# SafeNet Authentication Client Integration Guide

# Using SAC CBA for IBM Notes





THE DATA PROTECTION COMPANY

### **Document Information**

Document Part Number	007-012954-001, Rev. A
Release Date	April 2015

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Contact Method	Contact Information
Mail	SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017, USA
Email	TechPubs@safenet-inc.com

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# Third-Party Software Acknowledgement

This document is intended to help users of SafeNet products when working with third-party software, such as IBM Notes.

Material from third-party software is being used solely for the purpose of making instructions clear. Screen images and content obtained from third-party software will be acknowledged as such.

### Description

This document describes how to enable smart card logon options in IBM Notes using SafeNet USB Tokens managed by SafeNet Authentication Client.

SafeNet Authentication Client (SAC) is a public key infrastructure (PKI) middleware that provides a secure method for exchanging information based on public key cryptography, enabling trusted third-party verification of user identities. SafeNet's certificate-based tokens provide secure remote access, as well as other advanced functions, in a single token, including digital signing, password management, network logon, and combined physical/logical access.

The tokens come in different form factors, including USB tokens, smart cards, and software tokens. All of these form factors are interfaced using a single middleware client, SafeNet Authentication Client (SAC). The SAC generic integration with CAPI, CNG, and PKCS#11 security interfaces enables out-of-the-box interoperability with a variety of security applications, offering secure web access, secure network logon, PC and data security, and secure email. PKI keys and certificates can be created, stored, and used securely with the hardware or software tokens.

SafeNet Authentication Manager (SAM) provides your organization with a comprehensive platform to manage all of your authentication requirements, across the enterprise and the cloud, in a single, integrated system. SAM enables management of the complete user authentication life cycle. SAM links tokens with users, organizational rules, and security applications to allow streamlined handling of your organization's authentication infrastructure with a flexible, extensible, and scalable management platform.

SAM is a comprehensive token management system. It is an out-of-the-box solution for Public Certificate Authorities (CA) and enterprises to ease the administration of SafeNet's hardware or software tokens devices. SAM is designed and developed based on the best practices of managing PKI devices in common PKI implementations. It offers robust yet easy to customize frameworks that meets different organizations' PKI devices management workflows and policies. Using SAM to manage tokens is not mandatory, but it is recommended for enterprise organizations.

For more information, refer to the SafeNet Authentication Manager Administrator Guide.

IBM Notes software client is a single point of access that simplifies the integration of messaging, business applications, and social collaboration into one easy-to-use workspace.

Without the use of a smart card, you only need your User ID and IBM Notes password to access the application. The advantage of using a smart card is that you can lock your User ID, which adds another layer of protection. Using a smart card, you need your User ID, smart card, and smart card PIN to access the application. And because you carry your smart card with you (just as you would carry a credit card), you are much less vulnerable to User ID theft.

It is assumed that the IBM Notes environment is already configured and working with static passwords prior to implementing SafeNet multi-factor authentication.

# Applicability

The information in this document applies to:

- SafeNet Authentication Client (SAC) SafeNet Authentication Client is the middleware that manages SafeNet's tokens.
- IBM Notes Social Edition

### Environment

The integration environment that was used in this document is based on the following software versions:

- SafeNet Authentication Client (SAC) Version 9.0
- IBM Notes Social Edition Version 9.0

## Audience

This document is targeted to system administrators who are familiar with IBM Notes and are interested in adding smart card logon capabilities in IBM Notes using SafeNet tokens.

# Authentication Flow using SAC

The diagram below illustrates the flow of smart card logon for IBM Notes using the SafeNet smart card or eToken.



- 1. A user attempts to connect to the IBM Notes server using the IBM Notes client application.
- 2. The user inserts the SafeNet token on which his certificate resides, and, when prompted, enters the token password.

3. After successful authentication, the user is allowed access to IBM Notes.

## Prerequisites

This section describes the prerequisites that must be installed and configured before implementing smart card logon for IBM Notes using SafeNet tokens:

- SafeNet Authentication Client (v9.0) should be installed on all client machines.
- A pre-loaded Internet certificate and key is present on the SafeNet smart card or eToken.
- IBM Notes should be installed and configured with domino server.
- If SAM is used to manage the tokens, TPO should be configured with MS CA Connector. For further details, refer to the section "Connector for Microsoft CA" in the *SafeNet Authentication Manager Administrator's Guide*.
- Users must have a SafeNet token with an appropriate certificate enrolled on it.

### Supported Tokens in SAC

SAC supports a number of tokens that can be used as second authentication factor for users who authenticate to IBM Notes.

SafeNet Authentication Client 9.0 (GA) supports the following tokens:

#### Certificate-based USB tokens

- SafeNet eToken PRO Java 72K
- SafeNet eToken PRO Anywhere
- SafeNet eToken 5100/5105
- SafeNet eToken 5200/5205
- SafeNet eToken 5200/5205 HID and VSR

#### **Smart Cards**

- SafeNet eToken PRO Smartcard 72K
- SafeNet eToken 4100

#### **Certificate-based Hybrid USB Tokens**

- SafeNet eToken 7300
- SafeNet eToken 7300-HID
- SafeNet eToken 7000 (SafeNet eToken NG-OTP)

#### Software Tokens

- SafeNet eToken Virtual
- SafeNet eToken Rescue

### **Configuring IBM Notes**

This section covers two ways to enable smart card login in IBM Notes, and, for an additional layer of protection, how to store Internet private keys on a smart card.



**NOTE:** This method assumes that the Internet certificate that you will use to secure the ID file is stored on the Smartcard. If it is stored in the ID file instead, before performing this procedure you must a) enable Smartcard login by securing the ID file with a secret, and b) move the Internet keys to the Smartcard.

### Enabling Smart Card Login to Secure the ID File with an Internet Certificate Key

This type of configuration secures the ID file using a private key from a personal Internet certificate stored on the smart card. This method supports the use of smart cards on which the Internet certificate and keys are preloaded, which means there is no need to make changes to the smart card (therefore, read-only smart cards can be used).



**NOTE:** Once smart card login is enabled for your Notes User ID, you cannot disable it. You will be prompted for your smart card Personal Identification Number (PIN) in place of your IBM Notes password. Please ensure your User ID is recoverable.

1. On the Windows desktop, double-click IBM Notes.



2. On the IBM Notes window, select File > Security > User Security.

🏶 Mail - Inbox - IBM Notes			_ 8 ×
File Edit View Create Actions To	iols Window Help		
New		🔀 🔻 Search All Ma	٩
Open Fax			
Close Esc			
Save As Otrl+Shift+S AutoSave	New * Reply * Reply to All * Forward * 🖿 * 🏲 前 🖪 * More * C 📿 *	Sho	w •
Application	I who → Subject	Date Size	⊘► 💾
Replication	🛛 Administrator Hello	3:08 AM 1K	
Locations			
➔ Import			
Export			
Page Setup			
Print Preview			
Print Ctrl+P			
Preferences			
Properties Alt+Enter			
Change Password	W USER SECURITY		_
Sametime	Switch ID., Hello		
Close All	Switch User Administrator to: Administrator	08/12/2014 03:08 A	м
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🎝 Start 🐁 🗵 🏹 🖬		ର 🖻 🍖 🔤 🐑 😡	11:18 AM 📃

3. On the User Security window, select Your Identity > Your Smartcard.

	Security			2
	Security B	asics		
	Your Identi	tv		
	Your Name	s		
	Your Certifi	icates	Enable Smartcard Login	
	Your Smart	card	If you are using a smartcard, then you should carry it with you. Your personal possession of the smartcard	1
👧 E	Identity of	Others	decreases the possibility of misuse and theft for your Notes identity and the private information stored on the smartcard.	he
🧐 E	What Othe	Smartca	ard Configuration	? ×
🎯 E	Notes Data	Smartca	ards and other cryptographic tokens add security to your Notes environment. To make use of smartcard securit	y
2	Mail	features	, you need a supported smartcard, and a smartcard reader attached to your system.	
		A smartc the smar	and software driver enables Notes to communicate with the smartcard reader. You must provide the file name tcard driver provided by your smartcard manufacturer.	of
		Smartca	ard driver file	
		If you do	on't know where the smartcard driver is, you should investigate these possibilities:	
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		1		
			Continue Cance	

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

4. On the Smartcard Configuration window, click the Smartcard driver file folder icon , browse to the C:\Windows\System32\eTpkcs11.dll file, and then click Continue.

Smartcard Configuration	8	X
Smartcards and other cryptograp features, you need a supported	whic tokens add security to your Notes environment. To make use of smartcard security smartcard, and a smartcard reader attached to your system.	
A smartcard software driver enal the smartcard driver provided by	les Notes to communicate with the smartcard reader. You must provide the file name of your smartcard manufacturer.	F
Smartcard driver file C:	Windows\System32\eTPKCS11.dll	
If you don't know where the sma <activclient 5.4=""> <a-trust a-sign="" client="" v1.2.2.1=""> <belgian eid=""></belgian></a-trust></activclient>	ntcard driver is, you should investigate these possibilities: c:\winnt\system32\acpkcs211.dll c:\winnt\system32\asignp11.dll c:\winnt\system32\Belgium Identity Card PKCS11.dll	•
•		
	Continue Cancel	

5. Under Your smartcard configuration, verify that values are displayed in the Smartcard Manufacturer and Smartcard Serial Number fields.

User	Security		2 🛛
-	Courte Davies		h Notes
Security Basics		Use of a smartcard or cryptogr Notes ID requires you to provid	aphic token with Notes adds protection for your Notes ID. A smartcard-enabled de your smartcard at login time and when using Notes. When you login, you would
Your Names	Your Names	enter your smartcard or cryptog	graphic token's PIN rather than a Notes password.
	Your Certificates		Enable Smartcard Login
	Your Smartcard	Kuni an using a supplement	there you should ensure with you. Your personal economics of the ensurement
<b>(2</b>	E Identity of Others	decreases the possibility of n	nisuse and theft for your Notes identity and the private information stored on the
<b>8</b>	E What Others Do		
🧐 E	E Notes Data	Your smartcard configura	
2	Mail	Smartcard Manufacturer	SafeNet, Inc.
		Smartcard Serial Number	01dc49b7
			Configuration Details OK Close

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

- 6. Click Configuration Details.
- 7. Review the smartcard configuration information, and then click **OK**.

Smartcard Configur	ation Details		? X
Notes has detected t	the following information about the cor	nfiguration of your smartcard or cryp	tographic token.
Cryptographic Tol	ken		
Manufacturer	SafeNet, Inc.	Model	eToken
Serial number	01dc49b7	Hardware version	8.00
Label	My Token	Firmware version	1.00
Login label			Select Slot
Manufacturer	SafeNet, Inc.	Hardware version	1.00
Associated slot	0	Firmware version	0.00
Description	AKS ifdh 0		
Software Driver			
Path to driver file	C:\Windows\System32\eTPKC	S11.dll	
Manufacturer	SafeNet, Inc.	Version	8.03
Number of slots	14	PKCS 11 version	2.20
riamber of clote			

- 8. Select Your Identity > Your Certificates. Complete the following steps, and then click OK.
  - a. Click the Your Internet Certificates menu, and then select the certificate to use to secure the ID file.

I.	<b>NOTE:</b> To import Internet certificates from smart card and store them in the Lotus
	Notes ID file, refer Appendix.

b. Click the Other Actions menu, and then select Lock ID File with Key on Smartcard.

User Security						2 ×
	Certificate	s in your ID file				100 million (100 m
Security Ba	Sics Your certific	ates provide a secure	e way to identif	y you to Notes and o	ther programs. Your ID r	nay contain
🔮 🗉 Your Identi	y certificates	used to secure Notes	communicatio	ns as well as certifica	ates used with the intern	et.
Your Name			-			
Your Certifi	cates Your Internet	Certificates	May be us secure we	ed to exchange secu b pages with the Not	re mail with users outsid es browser, or to secure	e of Notes, to access connections to
Your Smart	sard		Internet se	rvices (using SSL).		
🔁 🗉 Identity of I	Others Type Issu	ed To 🗘		Issued By O		Get Certificates
🚼 🗄 What Other	s Do	2		sam-WIN-ASEE05S	SIF7C-CA	
🕃 🗉 Notes Data						
Mail					L	Other Actions *
						Export Certificate
	Selected ite	m				Publich Certificate
	issued to	test2			(Email)	Create New Public Keys
	Issued by	sam-WIN-ASEE05	S9F7C-CA		(Email)	Show New Public Key Status
	Activated	09/01/2014	Туре	Internet multi-	purpose	Request Name Changes
	Expires	09/01/2015	Fingerprin	t C3CA EAE7	6721 E134 29EE 2B15	Move Private Key to Smartcard
		1				Delete from ID Fie

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

9. When this warning message is displayed, click **OK**.



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

10. When this window is displayed, enter the user account Password, and then click Log In.



11. When the following messages are displayed, click OK.



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

IBM Note	s	×
i	Smartcard login has been enabled!	
	ОК	

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

- 12. On the User Security window, click OK to save the changes.
- 13. Select Your Identity > Your Smartcard.
- 14. In the **Smartcard Login Label** field, enter a descriptive name to identify the smart card (for example, **My Token**), and then click **OK**.

User Security		? ×			
Security Rasics	Using your smartcard with Notes				
C E Your Identity	Complete Mater (Doronto)				
Your Names	Currently your notes ID requires a smartcard or cryptographic token to log in. If you wish to reinstate use of a Notes login password, see your administrator.				
Your Certificates					
Your Smartcard	F you are using a smartcard	then you should carry it with you. Your personal possession of the smartcard			
👧 🗉 Identity of Others	If you are using a smartard, then you around carry it wan you. Your periorial possession or the smartard decreases the possibility of misuse and theft for your Notes identity and the private information stored on the smartard.				
🚼 🗉 What Others Do					
🎯 🗉 Notes Data	Your smartcard configura	tion			
😤 Mail	Smartcard Manufacturer	SafeNet, Inc.			
	Smartcard Serial Number	01dc49b7			
	Your login label is displayed v which smartcard is required fo Smartcard Login Label	when you login using your smartcard. This label is intended to help you identify or login. You may supply any text which is meaningful to you.			
		Configuration Details			
		OK Cose			

15. When this message is displayed, click **OK**.



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

16. Close IBM Notes.

¥

Now, every time you log in to IBM Notes, you will need to use your smart card PIN.

# Enabling Smart Card Login to Secure the ID File with a Secret Stored on the Smart Card

This type of configuration secures the ID file using a secret that is added to the smart card.

**NOTE:** Once smart card login is enabled for your IBM Notes User ID, you cannot disable it. You will be prompted for your smart card Personal Identification Number (PIN) in place of your IBM Notes password. Please ensure your User ID is recoverable.

1. On the Windows desktop, double-click **IBM Notes**.



2. On the IBM Notes window, select File > Security > User Security.

🌐 Mail - Inbox - IBM Notes			_ 8 ×
File Edit View Create Actions Tools Wind	Jow Help		
New		🔀 🔻 Search All Mail	۹
Open Frc			
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Save As Ctrl+Shift+S AutoSave	New * Reply * Reply to All * Forward * 🖿 * 🏲 🏥 🖪 * More * C 📿 *	Show -	· 🔍
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Replication  Locations	Administrator Hello	3:08 AM 1K	
➔ Import			
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Security View User	r security		-
Sametime Lock	Notes ID Ctrl+F5		
Close All Switc	ch User Administrator to: Administrator	08/12/2014 03:08 AM	
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3. On the User Security window, select Your Identity > Your Smartcard.

	Security			
0	Security Ba	sics	Using your smartcard with Notes	
Q E	Your Identii	ty		
	Your Name	s		
	Your Certifi	cates	Enable Smartcard Login	
<b>()</b>	Your Smart	card Others	If you are using a smartcard, then you should carry it with you. Your personal possession of the smartcard decreases the possibility of misuse and theft for your Notes identity and the private information stored on the smartcard.	
<b>8</b> B	What Othe	Smartca	rd Configuration	×
	E Notes Data Mail	Smartcar features, A smartca the smart	rds and other cryptographic tokens add security to your Notes environment. To make use of smartcard security , you need a supported smartcard, and a smartcard reader attached to your system. and software driver enables Notes to communicate with the smartcard reader. You must provide the file name of coard driver provided by your smartcard manufacturer.	
		If you do	In the smartcard driver is, you should investigate these possibilities:	1
		<activc <a-trus <belgiar< td=""><td>lient 5.4&gt; c:\winnt\system32\acpkcs211.dll t a-sign Client v1.2.2.1&gt; c:\winnt\system32\asignp11.dll n eID&gt; c:\winnt\system32\Belgium Identity Card PKCS11.dll ▼</td><td></td></belgiar<></a-trus </activc 	lient 5.4> c:\winnt\system32\acpkcs211.dll t a-sign Client v1.2.2.1> c:\winnt\system32\asignp11.dll n eID> c:\winnt\system32\Belgium Identity Card PKCS11.dll ▼	
		a	Continue Cancel	1

4. On the Smartcard Configuration window, click the Smartcard driver file folder icon , browse to the C:\Windows\System32\eTpkcs11.dll file, and then click Continue.

Smartcard Configuration	?	×
Smartcards and other cryptograp features, you need a supported	hic tokens add security to your Notes environment. To make use of smartcard security smartcard, and a smartcard reader attached to your system.	
A smartcard software driver enab the smartcard driver provided by	les Notes to communicate with the smartcard reader. You must provide the file name of your smartcard manufacturer.	
Smartcard driver file	Windows\System32\eTPKCS11.dll	
If you don't know where the sma <activclient 5.4=""> <a-trust a-sign="" client="" v1.2.2.1=""> <beloian eid=""></beloian></a-trust></activclient>	rtcard driver is, you should investigate these possibilities: c:\winnt\system32\acpkcs211.dll c:\winnt\system32\asignp11.dll c:\winnt\system32\asignp11.dll	
<	e. www.ne wysterriez deligitani identity earle i Neo i Neo i Neo	-
	Continue	

5. Under Your smartcard configuration, verify that values display in the Smartcard Manufacturer and Smartcard Serial Number fields.

User Security		2 X
County Design		h Notes
Security Basics	Use of a smartcard or cryptogr Notes ID requires you to provi	raphic token with Notes adds protection for your Notes ID. A smartcard-enabled de your smartcard at login time and when using Notes. When you login, you would
Your Names	enter your smartcard or crypto	graphic token's Pin rather than a notes password.
Your Certificates		Enable Smartcard Login
Your Smartcard	- Kusu as using a smattered	there you should ense it with you. Your semanal economics of the second and
🏂 🗄 Identity of Others	decreases the possibility of r	nisuse and theft for your Notes identity and the private information stored on the
😤 🗄 What Others Do		
💝 🗉 Notes Data	Your smartcard configura	ation
Sector Mail	Smartcard Manufacturer	SafeNet, Inc.
	Smartcard Serial Number	01dc49b7
		Configuration Details
		OK Close

- 6. Click Configuration Details.
- 7. Review the smartcard configuration information, and then click **OK**.

Smartcard Configur	ation Details		? X
Notes has detected	the following information about the c	onfiguration of your smartcard or cryp	tographi <mark>c</mark> token.
Cryptographic To	ken		
Manufacturer	SafeNet, Inc.	Model	eToken
Serial number	01dc49b7	Hardware version	8.00
Label	My Token	Firmware version	1.00
Login label			Select Slot
Manufacturer	SafeNet, Inc.	Hardware version	1.00
Associated slot	0	Firmware version	0.00
Description	AKS ifdh 0		
Software Driver			
Path to driver file	C:\Windows\System32\eTPH	KCS11.dll	
Manufacturer	SafeNet, Inc.	Version	8.03
Number of slots	14	PKCS 11 version	2.20
Description	SafeNet eToken PKCS#11		
Number of slots Description	14 SafeNet eToken PKCS#11	PKCS 11 version	2.20 OK Cancel

- 8. Under Using your smartcard with Notes, click Enable Smartcard Login.
- 9. When this warning message is displayed, click OK.



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

10. When this window is displayed, enter the user account **Password**, and then click **Log In**.

IBM Notes			×
5 Para	User name:	Administrator/Sfnt	
- Alt	Password:	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
		Log In Exit	]

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

11. When the following messages are displayed, click OK.



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).



(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).



- 12. On the User Security window, click OK to save the changes.
- 13. Select Your Identity > Your Smartcard.
- 14. In the **Smartcard Login Label** field, enter a descriptive name to identify the smart card (for example, **My Token**), and then click **OK**.

User Security		? ×
Security Ration	Using your smartcard with	) Notes
C E Your Identity		
Your Names	Notes login password, see you	s a smancaro or cryptographic token to log in. If you wish to reinstate use of a r administrator.
Your Certificates		
Your Smartcard	- Every are using a searcard	then you should carry it with you Your nerronal possession of the straticard
🔅 🗉 Identity of Others	decreases the possibility of m smartcard	isuse and theft for your Notes identity and the private information stored on the
😤 🗉 What Others Do		
🎯 🗉 Notes Data	Your smartcard configural	lion
😤 Mail	Smartcard Manufacturer	SafeNet, Inc.
	Smartcard Serial Number	01dc49b7
	Your login label is displayed v which smartcard is required fo Smartcard Login Label	when you login using your smartcard. This label is intended to help you identify or login. You may supply any text which is meaningful to you.
		Configuration Details
		OK Cose

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

15. When this message is displayed, click **OK**.

IBM Notes	<b></b>
Your smartcard login label has been set to: My Token	
	ОК

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

16. Close IBM Notes.

### Storing Internet Private Keys on a Smart Card

Any Internet private keys that you have from personal Internet certificates (not from Internet certificate authority certificates) can be stored on your smart card.

Storing Internet private keys on your smart card adds an extra level of protection for them, rather than just storing them in your User ID. Once a private key is moved to a smart card, it is only possible to export the certificate (without including the private key) to a separate file.

1. On the Windows desktop, double-click IBM Notes.



2. On the IBM Notes window, select File > Security > User Security.

1 Mail - Inbox - IBM Notes	X
New Open	💆 - Search Ail Mail 🔍 Q
Close Esc pr - Mail ×	
Save As Chi+5hit+5 AutoSave New - Reply - Reply to All - Forward - T -	1 Vor - C Q - Show - O
Application	Date Size 🖉 🕨 🗮
Replication Contraction Contractic Contraction Contrac	3:08 AM 1K
Import Export	
Page Setup Print Preview	
Print Ctrl+P	
Preferences Properties Alt+Enter	
Security Generated User Security	
Sametime Ctri +F5	
Close All Switch Userv Administrator to: Administrator	08/12/2014 03:08 AM
Exit	Show Details
Archive     Test	
• Tools	
Other Mail	
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(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

3. When this window is displayed, enter the user account **Password**, and then click Log In.



4. On the User Security window, select Your Identity > Your Certificates.

User Security						? >			
	Certificates	Certificates in your ID file							
Security Basics	Your certifica	Your certificates provide a secure way to identify you to Notes and other programs. Your ID may contain							
🔮 🖂 Your Identity	certificates u	ised to secure Notes	communication	s as well as certifica	ates used with the Ini	ternet.			
Your Names	-		-						
Your Certificates	Your Notes C	ertificates	<ul> <li>May be use secure mail</li> </ul>	d to login to Notes, with other Notes us	to access Notes dat ers.	abases, and to exchange			
Your Smartcard	1								
👧 🗉 Identity of Others	Type Issue	d To C		Issued By O	i i	Get Cerificates.			
😸 🗉 What Others Do	R bob/	bob		bob					
🎯 🗉 Notes Data						Renew			
🖄 Mail						Other Actions •			
	Selected iter	n							
	Issued to	yatjam/yatjam							
	Issued by	/yatjam							
	Activated	08/05/2014	Туре	Notes interna	tional encryption				
	Expires	08/06/2016	Key identifi	er 136EN EESE	88 U1M2M FEF9S 4	DKMA Q34G5			
	Advan	ced Details							
					OK	Close			

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5. If you already have an Internet certificate installed in IBM Notes, click the **Your Internet Certificates** menu, select the certificate to move to your smart card, and then proceed to step 6.

If you do **not** have an Internet certificate installed in IBM Notes, follow the steps below to import an Internet certificate into the IBM Notes ID file, and then proceed to step 6.

a. Click the Your Internet Certificates menu.

User Security						? ×	
	Certificates	in your ID file					
Security Basics	Your certifica	Your certificates provide a secure way to identify you to Notes and other programs. Your ID m					
🔮 🖂 Your Identity	certificates u	sed to secure Notes	s communication	ns as well as certifi	cates used with the	Internet.	
Your Names	<u></u>						
Your Certificates	Your Internet	Certificates	<ul> <li>May be use secure web</li> </ul>	ed to exchange sec pages with the No	cure mail with users o otes browser, or to s	outside of Notes, to access ecure connections to	
Your Smartcard			Internet ser	vices (using SSL).			
👧 🗉 Identity of Others	Type Issue	d To 🗘		Issued By 🗘		Get Certificates	
😤 🗄 What Others Do	Admin	nistrator		Test-SFNT-CA			
🎯 ⊡ Notes Data							
Mail						Other Actions	
	Selected iter	n					
	Issued to	Administrator			(Email)		
	Issued by	Test-SFNT-CA			(Email)		
	Activated	08/12/2014	Туре	Internet mu	lti-purpose		
	Expires	08/12/2015	Fingerprint	3649 E4D4	2F92 AEB8 D81F 0	C9AA 0E78 F6E5	
	Advan	ced Details					
					OK	Close	

b. Click Get Certificates, and then select Import Internet Certificates.

User Security							? 🛛		<b>-</b>
									<b>É</b>
🅞 Security	Basics	Your certif	Your certificates provide a secure way to identify you to Notes and other programs. Your ID may contain						
🧟 🗉 Your Ide	entity	certificate	certificates used to secure Notes communications as well as certificates used with the Internet.						
Your Na	ames			_					
Your Ce	ertificates	Your Intern	et Certificates	May be use secure wel	ed to exchange sec b pages with the No rvices (using SSL).	ure mail with users tes browser, or to :	outside of Notes, to access secure connections to		
Tour Sil	lancaru						_		
💯 🗄 Identity	of Others	Type Iss	ued To 🗘		Issued By 🗘		Get Certificates 🔻		
😤 🗄 What O	thers Do	🌆 tes	t2		sam-WIN-ASEE05	S9F7C-CA	Import (Merge) Note	es Certificates	
-							Request New Notes	Flat Certificate	
V E Notes D	Jata						Import Internet Cer	tificates	
😤 Mail							Request New Intern	et Certificate	
							Import Internet Cer	tificate from a Smart	card
		Selected it	tem					T	
		Issued to	test2			(Email)		ay	
		Issued by	sam-WIN-ASEE0	5S9F7C-CA		(Email)			
		Activated	09/01/2014	Туре	Internet mult	i-purpose			
		Expires	09/01/2015	Fingerprint	C3CA EAE7	6721 E134 29EE	2B19 A2CE 316B		
		Adv	anced Details						
		<u>Nuv</u>	anced Details					J	
								-	
						OF	Close		

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c. Browse to the .pfx Internet certificate.

🏶 Specify File (	Containing the Ir	iternet Certificates	×
Look in	: 🚺 Certs	🔻 🎯 🌶 🔛 •	
Recent Places	Name Alice.pfx	▼ Date modified ▼ Type 9/1/2014 3:49 PM Person	al Inform
Libraries Computer Network	x[		×
	File name:	Alice.pfx	Open
	Files of type:	PKCS12 Files (*.p12, *.pfx)	Cancel
	I		Help
			11.

d. On the Select Import File Format window, select PKCS 12 encoded, and then click Continue.



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e. On the **Enter Password** window, enter the password for the file containing the Internet certificate, and then click **OK**.

Enter Password	3
Enter the password for the file containing internet certificates.	
Pressured VY0000000000	
Password	
OK Cancel	

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f. On the **Import Internet Certificates** window, accept the certificate into the IBM Notes ID file, and then click **Accept All**.

Import Internet Certificates							
Do you wan							
All Internet Cer	tificates	<u> </u>					
Type Issued	i To 🌣			Issued	By ≎		
test2				sam-W	IN-ASEE05S9F7C-CA		
🚺 sam-V	VIN-ASEE05S9F	7C-CA		sam-W	sam-WIN-ASEE05S9F7C-CA		
Selected item:							
Issued to	Issued to test2				(Email)		
Issued by	y sam-WIN-ASEE05S9F7C-CA				(Email)		
Activated	09/01/2014 Type Internet mu		t multi-pu	irpose			
Expires	09/01/2015	Fingerprint	C3CA EAE7 6721 E134 29EE 2B19 A2CE 316B				
Advand	Advanced Details There is a private key corresponding to this certificate.						
					Accept All Car	ncel	

g. This window is displayed because the token was enabled to secure the IBM Notes User ID. Enter the smart card PIN, and then click **Log In**.

IBM Notes			2	ĸ
off.	Smartcard:	My Token		
	Enter PIN:			
Ť			Log In Exit	

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h. When this message is displayed, click OK. The Internet certificate is successfully imported.

IBM Notes	5	×
i	New certificates were accepted into your ID! If you have installed copies of your ID on multiple machines, update each machine with a new ID copy.	
	ОК	

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- 6. On the User Security window, select Your Identity > Your Certificates. Complete the following steps, and then click OK.
  - a. Under **Certificates in your ID file**, click the **Your Internet Certificates** menu, and then select the certificate to use to secure the ID file.
  - b. Click the Other Actions menu, and then select Move Private Key to Smartcard.

User Security					7 ×	
	Certificates in your ID file					
Security Basics	Your certificates provide a secure w	ray to identify yo	ou to Notes and other programs. You	r ID may cont	2011	
C E Your Identity	cethcates used to secure Notes of	ommunications a	as well as certificates used with the I	nternet.		
Your Names						
Your Certificates	Tour Internet Certificates •	May be used to secure web pa	o exchange secure mail with users o ages with the Notes browser, or to se	utside of Noti cure connect	es, to access tions to	
Your Smartcard		Internet service	es (using SSL).		100400	
🕃 🗉 Identity of Others	Type Issued To O	las	ued By C	Get Ce	efficates +	
😤 🗉 What Others Do	B Administrator	Te	# SFNT CA	Latrates		
🤕 🗄 Notes Data				-		
😁 Mail				Other	Actions *	
					Export Notes	ID (Safe Copy)
	Seeded ten				Respond to C	ross Certificate Request
	Issued to Administrator		(cmail)		Mail, Copy Ce	ertificate (Public Key)
	Advectory Test-Shirt A	T	(crial)		Create New P	ublic Keys
	Extense 08/12/2016	Encomplet	3649 E4D4 2592 AEBR DR1E C	944 0579	Show New Pu	ublic Key Status
		7		arrive to	Request Name Changes	
	Advanced Delans				Move Private	Key to Smartcard
					Delete from I	D File_
				_	Lock ID File w	ith Key on Smartcard
			OK	100	Close	

7. When this message is displayed, click Yes.



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- 8. Enter your smart card PIN to confirm the move.
- 9. When this message is displayed, click OK.



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### **Running the Solution**

- 1. Launch IBM Notes and insert the configured token into the machine's USB port.
- 2. On the smart card log in window, from the **Smartcard** menu, select the applicable token name.

1	Smartcard:	My Token	-
	Enter your PIN:		
22	At location:	Online	-
	E Forgot your p	assword?	

(The screen image above is from IBM® Notes® software. Trademarks are the property of their respective owners).

3. Enter your smart card PIN, and then click Log In.

### APPENDIX

### To import Internet certificates from a Smartcard

You can import Internet certificates and store them in the Lotus Notes ID file so that they can be found by, and used with, Lotus Notes.



**NOTE:** This option is only applicable to users who have enabled Smartcard login by securing the ID file with a secret.

- 1. Click File > Security > UserSecurity.
- 2. Enter your PIN when prompted.

Note: If you are performing this step as part of enabling Smartcard login with an Internet certificate and key, you are not prompted for the PIN.

- 3. Click Your Identity > Your Certificates.
- 4. Click **Get Certificates**. A drop-down list appears, listing different ways of importing certificates into the ID file.
- 5. Select **Import Internet Certificate from a Smartcard**. This imports all available certificates from the current Smartcard.

### **Support Contacts**

If you encounter a problem while installing, registering, or operating this product, please make sure that you have read the documentation. If you cannot resolve the issue, contact your supplier or SafeNet Customer Support. SafeNet Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between SafeNet and your organization. Please consult this support plan for further information about your entitlements, including the hours when telephone support is available to you.

Contact Method	Contact Information			
Address	SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017 USA			
Phone	United States	1-800-545-6608		
	International	1-410-931-7520		
Technical Support Customer Portal	https://serviceportal.safenet-inc.com Existing customers with a Technical Support Customer Portal account can log in to manage incidents, get the latest software upgrades, and access the SafeNet Knowledge Base.			