

Product: Nexus Personal

Version: 4.10

Availability date: 1st February 2009

General information

This is a standard, generally available Nexus Personal release. It is available for Windows, Mac OS and Linux.

Packaging

The following Nexus Personal packages are generally available for Windows:

- .cab
- .xpi
- PersonalSetup.exe
- persinst.exe (signed)
- persinst.exe (unsigned)

The Windows and Mac OS packages include full smart card support. Language support is available for Swedish, English, German and French. Danish, Finnish, Icelandic and Norwegian are available as add-on packages.

The standard Linux package includes limited smartcard support for CardOS, Prisma and Setec; and language support for English and Swedish.

Customized packages or configurations can be delivered by Nexus Professional Service in a customized package upon request.

Documentation

The following documentation is available:

- Nexus Personal Technical Description (pdf)
- Nexus Personal MsgRefGuide (pdf)
- personal.cfg
- persinst.cfg
- release.txt

Compatibility information

Language support

The following languages are supported:

- Swedish (contained in all packages)
- English (contained in all packages)
- German (contained in the Windows package)
- French (contained in the Windows and Mac OS packages)
- Norwegian (contained in the Mac OS package, available as add-on for Windows)
- Danish (contained in the Mac OS package, available as add-on for Windows)
- Icelandic (contained in the Mac OS package, available as add-on for Windows)
- Finnish (contained in the Mac OS package, available as add-on for Windows)

Languages not included in the standard package can be delivered by Nexus Professional Service in a customized package upon request.

Platforms

- Windows Vista x64 Edition running 32 bit applications
- Windows Vista Ultimate
- Windows Vista Business
- Windows Vista Home Premium
- Windows Vista SP1
- Windows XP Professional x64 Edition running 32 bit applications
- Windows XP Media Center Edition
- Windows XP Pro
- Windows XP Home
- Windows 2000
- Windows Terminal Services running against Windows 2003 server
- Citrix MetaFrame XP
- Citrix MetaFrame 4.0
- Mac OS 10.4.11 on Power PC CPU
- Mac OS 10.4.11 on Intel CPU
- Mac OS 10.5.5 on Intel CPU
- Linux Ubuntu 8.04 desktop

Smart card support

The Windows and Mac OS packages include full smart card support:

- Gemalto SetAccess IS 4.4.1 (a and b) (Setec SetCos 4.4.1 and b)
- Gemalto SetAccess Instant IS (Setec Instant EID)
- Gemalto SetAccess TPC IM Free Mode (SetCOSXpresso initialized in free mode)
- Gemalto SetAccess Instant TPC IM
- Gemplus GPK8000
- Gemplus GPK16000
- G&D StarCOS SPK 2.3
- G&D CSSI applet (Sm@rtCafé Expert)
- MULTOS Keycorp Ltd. PKI application
- Orga Micardo 2.1
- Schlumberger Cryptoflex e-gate
- Schlumberger Prisma EP v1.0 Calc 2.1
- Setec SetCOS v4.3.1

- Siemens CardOS M4.01
- Siemens CardOS M4.01a
- Siemens CardOS V4.2
- Siemens CardOS V4.2b (Aladdin e-token)
- Siemens CardOS M4.3
- Siemens CardOS M4.3b
- TCOS 2.0 R3

The standard Linux package includes limited smartcard support:

- Schlumberger Prisma EP v1.0 Calc 2.1
- Setec SetCOS v4.3.1
- Siemens CardOS M4.01
- Siemens CardOS M4.01a
- Siemens CardOS V4.2
- Siemens CardOS V4.2b (Aladdin e-token)
- Siemens CardOS M4.3
- Siemens CardOS M4.3b

Browser support

- Internet Explorer 6.0 SP 1
- Internet Explorer 7
- Firefox 2.0, 2.0.0.3, 2.0.0.4, 2.0.0.11, 2.0.0.12, 2.0.0.16, 2.0.0.17

Discontinued features

MS CAPI.dll is removed from the installation

The MS CAPI.dll has now been removed from the installation. It has been required for the integration with the Swedish BankID CBT client. This is no longer required.

New features in this release

Additional language support

More languages are supported in this version of Nexus Personal:

- Danish
- Finnish
- Icelandic
- Norwegian

Linux support

In former releases of Nexus Personal, Linux support has been limited to the Nexus Personal PKCS#11. In this new release, this support is extended to support most of the functions in Nexus Personal.

Nexus Personal for Linux is verified on Linux Ubuntu 8.04 desktop (with GTK+). The following limitations apply in Nexus Personal 4.10 for Linux.

- Language support: only English and Swedish.
- No PIN-Pad support.
- Export/Import functionality only available via a command line interface.
- Limited Administration plug-in support (only *renewPollDates* supported).
- Context driven help system not supported. .
- Branding and automatic update checking will not be supported.

Mac OS specific updates

The Nexus Personal Mac OS version has been updated to be interoperable with some Swedish BankID CBT client token management functions.

XML signature support

Nexus Personal has been extended to support a new XML signature format. This is implemented as a new plug-in, WebSigner2. The implementation is based on XML signature standards¹. This is a sub-set of the XML Signature recommendation. The first customer to use this new Nexus Personal plug-in is Swedish BankID.

Application level authentication support

Nexus Personal includes a new authentication plug-in, called the Authentication plug-in. The new plug-in is implemented as an alternative to client side SSL authentication. BankID has influenced the requirement specification.

The new WebSigner2 and Authentication plug-ins

WebSigner2 and the Authentication plug-in are very similar. The differences are the following:

- WebSigner2 uses the non-repudiation key for signature, while Authentication plug-in uses the digital signature key.
- WebSigner2 can show the text that is to be signed, while Authentication plug-in not.
- Upon token removal the Authentication plug-in may post a message back to the server. There is no such function in WebSigner2.

Important features of the WebSigner2 and the Authentication plug-ins are:

- The plug-ins are scriptable.
- The certificate filtering function of the previous WebSigner is available. In addition to this it is also possible to filter on policy ID.
- Expired certificates are NOT shown per default.
- The format of the generated signature is XML¹.
- If the end-user smart card is blocked then this information can be sent back to the server for follow up.
- The GUI strings for PIN/Password can be configured to change depending on the token type used. This feature may not be relevant in all languages and is only configurable via the branding module.
- The standard WebSigner branding capabilities are available (branding module). The plug-ins may be activated with or without branding.

Security enhancements in the WebSigner2 and Authentication plug-ins:

- The plug-ins check the DNS against the server that has called the plug-in and add the IP-address together with the fully qualified domain name in the signature that is sent back to the server.
- The GUIs also show the fully qualified domain name of the calling server.
- The plug-ins may only be used over SSL.

¹ According to "XML-Signature Syntax and Processing", W3C Recommendation, 12 February 2002, and the "Signature Profile for BankID", version 1.1, 8 April 2008

Enhancements in the Auto-update plug-in

The purpose of the Nexus Personal Auto-update is to enable effective control over what version of the client software that the end-user is running and in some cases even force the end-user to upgrade. The Auto-update function is configured in a branding module.

The new feature in the Auto-update concept includes the possibility to add the “Best before date” into the signature via the Authentication plug-in and the WebSigner2 plug-in. The “Best before date” is the latest date when the client needs to check, whether there is a more recent version of the client software.

Unbranded Registration Utility dialog capabilities in a branded version of Personal

As for the WebSigner2 and Administration plug-ins, it is possible to activate the Registration Utility plug-in in an unbranded mode even though the actual Nexus Personal software is branded. This is useful for example in an environment where there are multiple service providers, multiple CAs and/or multiple users on one single PC using the client for different purposes.

Pricing

Please contact your sales representative for pricing information.

Requesting a copy of the new release

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How to contact us

To provide feedback or to suggest product enhancements, please send an email to products@nexussafe.com. If you have questions about the product or this bulletin, do not hesitate to contact us. General information is available at: <http://www.nexussafe.com>.

Best regards,

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