Lenovo
ThinkVantage Fingerprint Software

RSA SecurID Ready Implementation Guide

Last Modified: March 1st, 2011

Partner Information

Product Information	
Partner Name	Lenovo
Web Site	**www.lenovo.com**
Product Name	ThinkVantage Fingerprint Software
Version & Platform	5.9.4 for Windows XP/Vista/7
Product Description	Lenovo ThinkVantage Fingerprint Software conveniently protects the privacy of your computer using your unique fingerprint. Users simply swipe their finger over the "always-on" fingerprint sensor to replay BIOS passwords, logon to Windows® and to login to websites and applications. By combining the Lenovo biometric offering with the RSA SecurID one-time-password (OTP) solution, multi-factor authentication can be readily deployed to strengthen security, lower deployment costs and create an exceptional end-user experience.
Product Category	RSA SecurID Ready Authenticator

Solution Summary

Through the innovative use of biometrics and embedded RSA SecurID® technology, Lenovo's ThinkVantage Fingerprint Software provides a strong authentication approach without sacrificing end-user convenience. When integrated into mobile PCs and PC peripherals, a user's fingerprint can be used as an additional authentication factor to secure access to devices, networks and web-based applications and portals.

Functional Description	
Authenticator provides its own GUI to present tokencode	Yes
Authenticator can securely store token seed record	Yes
Authenticator supports copy/paste of tokencode	Yes
Authenticator supports multiple seed records	Yes
Authenticator supports passphrase protection of application	N/A (Biometric)
Authenticator provides RSA Software Token Automation (user enters only PIN to authenticate)	Yes
Partner product provisions Authenticator (creates account, assigns token, delivers seed to device)	No
Authenticator supports CT-KIP provisioning protocol	Yes

Product Configuration for Interoperability

Introduction

Through the innovative use of biometrics and embedded RSA SecurID® technology, Lenovo's ThinkVantage biometric solution provides a strong authentication approach without sacrificing end-user convenience. When integrated into mobile PCs and PC peripherals, a user's fingerprint can be used as an additional authentication factor to secure access to devices, networks and web-based applications and portals.

Provisioning Lenovo ThinkVantage Fingerprint Software for RSA SecurID

> **Note: For more information on provisioning ThinkVantage Fingerprint Software, please consult the ThinkVantage Fingerprint Software online help or the TFS Product Documentation.**

Lenovo ThinkVantage Fingerprint Software can be provisioned via the standard RSA SecurID Software Token file-based provisioning method -- there is no additional configuration required to interoperate with your existing RSA SecurID infrastructure.

> **Note: Version 2.0 Software Tokens are not supported for use with ThinkVantage Fingerprint Software. Only version 3.0 (AES) Software Token seed records are supported.**

To provision an RSA SecurID Software Token, perform the following steps:

> **Note: RSA SecurID support is not installed as part of ThinkVantage Fingerprint Software by default. In order to use OTP support, one must run the setup program from the command line with the OTP=1 option (setup.exe OTP=1 e.g.)**

1. Go to **Start > All Programs > ThinkVantage > ThinkVantage Fingerprint Software** and swipe your finger if prompted:
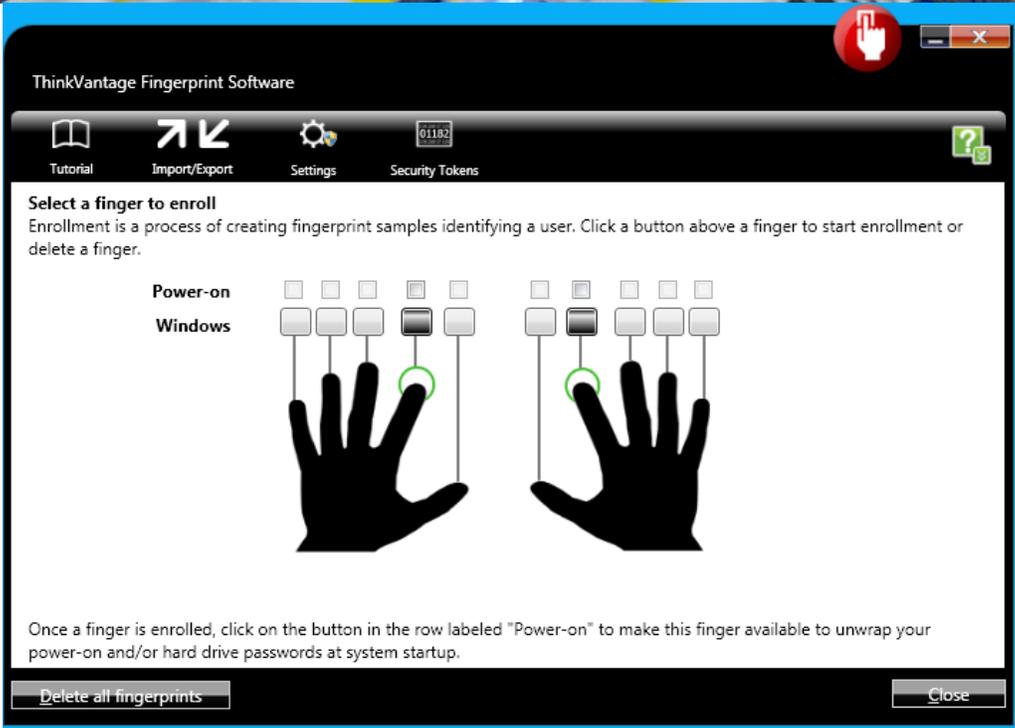
2. Select **Security Tokens** from the toolbar:
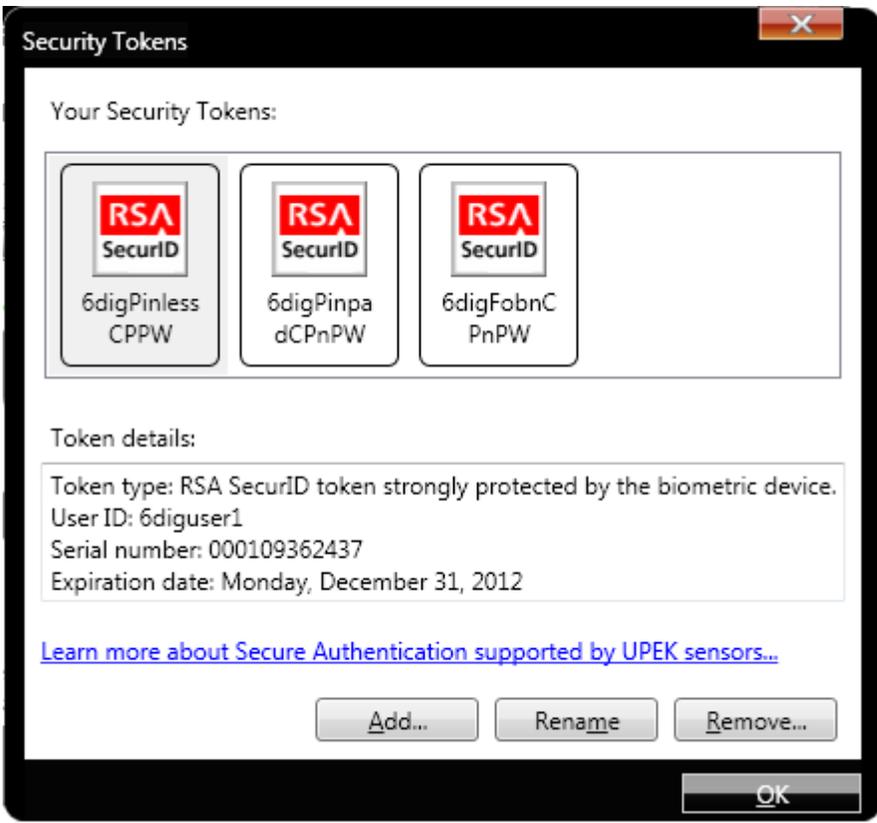
3. Click **Add** to import a new RSA SecurID token. Browse to the token file and enter a password if necessary. Then click **Import**:


4. The Import process will complete and return to the **Security Tokens** dialog.

## *Using ThinkVantage Fingerprint Software to Generate RSA SecurID Passcodes*

Once Lenovo ThinkVantage Fingerprint Software has been provisioned with an RSA Software Token, a user will be able to generate an RSA SecurID Passcode from the biometric reader. The process to do this is as follows:

1. Click **Start > All Programs > ThinkVantage > Tokencodes Generator**.

2. Select the token you want to use. If you have just one token, the tokencode will be generated automatically:
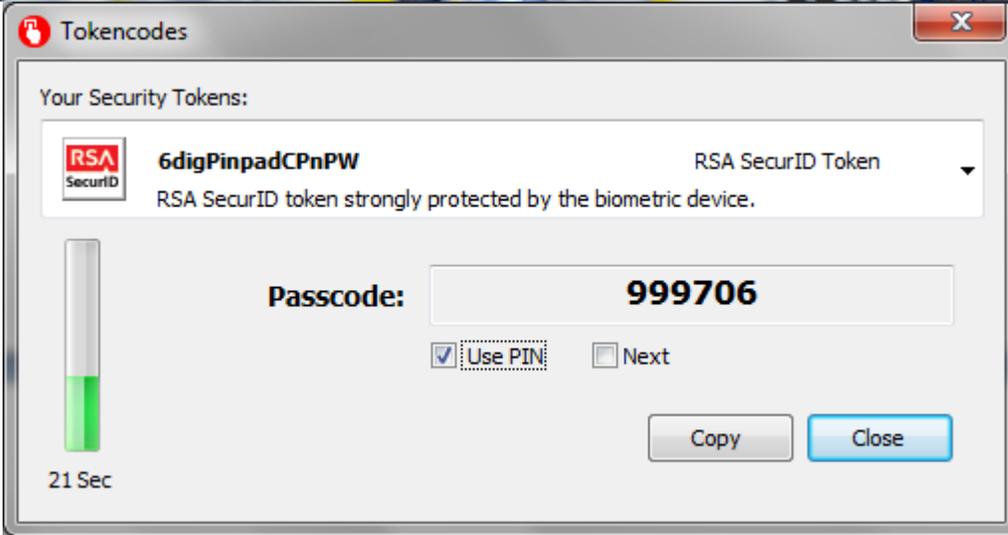
A window will be displayed indicating the valid duration of the generated tokencode. If this is a pinless token, then the tokencode can be copy/pasted or entered directly into any application dialogs.

3. If this is a pinful token, then select the **Use PIN** box and click **OK**:
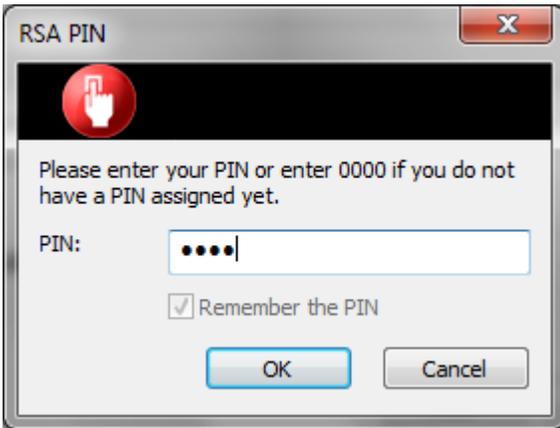
You can also check the **Remember the PIN** box if this is desired.

4. The resulting dialog will display the RSA SecurID Passcode that can be used for authentication to SecurID-protected systems. Select **Next** if another tokencode is required (i.e. the user is in Next Tokencode mode).

Provisioning ThinkVantage Fingerprint Software using the RSA Desktop Token 4.1

RSA SecurID Token Import via File Based Provisioning

Lenovo ThinkVantage Fingerprint Software can also be used in conjunction with the RSA SecurID® Token 4.1 for Windows® Desktops. When both applications are installed on the same system, the biometric device will be listed as an installed Token Storage Device (**Options… Token Storage Devices**):
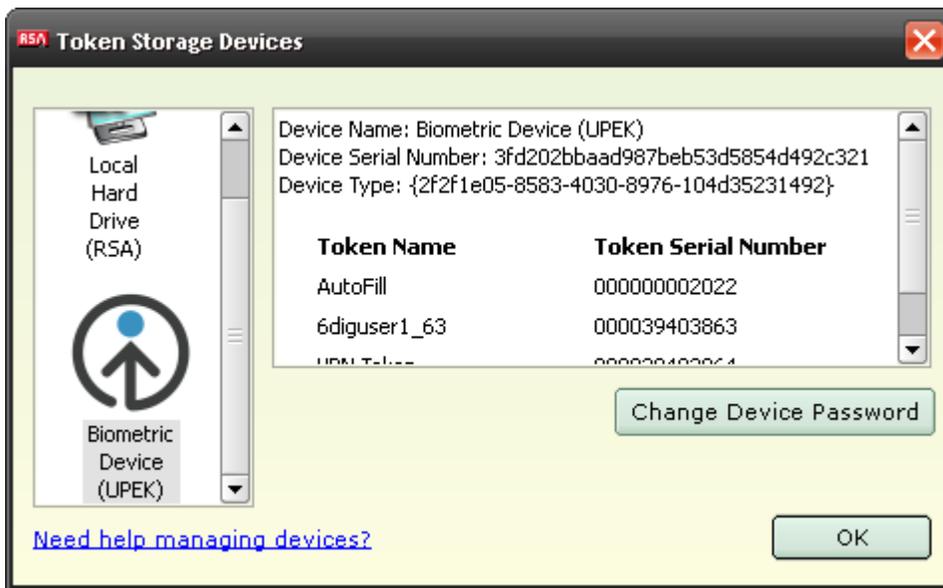
When provisioning tokens via an SDTID file, simply follow the standard file import process and select **Biometric Device** as the container for the token seed:
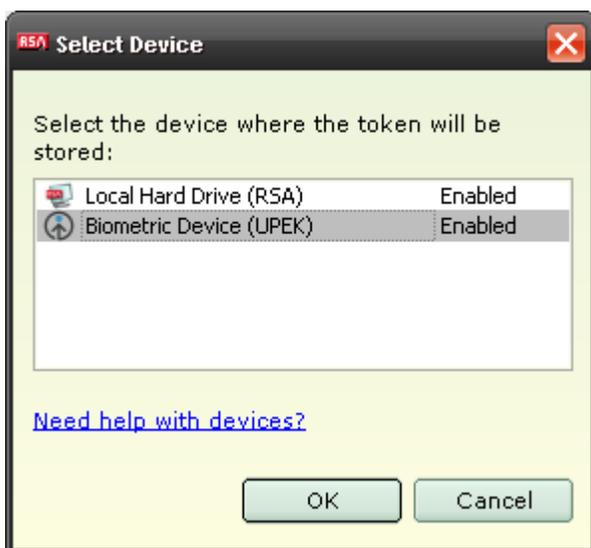
The user will also be prompted to perform a Biometric swipe in order to authorize the import process.

RSA SecurID Token Import via Web (CT-KIP)

Another option for provisioning SecurID Tokens is to import via the Web. Importing via the Web is an option available with RSA Authentication Manager 7.1, and uses the CT-KIP dynamic provisioning protocol.

> **Note: The Lenovo ThinkVantage Fingerprint application does not support CT-KIP provisioning. CT-KIP is only supported via the Desktop Token for Windows.**
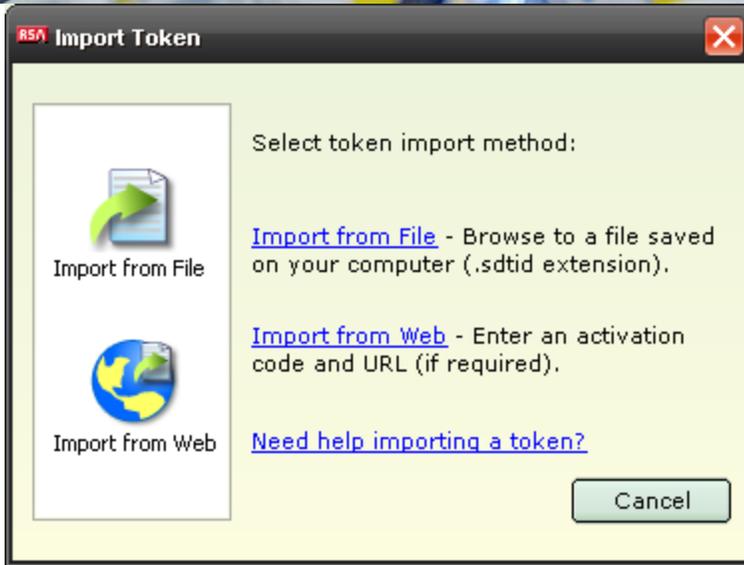
To provision tokens via the Web, perform the following steps:

1. Start RSA SecurID Token. Click the **Options** down arrow and select **Import Token:**
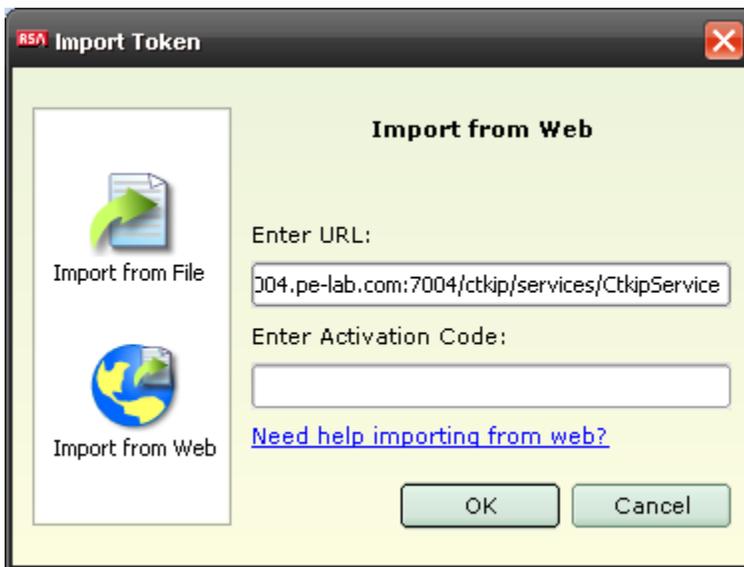

> **Note: If you have never installed a token, the Import Token screen is displayed automatically.**
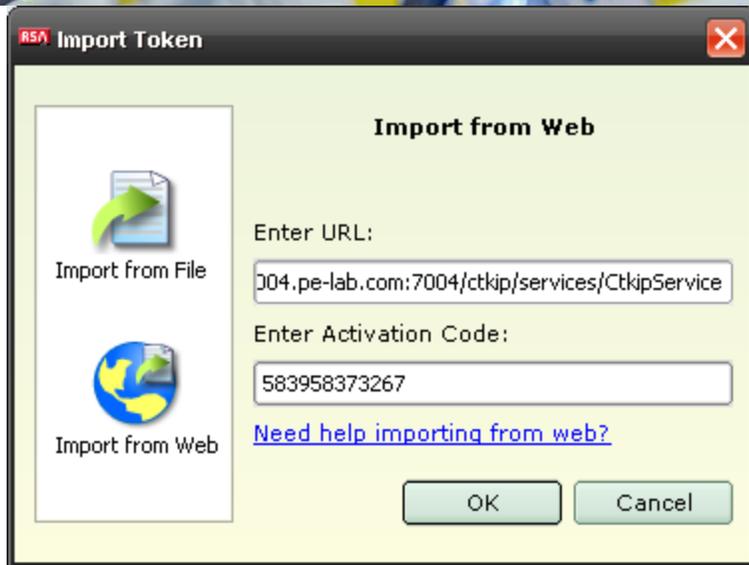
2. Click **Import from Web:**

3. The **Install from Web** dialog box opens. In the Enter URL field, enter the URL of the web download site. If the Enter URL field is prefilled, go to step 5.

4. In the **Enter Activation Code** field, enter the activation code that your administrator gave you. Click **OK**.

5. If the token has not been bound to a particular device, the user will see the Select Device dialog box:
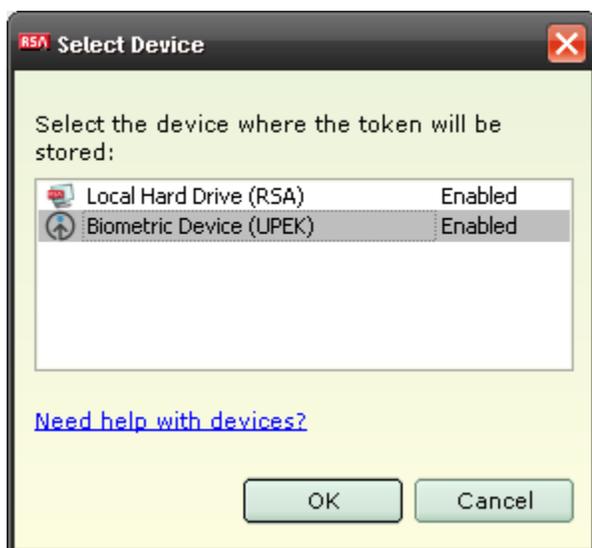
6. If the token has been bound directly to the biometric device, the user will not be asked to choose where the token is stored – it will be imported directly to the biometric device.

> **Note:** For more information on the Device Type Binding feature, please consult the RSA Authentication Manager 7.1 Administrators Guide.

Using the Lenovo Biometric Reader with the RSA Desktop Token 4.1

To use the Lenovo Biometric reader with the RSA Desktop Token, perform the following steps:

1. Start the RSA Desktop Token and select a token stored in the Lenovo Biometric Device. If this is a pinful token, type the PIN and hit **Enter**:

2. The user will then be prompted to swipe his or her finger:

3. Once the user successfully authenticates, the current Passcode will be displayed. This code can now be copy/pasted or manually entered into any application or device that supports RSA SecurID authentication.

Certification Checklist for 3rd Party Applications

Date Tested: February 11th, 2001

Product	Operating System	Tested Version
RSA SecurID® Software Token for Microsoft® Windows®	Windows XP/Vista/7	4.1
Lenovo ThinkVantage Fingerprint Software	Windows XP/Vista/7	5.9.2

RSA SecurID Ready Authenticator Criteria

RSA Software Token Import

v3.0 (AES) software token seed	✓	v3.0 copy & password-protected seed	✓
v3.0 (AES) password-protected seed	✓	v3.0 (AES) multi-token seed file	✓
v3.0 (AES) copy-protected seed	✓	v3.0 (AES) pinless token	✓

RSA Software Token SDK or Embedded RSA OTP Algorithm

Strong encryption of seed database	✓
Copy protection of seed database	✓
Proper display of current tokencode	✓
Interface to enter PIN	✓
Proper display of current PASSCODE	✓
Proper display of lifetime of current code	✓
Successful removal of installed token(s)	✓
Successful re-provisioning of installed token(s)	✓
Proper display of token serial number	✓
Successful addition of token alias/nickname	✓
Successful rename/removal of token alias/nickname	✓
Passphrase protection of application or token	N/A
Proper setting of default token	✓
Ability to copy/paste PASSCODE	✓
Successful authentication using partner device	✓
Partner product displays RSA SecurID Ready logo	✓

RSA Software Token Automation (SoftID API)

SoftID API-enabled application can automatically extract PASSCODE from Partner product	✓
Successful authentication using partner device and SoftID API-enabled application	✓

RSA Software Token Provisioning (CT-KIP)

Partner product can be successfully seeded via CT-KIP protocol	✓

RSA Software Token Provisioning (RSA Authentication Manager Administrative API)

Partner product provisions Authentication Manager username	N/A
Partner product provisions RSA Software Token assignment	N/A
Partner product provides delivery mechanism for Software Token (.SDTID)	N/A

Known Issues

- Please note that RSA SecurID support is not installed as part of Lenovo ThinkVantage Fingerprint Software by default. In order to use OTP support, one must run the setup program from the command line with the OTP=1 option (setup.exe OTP=1 e.g.)