1, the TPM is not deactivated even if the count of the dictionary attack reaches this limit.
- tpm00003550 Upgrade from Infineon TPM Professional Package 2.0 with IFX TPM1.2 to Infineon TPM Professional Package 3.0:
TPM_AT_DELAY_DOUBLE_LOCK mode not set
If a PC system with IFX 1.2 TPM is initially used with Infineon TPM Professional Package 2.0, the TPM chip is not initialized with TPM_AT_DELAY_DOUBLE_LOCK mode while upgrading to Infineon TPM Professional Package 3.0.
If the user upgrades to Infineon TPM Professional Package 3.0, it does not behave the same as if he initialized with Infineon TPM Professional Package 3.0. TPM is still in TPM_AT_DELAY_DOUBLE mode.
This issue is mentioned in Readme file with according workaround.

- tpm00003623 No event log entry after entering DA defense mode
- tpm00003749 Reset of DA if Platform is in state "Initialized with Other OS" state
Calling the Platform Initialization wizard with command line parameter /resetAttack to reset DA defense measures has no effect. TPM wizard ignores parameter and wants to initialize the platform.

2.1.7.6 Entrust

- tpm00002158
 - Creation of an Entrust profile for a user id that is not TPM-initialized
Error displayed from the Entrust software - "Cryptoki device returned an unknown error value"
 - Creation of an Entrust profile for a user id that is TPM-initialized, but the platform is disabled
Error displayed from the Entrust software - "This profile must be a token profile"
- tpm00002497 Basic User Password dialog pops up twice
 - After login (entrust login is started automatically), the BUP dialog comes up twice, then the Entrust dialog "Enter pin ..." once.
 - While creating Entrust Profile BUP dialog comes up twice, in between the entrust dialog ("enter pin ...") pops up.

2.1.7.7 RSASecurID

- tpm00001061 Remote access authentication from Windows logon screen
In the Windows logon screen the PKCS#11 module does not support the option "Log on using dial-up connection".
Workaround: Log on to the system and start the remote access connection from the Control Panel, Network Connections.

2.1.7.8 Enhanced Authentication

- tpm00002809 Switch to "Enhanced Authentication" when BUK password has expired
If BUK password has expired the BUK password has to be changed first before enhanced authentication can be enabled

2.1.7.9 TNA

- tpm00005010 Just after User Initialization Wizard is finished, "Logout from EFS" is not shown in the TNA context menu.
- tpm00004357 Wrong tooltip in TNA if platform is temp disabled due to dictionary attack TNA tooltip says "Ready to use" even when TPM 1.2 chip goes into defense state and DA mode of TPM 1.2 is configured to TPM_AT_DELAY_DOUBLE_LOCK.
- tpm00003386 TNA does not offer EFS logout when EFS certificate is used which is not yet valid. When user decrypts a file which is encrypted by a certificate which is not yet valid TNA does not show "Logout from Encrypting File System" menu because EFS state is set to "needs reconfiguration".

2.1.7.10 User Documentation

2.1.7.11 Miscellaneous

- tpm00005070 On Vista systems, 30 seconds are required to open encrypted files after resuming from stand-by or hibernate mode.
- tpm00005069 BUP dialog is shown behind existing window.
- tpm00004837 WLAN is not supported on Windows Vista systems.
- tpm00004714 Error events when accessing encrypting file after key is purged.
- tpm00004527 Status update in Security Platform Control panel is missing in case the BitLocker is managed from Vista BitLocker Control Panel.
- tpm00004526 Status update in TNA and the Security Platform Control panel is missing in case the TPM is managed from Vista TPM console/wizard. A possible workaround for Owner state : Restart system.
- tpm00004272 (SMSPS00000328) Basic User Password Dialog prevents Shutdown/Restart
When the Basic User Key password is present, the user cannot perform Shutdown or Restart. However Standby and Hibernate can be performed.

2.1.8 Observations Fixed in this Release

Fixed with SP1 RC2

- tpm00005305 GetUserKeyByUUID returns an error on Vista for user who never logon Windows.
Root cause: Change request.
Fix: Fallback implementation in case AppData under "Shell Folders" does not exist.
- tpm00005302 Wrong and peculiar Japanese translation in readme and help files
Root cause: Incorrect Translations
Fix: Corrected the translations
- tpm00005287 Encryption of "Program Files\Infineon" folder causes system hang up.
Root cause: Encryption of the Installation directory of the Software causes a problem.
Fix: Prevent the encryption of the Installation directory by using the desktop.ini file.

Fixed with SP1 RC1

- tpm00005200 Missing Icon in help (Chinese simplified) of Backup
Root cause: Incorrect path setting.
Fix: Fixed the path of the file.

- tpm00005162 Wrong character assignment on Vista Chinese Traditional
Root cause: The fallback language for Chinese HongKong was Chinese Simplified
Fix: The fallback language for Chinese HongKong set to Chinese Traditional.
- tpm00005149 Typo in Help of "WLAN step by step"
Root cause: Typographical error
Fix: Corrected the error.
- tpm00005073 Windows Explorer doesn't respond after cancellation of UAC of IfxUAGUI.exe for EFS access
Root cause: Problem with UAC dialog
Fix: UAC is avoided by IFXUAGUI for restricted admin by starting the IFXUAGUI by MgmtSrv in a system context.
- tpm00005039 Some English text appears in the Readme.txt file of the other languages.
Root cause: Text was not translated.
Fix: Replaced with the translated text in each language.
- tpm00005033 On Vista platforms it is not possible to generate domain certificates using the "Certificate Selection" dialog of the TPM SW. However, domain certificates can be generated using Internet explorer or the Certificates Snap-in in Microsoft Management .
Root cause: Vista uses CertEnroll.dll for obtaining domain CA issued certificate. Host SW currently uses XEnroll.dll for requesting. Since this DLL is not present in Vista, domain certificate was not possible.
Fix: Modified the SW to use CertEnroll.dll on Vista systems.
- tpm00005030 A runtime error message is seen the first time the SW is uninstalled on a Vista 64 bit platform using the setup.exe from a CD image. Uninstallation continues after clicking OK on this dialog and completes successfully. The error message does not occur if it is uninstalled from Control Applet or Add/Remove programs.
Root cause: Related to the TNA shutdown issue.
Fix: Close handle inside TNA after unregistering the wait operation.
- tpm00004949 An error message is shown during uninstallation of the SW stating that the Taskbar notification icon has stopped working. Uninstallation continues after clicking 'OK' on this dialog and completes successfully.
Root cause: Wait handle was being closed before unregistering wait operation.
Fix: Close wait handle only after unregistering wait operation.
- tpm00004948 PSDRecovery error information needs update.
Root cause: Error string is not valid since Vista also has a Home Edition.

Fix: Modified error string to include generic "Windows Home editions" instead of OS specific "Windows XP Home"

- tpm00004931 The English word "this" appears in the Russian online help.
Root cause: The word was not translated.
Fix: Translated into Russian.
- tpm00004890 The word "Product Modes" doesn't have consistency.
Root cause: Incorrect translations.
Fix: Corrected in all languages.
- tpm00004747 On Vista systems, Owner Password File becomes invalid when Owner Password is changed via SW3.0. Warning should be displayed in this scenario.
Root cause: Change request to display warning message to inform the user that the owner password file created by Microsoft TPM Management will become invalid if the owner password is changed via the Settigns tool.
Fix: A warning message is displayed before the Owner password is changed from the SW.
- tpm00004736 Inappropriate TPM Status after TPM is initialized by Vista TPM manager
Root cause: Inability to differentiate if the TPM is initialized really with another OS or it is taken ownership by Vista.
Fix: Changed the wording of the message and provided explanation in the help file.
- tpm00004735 Inappropriate message of TNA icon in case of TPM is initialized by Vista TPM manager.
Root cause: Inability to differentiate if the TPM is initialized really with another OS or it is taken ownership by Vista?
Fix: Changed the wording of the message and provided explanation in the help file.
- tpm00004731 'Max PSD size is 10MB' is shown without enough system storage.
Root cause: Wrong sequence of error messages.
Fix: Modified the order of the error messages.
- tpm00004715 'Minimum free space after PSD creation' can not be disabled.
Root cause: With the existing policy adm file we could not distinguish between disabled and not-configured.
Fix: Modify the adm file and the code to distinguish between disabled and not-configured.
- tpm00004675, tpm00004627 Help description should be modified regarding "What information is left on a system after a successful uninstallation?"
Root cause: Change request for additional information in help files

Fix: The online help updated with the requested information.

- tpm00004674 Warning "Bitlocker Password will be required" should be displayed when disabling TPM.

Root cause: If TPM is disabled, BitLocker will need recovery password during system start..

Fix: When administrator disables the, a warning that BitLocker recovery password will be required is displayed

- tpm00004673 Disabling the "Allow Platform Enrollment" policy does not work

Root cause: Check for "Allow platform enrollment" policy was missing.

Fix: Checked for "Allow platform enrollment" policy in Advanced, PWDRreset and Backup page.

- tpm00004659 The way of upgrading from Win XP to Vista should be described in Help file.

Root cause: Change Request for additional information.

Fix: Updated the Readme.txt with the requested information.

- tpm00004649 Message indicating the configuration of different platform features is not consistent.

Root cause: Sentence with plural mode used when only one feature is being configured.

Fix: Use singular mode when only one feature is configured.

- tpm00004636 Text cut off for Restore All within the Backup option in German.

Root cause: Button size was too small.

Fix: Increased the button size.

- tpm00004629 More description of "How does TPM SW work with TPM manager (tpm.msc) and BitLocker" must be provided.

Root cause: Change request for additional information in online help.

Fix: Updated online help with requested information.

- tpm00004628 Help file has to explain UAC of Vista and TPM Host SW

Root cause: Change request for additional information in online help.

Fix: Updated online help with requested information.

- tpm0004597 Get "IfxUAGUI.exe" message every time on reboot after creating PSD.

Root cause: UAC dialog could not be brought to the foreground.

Fix: Added AttachThreadInput() handling so that UAC dialog is shown in taskbar.

- tpm00004520 Windows Vista allows administrators to disable TPM commands either through local group policy or directly through tpm.msc configuration panel. Disabling

TPM commands this way results in an error like "A TPM or TSS error occurred (0x0e280104)". This information should be included in online help.

Root cause: TCS will map specific TBS error in case of a blocked commands to the mentioned TPM error

Fix: An additional error message is displayed in this scenario and this has been explained in the online help.

- tpm00004514 In Japanese and German Vista systems, clicking on user policy button does not open policies.

Root cause: The msc files for these languages were not created correctly on a Vista system.

Fix: Recreated the msc files.

- tpm00004384 Brazilian language inconsistency with the translation of 'platform',

Root cause: Inconsistency in translations

Fix: Corrected the translations.

- tpm00004078 Brazilian Portuguese install onto Portuguese OS

Root cause: Incorrect settings in the language table.

Fix: Corrected the settings in the language table to handle this.

Fixed with RTM HF1

- tpm00005098 Readme contains some text which is not relevant for the release.

Root cause: Text was erroneously left behind in the document.

Fix: The text is deleted from the Readme.txt file.

- tpm00005009 TPM / TSS error occurs when logoff - logon is repeated.

Root cause: COM impersonation failed in Mgmt Service during logoff call of new implementation using "ISensLogon2" interface.

Fix: Moved "Logoff tasks" directly into ISensLogon2:Logoff() call to avoid usage of COM.

- tpm00004977 Conflict between TPM SW and Norton Internet Security 2007.

Root cause: PSD.sys returns zeroed DISK_GEOMETRY structure because it allows IOCTL calls before it has fully initialized this structure.

Fix : PSD.sys first initializes completely before allowing IOCTL requests and notifying mount manager.

Fixed with RC3

- tpm00004982 Missing Korean Characters during PSD log-on window

Root cause: Checkbox control was too short to accommodate full text. Also the grammar of the sentence was not correct.

Fix: Fixed the correct text and increases the size of the control to accomodate full text.

- tpm00004976 Files remaining on the HDD after Uninstallation.

Root cause: Some components C_Res and C_SpHelp_CHT had the shared flag set..

Fix: Removed the shared flag for these components

- tpm00004966 User policy missing in CHT Vista

Root cause: The target folder for the User msc file was not correct in the component.

Fix: Corrected the target path.

- tpm00004885 Installation of the software on Vista platforms is slow as compared to other operating systems.

Root cause: Issue with Installshield version 12.

Fix: Applied patch provided by Macrovision in the build environment,

- tpm00004869 Cannot create new folder in PSD on a 64 bit Vista system.

Root cause: The default registry entry present in the 64bit PSD shell extension was causing the modification of systems default entry.

Fix: Default entry removed and aligned to the 32bit PSD Shell extension registry entry.

- tpm00004471 An error occurs when a non administrator attempts to remove, repair or modify the installed SW on a Windows Vista 64 bit platform.

Root cause: An error in Installshield version 12 in determining administrative privileges

Fix: Applied patch provided by Macrovision in the build environment

- tpm00004372 On a Vista system Repair from Control panel using change option gives an "Interrupted" error for user with administrative privileges (not complete)

Root cause: A deferred custom action was running normally i.e without elevation.

Fix: The registering and unregistering of CAs are run in System Context.

Fixed with RC2

- tpm00004910 BSOD when initializing the PSD

Root cause: A driver support routine was not able to return successfully and therefore throw a Bugcheck. A probable reason was low resources..

Fix: The call to the driver support routine was replaced by a more safe routine which does not throw a bugcheck in that case and allows usual error handling then.

- tpm00004900 XP Visual styles missing for PSD runtime
Root cause: Error message retrieval needs a check to retrieve the right message from CSpError class.
Fix: Implemented the check to retrieve the correct message.
- tpm00004895 Empty error dialog box pops up if TPM is initialized by tpm.msc and try to restore by backup archive.
Root cause: Error message retrieval needs a check to retrieve the right message from CSpError class.
Fix: Implemented the check to retrieve the correct message.
- tpm00004894 Can not enable TPM from TNA context or TNA balloon message.
Root cause: Menu is shown for restricted administrator when he cannot enable the TPM.
Fix: Balloon and Menu to enable TPM is not shown for restricted administrator.
- tpm00004892 Modifications in Japanese online documentation.
Root cause: Incorrect translations.
Fix: Integrated the corrected translations.
- tpm0004880 On Vista a forced unload of PSD causes system eventlog entry ID 57 every 5s
Root cause: PSD code did a forced unload in a way where Vista's new transactional NTFS did not recognize the forced unload. Therefore it tried to write open data every 5s and as this failed, it wrote an eventlog in the name of "PersonalSecureDrive"..
Fix: PSD forced unmount now sends an additional IOCTL code to the volume.
- tpm00004878 If Hindi Language Pack is installed then there is some cutoff texts and missing elements in dialogs
Root cause: All the dialogs have the FONT attributes as 0, 0, 0x1 which is FontWeight, Italic and Charset. The Charset causes a problem in this scenario..
Fix: Modified the font for all dialogs in all languages with 400 (FW_NORMAL), 0 (No Italics), 0x0 (ANSI_CHARSET).
- tpm00004876 Multiple dialog box when clicked on "Enable Security Platform Operation" from Context menu.
Root cause: FindWindow was trying to find title without customization. So it didn't find already opened dialog.
Fix: Title string loaded and customized before FindWindow uses it. So it finds the already opened dialog and sets focus to it.
- tpm00004875 TNA hangs after Fast User Switches with mounted PSD on Vista.
Root cause: Detection of logoff/shutdown did not work on Vista.

Fix: Changed code for Vista so logoff/shutdown detection.

- tpm00004862 TNA context menu is not shown when IFX build is installed on Win2K.
Root cause: Required privilege not held by the token that creates the TNA process.
Fix: Use CreateProcess() and impersonate token.
- tpm00004835 PSD of domain user is sharable via network on Vista.
Root cause: With Vista, the function call to remove shares needs elevated rights and therefore a share was not removed any more..
Fix: PSD share removal will now be done from a system service.
- Tpm00004798 Temp disable message appears behind the CPL in Vista
Root cause: MessageBox displayed didn't have MB_SETFOREGROUND to show it in foreground.
Fix: Include MB_SETFOREGROUND option in the message box.
- tpm00004719 'PSD can not be loaded' message shown when multiple users are logging in the system using fast User Switch
Root cause: The new Vista Shutdown UI was not supported correctly when PSD drive is in use at logoff/shutdown.
Fix: The new Vista Shutdown UI is now supported when PSD drive is in use at logoff/shutdown.
- tpm00004528 TPM Storage root key (SRK) is not created the same way using Microsoft Vista TPM wizard as with IFX wizard. The impact of this is that the different SRK authorization handling leads the TPM to Temp Disable itself due to wrong authentication attempts (Dictionary Attack) during various status detection
Root cause: SRK is created with TPM_AUTH_ALWAYS by Vista TPM wizard.
Fix: Support both variants of SRK authorization handling (TPM_AUTH_ALWAYS and TPM_AUTH_NEVER)
Fix: This information is included in the online documentation.
- tpm00004374 An error occurs if the upgrade from Host SW V2.5 to V3.0 is done after upgrading from Windows 2000/XP to Windows Vista.
Root cause: Problem in older version of host software in PreInstallCheck method.
Fix: Patch applied while upgrading.
- tpm00004368 Wizards' progress indication tool tip is abruptly cut after first few letters.
Root cause: Window size was not set.
Fix: Set window size for tooltip.

- tpm00004273 Option to change the term of validity of self-signed EFS certificate

Root cause: Change request.

Fix: Policy files updated.

Fixed with RC

- tpm00004764 Non administrator is able to access Administrator's PSD on a Vista system.

Root cause: Windows Vista has a changed system behaviour.

Fix: PSD device creation was changed so that existing protection code is working with Vista again

- tpm00004598 While creating a PSD an error message is displayed that the PSD creation failed due to a cryptographic error.

Root cause: Problem with the Vista Pre RC1 MountManager in the creation of the symbolic links to the PSD.

Fix: Workaround implemented to rectify the symbolic link.

- tpm00004551 After disabling TPM from BIOS (F10), get an inconsistent message when trying to access Manage under User Settings properties page on Vista32 (Build 5381).

Root cause: Change request to change the message.

Fix: Changed message to the text requested

- tpm00004489 In the TempDisabled state the system does not restart automatically after the prompt "Do you want to restart?"

Root cause: Token to start process did not have all privileges as needed.

Fix: Use token with necessary privileges.

- tpm00004457 On a Windows XP 64 bit system TNA icon does not appear on the toolbar when fast user switch is enabled.

Fix: Use token with necessary privileges

- tpm00004424 "Owner password complexity" validation is not implemented for Platform and backup Wizard.

Root cause: Owner password complexity policy introduced.

Fix: Owner password complexity policy implemented.

- tpm00004383, tpm00004382 Brazilian Language issues

Root cause: Errors introduced during the translation.

Fix: Translations corrected

- tpm00004381 Translation terminology update
Root cause: Change request to add Security Module and Security Platform Module to the "Not to be translated" list.
Fix: Added the terms to the list.
- tpm00004373 Documentation regarding the minimum PSD size to be updated to include the difference between Windows Vista platforms and other operating systems.
Root cause: The minimum size of PSD has been changed to 20MB for Windows Vista platform since the file system (NTFS) reserves more space on a Vista system than on other operating systems..
Fix: The online documentation updated to reflect the difference between the minimum PSD size on Vista and on other other platforms.
- tpm00004279 Minor truncated screen after PSD creation.
Root cause: Problem with the painting of the wizard dialog
Fix: Moved PSD call in a thread so that wizard has no problem to paint itself.
- tpm00004278 Grammatical errors in the help files
Fix: Corrected the errors

Fixed with Beta2

- Setup displays a dialog indicating that an evaluation version of Installshield was used for the build. Installation continues as normal after pressing 'OK' in this dialog.
- tpm0004453 Drop down option is missing from Backup Wizard.
Root cause: Bug in calculation window size to create combobox inside a list control when system user count is 3.
Fix: Fixed the calculation of window size.
- tpm00004454 Orange frame still remains after pushing buttons in the Backup tab of Infineon Security platform Settings tool.
Root cause: Problem with modal process handling.
Fix: Fixed the modal process handling.
- tpm00004421 Owner password still showing one attempt after defense measures and the Disable/Enable button is still enabled.
Root cause: Enable/Disable Button is not disabled if chip goes into temp disabled state due to dictionary attack.
Fix: If TPM chip is 1.2 and the chip is temp disabled due to dictionary attack we disable the "Disable/Enable" button.
- tpm00004408 TPM Wizard fails after initializing TPM with the built-in Vista wizard.
Root cause: Readout of public key of SRK was not enabled in TPM during initialization of Security Platform.

Fix: Added missing functionality during initialization of Security Platform.

- tpm00004386 License dialog is not displayed during installation on a Vista system.
Root cause: Dynamic approach for License page does not work under Vista systems.
Fix: Static license page incorporated.

- tpm00004352 TempDisabled State: Warning message not appropriate.
Root Cause : Restart privileges were checked and error shown before asking the user to whether to restart or not.

Fix: First ask the user whether to restart or not and then only proceed with checking privileges.

- tpm00004027 PSD driver cannot be loaded on a 64 bit Vista OS as it is not signed
Root cause: PSD driver was not signed.
Fix: PSD driver is signed and cat file installed

- tpm00003941 Disable Paste operation into password edit controls in order to prevent user from saving his password in a text file.
Enable stringent password policy does not work in Password Reset wizard when the administrator is preparing. The edit box (Enter password for protecting this file for reset code) to key in password allows pasting of the password

Root cause: Change Request.

Fix: "Stringent Password field security" policy implemented for all password edit controls that would appear in UI. Based on this policy the password edit control will behave accordingly

- The online help when installed in a Russian OS is in English.

Fixed with Beta1

- tpm00004249 Backup The setup warning message on a deprecated OS has to changed with respect to Vista upgrade.
Root cause: Change request
Fix: A new warning message is displayed when the SW is installed on a deprecated OS (e.g Windows 2000 and Windows 2000 Server)

2.1.9 Obsolete Observations

- tpm00004784 Counter of failed attempts does not appear on screen for changing user password.

Reason : This was not reproducible by development team and also received confirmation from customer that it was not reproducible by them either,

2.1.10 Installation Instructions

The module <Setup.exe> installs the Infineon TPM Professional Package Software.

Installing Infineon TPM Professional Package Software requires administrative rights.

2.1.11 WHQL Certification State

Guardionic Solutions has a signed contingency from Microsoft for its PSD.SYS driver that WHQL is not applicable to this driver. Contingency No: 622

2.1.12 Files Installed or Changed

2.1.12.1 Installed Files

File Name	Installation Directory	Comment
CustomBIOS.htm	%INSTALLDIR%%MUI%	Online Help for BIOS information
FooterLine.gif	%INSTALLDIR%%MUI%	Online Help for BIOS information
SecurityPlatform.chm	%INSTALLDIR%%MUI%	Security Platform Help
License_%S.rtf	%INSTALLDIR%%MUI%	License text
Logo.gif	%INSTALLDIR%%MUI%	Logo
Readme.txt	%INSTALLDIR%%MUI%	Release Notes
ReadmeUpgrade.txt	%INSTALLDIR%%MUI%	Release Notes for upgrade
IfxSpURs%MUI.dll	%INSTALLDIR%	Common UI resource DLL
IFXTRs%MUI%.dll	%INSTALLDIR%	IFX TSS Resource DLL
IFXTRsMs.dll	%INSTALLDIR%	IFX TSS Message Table Resource DLL
SpPolSys.msc	%INSTALLDIR%%TARGET_OS%%MUI%	MMC template: Security Policy – System
SpPolUsr.msc	%INSTALLDIR%%TARGET_OS%%MUI%	MMC template: Security Policy - User
SpMigWz.exe	%INSTALLDIR%	Security Platform Migration Wizard
SpMUIHlp.exe	%INSTALLDIR%	MUI Helper for launching the Getting Started Guide
SpTna.exe	%INSTALLDIR%	Security Platform TNA
SpTPMWz.exe	%INSTALLDIR%	Security Platform Initialization Wizard
SpUserWz.exe	%INSTALLDIR%	Security Platform User Initialization Wizard
SpP12Wz.exe	%INSTALLDIR%	Security Platform PKCS#12 Import Wizard
SpPwdResetWz.exe	%INSTALLDIR%	Security Platform Password Reset Wizard
SpBackupWz.exe	%INSTALLDIR%	Security Platform Backup Wizard
SpUpgrade.exe	%INSTALLDIR%	Tool for upgrading from V1.70 to this version
IfxSpPol.adm	%POL%	Administrative Template for Group Policy Editor
IFXTPM.sys	%DRIVER%	TPM Kernel Device Driver
CapiCom.dll	%SYS32%	CAPICOM support; Redistributable from Microsoft
IfxSpMgt.cpl	%SYS32%	Security Platform Control Panel Applet

File Name	Installation Directory	Comment
IfxSpMgt.dll	%SYS32%	Security Platform Management Provider
IfxSpMgt.exe	%SYS32%	Security Platform Management Service
IfxSpMps.dll	%SYS32%	Security Platform Management ServiceProxy/Stub – 32 bit
IfxSpMps.dll	%SYS64%	Security Platform Management ServiceProxy/Stub – 64 bit
IFXTCS.exe	%SYS32%	TSS Core Service
IFXTCSps.dll	%SYS32%	TSS Core Service Proxy/Stub – 32 bit
IFXTCSps.dll	%SYS64%	TSS Core Service Proxy/Stub – 64 bit
IFXTPM.dll	%SYS32%	TSS Device Driver Library
IfxTPMCK.dll	%SYS32%	IFX PKCS#11 Provider – 32 bit
IfxTPMCK.dll	%SYS64%	IFX PKCS#11 Provider – 64 bit
IFXTPMCP.dll	%SYS32%	TPM Cryptographic Provider – 32 bit
IFXTPMCP.dll	%SYS64%	TPM Cryptographic Provider – 64 bit
IFXTSP.dll	%SYS32%	TSS Service Provider – 32 bit
IFXTSP.dll	%SYS64%	TSS Service Provider – 64 bit
IfxUAGUI.exe	%SYS32%	IFX User Authorization Server
IfxUAGps.dll	%SYS32%	IFX User Authorization Server Proxy/Stub – 32 bit
IfxUAGps.dll	%SYS64%	IFX User Authorization Server Proxy/Stub – 64 bit
IfxSPArc.dll	%SYS32%	Security Platform Archive Access Component – 32 bit
IfxSPArc.dll	%SYS64%	Security Platform Archive Access Component – 64 bit
IfxXmlRs.dll	%SYS32%	XML Resource DLL

Personal Secure Drive:

File Name	Installation Directory	Comment
Psd.dll	%INSTALLDIR%	Personal Secure Drive Middleware module
PSDCFGWZ.ocx	%INSTALLDIR%	Personal Secure Drive Configuration Wizard Pages
PSDRs%MUI%.dll	%INSTALLDIR%	Personal Secure Drive Language Ressource DLL's
PSDMsg.dll	%INSTALLDIR%	Personal Secure Drive Message Library for Event Logging
PSDrt.exe	%INSTALLDIR%	Personal Secure Drive Runtime Application
PSDShExt.dll	%SYS32%	Personal Secure Drive Explorer Shell Extension –

File Name	Installation Directory	Comment
		32 bit
PSDShExt.dll	%SYS64%	Personal Secure Drive Explorer Shell Extension – 64 bit
IfxPsdSv.exe	%SYS32%	Personal Secure Drive Windows Service
PSD.sys	%DRIVER%	Personal Secure Drive Disk driver
PSDRecovery.exe	%OS%	Personal Secure Drive Recovery Tool

Following files will be temporarily installed during the installation process and will be removed after the installation process finished:

File Name	Installation Directory	Comment
IfxInstDrv.dll	%SUPPORTDIR%	Driver Installation Helper DLL
IfxInstHlp.dll	%SUPPORTDIR%	Installation Helper DLL
License_%S.rtf	%SUPPORTDIR%	Licence text displayed in License Agreement Dialog
IfxDrvSetupAppl32.exe	%SUPPORTDIR%	Driver Installation Helper Exe
IfxDrvSetupAppl64.exe	%SUPPORTDIR%	Driver Installation Helper Exe

Installation Directory:

Abbreviation	Windows 2000 / XP	Comment
%DRIVER%	<Windows>\System32\Drivers	
%HELP%	<Windows>\Help	
%INSTALLDIR%	<Program Files>\Infineon\Tpm Software	Default installation directory, but user may change it
%MUI%	US, FR, GR, SP, IT, JP, CH, CHT, KR, RU	Abbreviation for MUI support identifying a certain language
%OS%	<Windows>	
%POL%	<Windows>\inf	
%SUPPORTDIR%		Dynamically created by Windows Installer on start of a installation process. It is automatically removed on process finish.
%SYS32%	<Windows>\System32 <Windows>\SysWow64	On a 32 bit operating system On a 64 bit operating system

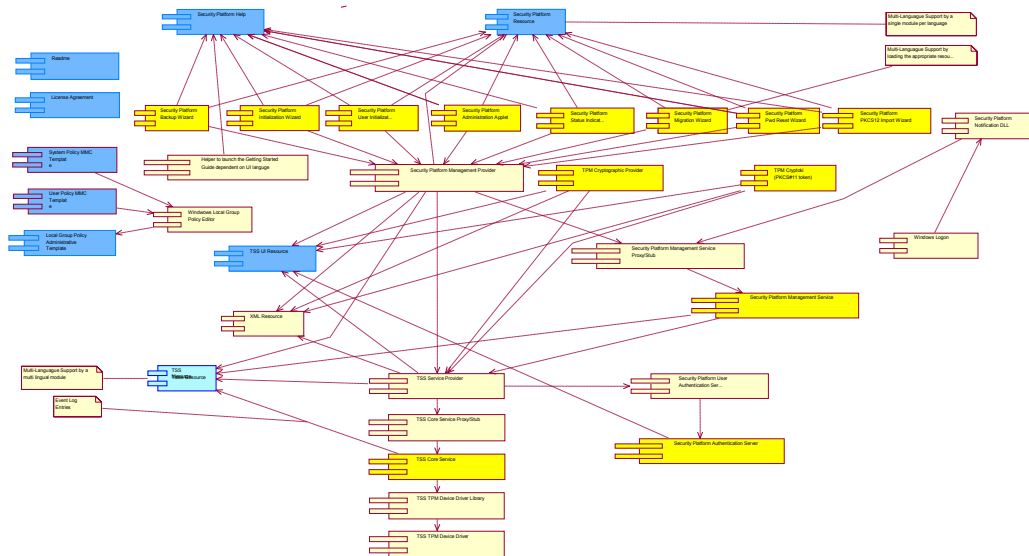


Infineon TPM Professional Package

Project Specific Documents

Abbreviation	Windows 2000 / XP	Comment
%SYS64%	<Windows>\System32	On a 64 bit operating system
%TARGET_OS%	WXP, W2K, Vista	Abbreviation for the target OS

2.1.13 Component dependencies



2.1.14 Co-requisite hardware or software

2.1.14.1 BIOS Requirements

BIOS ACPI plug and play support for the Security Platform Chip.

2.1.14.2 Security Platform Chip

- Security Platform Chip: TPM SLD 9630TT1.1
Firmware: Version 1.05
- Security Platform Chip: SLB 9635TT1.2
Firmware: Version 1.00

3 Debug Versions

PSD supports event logging also for debugging purposes.

The PSD event logging is controlled via registry entries at
HKEY_LOCAL_MACHINE\Software\Microsoft\Windows\CurrentVersion\App Paths\PSDapp

The event log level is set by the value 'EventLogging' as REG_DWORD, this value is set at install time.

Following values are defined:

- No event log

0 No event log

1 Only error events

2 Error and warning events (**default** at installation)

3 Error, warning and information events

4 Error, warning, information and debug events (EventDebugging value)

In case of debug events, an additional value 'EventDebugging' controls with module posts debug events as REG_DWORD, one or more values can combined (added) together.

0x00000001 PSD.dll

0x00000002 PSDrt.exe

0x00000004 PSDsvc.exe

0x00000008 PSDCFGWZ.ocx

0x00000010 PSDShExt.dll

0x00000040 PSDrecovery.exe

0x00000100 unmount.exe (only visible at uninstall time)

Note:

Enabling debug events for all modules will fill up the eventlog very fast.

Therefore the recommendation is to change the event log properties.

Increase the log size and enable the option "overwrite events as needed".

