

# Release Notes

## RSA SecurID Software Token 4.1.1 for Windows



December 12, 2011

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### Introduction

RSA SecurID Software Token 4.1.1 for Windows (the RSA SecurID® desktop application) allows users to import software-based security tokens that they can use to verify their identity to Virtual Private Networks (VPNs) and other resources protected by RSA SecurID.

This document lists what's new in RSA SecurID Software Token 4.1.1 and contains other information you need before installing the application. It also describes workarounds for known issues. This document contains the following sections:

- [What's New in This Release](#)
- [Standard Desktop Application](#)
- [Desktop Application with Software Token Automation](#)
- [Installation Package](#)
- [Installing RSA SecurID Software Token for Windows](#)
- [Upgrading RSA SecurID Software Token for Windows](#)
- [Device Definition Files](#)
- [Documentation](#)
- [Platform Requirements](#)
- [Known Issues](#)

These *Release Notes* may be updated. The most current version can be found on RSA SecurCare Online at <https://knowledge.rsasecurity.com>.

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### What's New in This Release

RSA SecurID Software Token 4.1.1 for Windows provides security improvements and addresses vulnerabilities in the previous version.

- This release introduces two separate variants of the application, which are described in the following sections:
  - “[Standard Desktop Application](#)” on page 2
  - “[Desktop Application with Software Token Automation](#)” on page 2
- This release addresses an Insecure Library Loading vulnerability within RSA SecurID Software Token for Windows (CVE-2011-4141).
- The RSA SecurID desktop application automatically transfers tokens from version 4.1 to version 4.1.1. You do not need to run the Token Transfer Utility when upgrading from 4.1 to 4.1.1. If you are upgrading from version 3.0.7 or 4.0 to version 4.1.1, see the *RSA SecurID Software Token 4.1 Administrator's Guide* to determine if you need to run the Token Transfer Utility.

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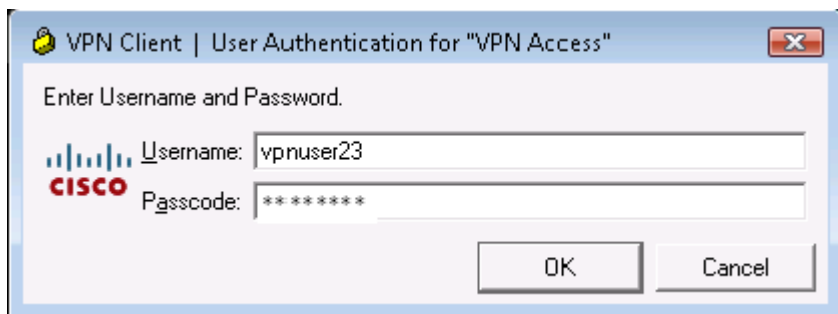
**Important:** RSA strongly recommends that you upgrade to RSA SecurID Software Token 4.1.1 for Microsoft Windows. The Standard desktop application and the desktop application with Software Token Automation are both available from <http://www.rsa.com/node.aspx?id=1162>. Installation requires administrator privileges. If you allow users with administrator privileges to download the application directly, make sure you update your instructions to ensure that users download the variant of the application that you want them to install.

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## Standard Desktop Application

The RSA SecurID Standard desktop application provides an installation package for customers who do not require the software token automation API features of the product. This package does not contain the dynamically linked STAUTO32 API (**stauto32.dll**). This security enhancement is intended to help prevent potential misuse of the API.

Install the Standard desktop application if users will authenticate manually to a VPN client or web resource that does not have integrated SecurID functionality. As shown in the following figure, the user is prompted for a username and RSA SecurID passcode (PIN and tokencode).



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## Desktop Application with Software Token Automation

The RSA SecurID desktop application with Software Token Automation provides an installation package to support backwards compatibility for using the software token automation API. The software token automation API enables integration with leading VPN and remote access applications so that users are only required to enter a user name and RSA SecurID PIN for authentication.

Install the desktop application with Software Token Automation if users will authenticate to a VPN client or web resource that has integrated RSA SecurID functionality. As shown in the following figure, the user is prompted only for a username and RSA SecurID PIN.



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## Installation Package

The RSA SecurID Software Token 4.1.1 for Windows installation kit, **RSASecurIDToken411.zip**, contains the following files:

- Installer file for the Standard desktop application (**RSASecurIDToken411.msi**). For more information, see the following section, "[Installing RSA SecurID Software Token for Windows](#)."
- Installer file for the desktop application with Software Token Automation (**RSASecurIDTokenAuto411.msi**). For more information, see the following section, "[Installing RSA SecurID Software Token for Windows](#)."
- Documentation, as described in "[Documentation](#)" on page 5.
- Device definition files for each variant of the application. Device definition files are required for provisioning tokens in RSA Authentication Manager 7.1. For more information, see "[Device Definition Files](#)" on page 4.
- An administrative template, **RSASecurIDToken.adm**, for customizing the application using Windows Group Policy. For more information, see the *RSA SecurID Software Token 4.1 Administrator's Guide*.

This release provides the following additional files:

- A utilities package, **RSASecurIDUtils411.zip**, containing the RSA SecurID Token Import utility, a command line executable that allows users or system administrators to install tokens without interacting with the application user interface. You can download this package and associated documentation from <https://www.rsa.com/node.aspx?id=1162>.
- A developer's kit, **RSASecurIDSDK411.zip**, containing the components and documentation needed to integrate with the RSA SecurID Token framework. VPN application developers can use the RSA SecurID Token framework to obtain token codes directly, so that users can authenticate to their VPN client without having to manually copy and paste token codes. You can obtain the developer's kit from RSA SecurCare Online at <https://knowledge.rsasecurity.com>.

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## Installing RSA SecurID Software Token for Windows

This section specifies the installer files to use for first-time installations of the RSA SecurID desktop application.

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**Note:** You cannot install both variants of the 4.1.1 application on the same computer. For example, if you install the Standard desktop application and then attempt to install the desktop application with Software Token Automation, an error message is displayed and the installer exits.

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### Install the Standard Desktop Application

Run the **RSASecurIDToken411.msi** installer. For detailed instructions, see the *RSA SecurID Software Token 4.1 Administrator's Guide*.

Because this installer does not install the software token library, the COPYTOSYSTEM32 command line, which allowed you to install **stauto32.dll** and its dependent DLLs into the **system32** directory, has been removed. All other command line properties are still supported.

### Install the Desktop Application with Software Token Automation

Run the **RSASecurIDToken411Auto.msi** installer. For detailed instructions, see the *RSA SecurID Software Token 4.1 Administrator's Guide*. All command line properties described in the *Administrator's Guide* are supported.

## Upgrading RSA SecurID Software Token for Windows

You can upgrade to RSA SecurID Software Token 4.1.1 for Windows from RSA SecurID Software Token 3.0.7, 4.0, or 4.1.

- For restrictions associated with upgrading from version 3.0.7, see “Restrictions on Upgrading from Version 3.0.7” in the *RSA SecurID Software Token 4.1 Administrator’s Guide*.
- For prerequisites, see “Prerequisites from Upgrading from Version 3.0.7 or 4.0” in the *RSA SecurID Software Token 4.1 Administrator’s Guide*. The prerequisites also apply to upgrades from version 4.1.
- For upgrade procedures, see “Perform the Upgrade” in the *RSA SecurID Software Token 4.1 Administrator’s Guide*. The procedures apply to upgrades from version 3.0.7, 4.0, or 4.1.

## Transfer Tokens from a Previous Version

After upgrading to version 4.1.1, users can continue using their existing 128-bit tokens. Version 4.1.1 attempts to automatically and silently transfer users’ existing tokens to the version 4.1.1 token database. If applicable, the user must enter a token passphrase (version 3.0.7) or a device password (versions 4.0 and 4.1) to complete the transfer.

In some cases, a user may need to manually transfer tokens used with version 3.0.7, using the Token Transfer utility. For more information, see “Transferring Tokens from a Previous Version” in the *RSA SecurID Software Token 4.1 Administrator’s Guide*.

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## Device Definition Files

If you use RSA Authentication Manager 7.1, RSA SecurID Appliance 3.0, or RSA Credential Manager to provision software tokens to the RSA SecurID desktop application, you must import the device definition file for the version of the application that you install. The device definition files are located in the **RSASecurIDToken411.zip** file. Observe the following requirements.

### New Installations

- For the Standard desktop application, import **Desktop-Windows-4.x-swtd.xml**.
- For the desktop application with Software Token Automation, import **Desktop-Windows-4.x-Auto-swtd.xml**.

### Upgrades from Version 3.0.7, 4.0, or 4.1

- If you are upgrading to the Standard desktop application, import **Desktop-Windows-4.x-swtd.xml**. This file contains updates for the version 4.1.1 Standard desktop application, so you must import this file over the device definition file that you imported for a previous version.
- If you are upgrading to the desktop application with Software Token Automation, import **Desktop-Windows-4.x-Auto-swtd.xml**.

For instructions on importing a device definition file, see the *RSA SecurID Software Token 4.1 Administrator’s Guide*.

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## Documentation

The following documentation is provided with the product kit.

Title	Filename
<i>Administrator's Guide</i>	<b>SecurIDToken_admin.pdf</b>
<i>Quick Start</i>	<b>SecurIDToken_quickstart.pdf</b>
Help (accessible from the application)	
<i>Release Notes</i> (this document)	<b>SecurIDTokenWindows411_release_notes.pdf</b>

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## Platform Requirements

Both variants of the RSA SecurID desktop application can be run on virtualization software. However, it is possible for the time to be incorrect in the virtual image and cause the tokencodes to be incorrect. For this reason, RSA does not recommend running the Windows version of the application on virtualization software.

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## Known Issues

This section explains issues that remain unresolved in this release. Wherever a workaround or fix is available, it has been noted or referenced in detail.

### Path to token database is not set correctly in the Windows registry if the RSA SecurID desktop application is installed as SYSTEM

**Tracking Number:** SWTDT-1509

**Problem:** If you install the RSA SecurID Software Token 4.1.1 for Windows as SYSTEM, for example, by silently installing the application using Microsoft Systems Management Server (SMS), the DatabasePath registry entry may be created incorrectly. When the user launches the application, the Import Token screen is displayed because the application cannot find the token database. This issue may affect both the Standard desktop application and the desktop application with Software Token Automation.

**Workaround:** If you install the application as SYSTEM, using SMS or another third-party installer, always set the database directory using the SETDATASEDIR command line property. For example, on a Windows XP system, use a command similar to the following, where *pathname* is the path to the directory that contains the MSI file:

```
msiexec /qn /i pathname\RSA SecurIDToken410.msi /lv c:\install.log SETDATASEDIR="~/Local Settings/Application Data/RSA/RSA SecurID Software Token Library"
```

### Tokens are not migrated if the token database was installed in a non-default directory

**Tracking Number:** SWTDT-1513

**Problem:** If you installed your previous version of the RSA SecurID desktop application using the **msiexec** command line and used the SETDATASEDIR property to install your token database to a non-default directory, the software tokens stored in your token database are not migrated when you upgrade to version 4.1.1 for Windows. This occurs whether you specify the same non-default directory or a different non-default directory for your upgrade.

**Workaround:** Instead of upgrading, you must remove the existing RSA SecurID desktop application from user's computers before installing version 4.1.1 for Windows. You must then reissue software tokens.

### Cannot repair an installation from Add or Remove Programs on Windows XP Pro SP3

**Tracking Number:** SWTDT-1540

**Problem:** If you attempt to repair an RSA SecurID Desktop installation from Add or Remove Programs, and the error message "Error 2356. Could not locate cabinet in stream: Data1.cab." is displayed, you must perform the repair from the Support Info dialog box. This repair issue may occur if you performed the installation on a system running Microsoft Windows XP Pro SP3.

**Workaround:** Repair the installation as follows:

1. In Add or Remove Programs, locate “RSA SecurID Software Token” in the list of installed applications.
2. Under the product name, click “Click here for support information.” to open the Support Info dialog box.
3. In the Support Info dialog box, click the **Repair** button.

The repair operation runs non-interactively and completes successfully.

### Application displays token nickname incorrectly for token files issued with non-ASCII characters

**Tracking Number:** SWTDT-1328

**Problem:** If you issue a token file and assign a nickname (token name) containing non-ASCII characters (for example, ISO-Latin or Asian characters) using RSA Authentication Manager 6.1, the token name is not displayed properly in the RSA SecurID desktop application, although the token still works properly. Tokens issued using RSA Authentication Manager 6.1 and imported into version 4.0 of the application may display the token name incorrectly in version 4.1 if they are re-imported. However, tokens that are transferred from version 4.0 to version 4.1 display the token name correctly. If you issue tokens using RSA Authentication Manager 7.1, and you need to use non-ASCII characters, you must configure Authentication Manager to use the UTF-8 character set. Otherwise, the token might not be imported, or the application will not display the token name correctly.

**Workaround:** Use one of the following workarounds:

- **RSA Authentication Manager 6.1.** Use only ASCII characters when issuing the token file, or instruct the user to rename the token in the application.
- **RSA Authentication Manager 7.1.** Configure Authentication Manager to use the UTF-8 character set. For instructions, contact RSA Customer Support.

### The installation program adds the language setting required by the web browser plug-in for Internet Explorer only for the local user who installs the application

**Tracking Number:** SWTDT-624

**Problem:** When you install the web browser plug-in for Internet Explorer with the RSA SecurID desktop application, the en-secrid language setting, which allows the browser to recognize web pages protected by RSA SecurID, is added only for the local user who installs the application. To enable the browser plug-in for other users, the language setting must be added manually.

**Workaround:** Provide users with instructions for adding the language setting. Users who uninstall the application should verify that the en-secrid setting has been removed and if it has not, they should manually remove it in order to restore the browser’s original language settings.

#### To add the en-secrid language setting:

4. Open Internet Explorer.
5. Click **Tools > Internet Options**.
6. On the **General** tab, click **Languages**, and then click **Add**.
7. In the **User Defined** field, type **en-secrid**.
8. Click **Move up** to move the **User-defined [en-secrid]** setting to the top of the list.
9. Click **OK** to exit from each dialog box.

#### To remove the en-secrid language setting:

1. Open Internet Explorer.
2. Click **Tools > Internet Options**.
3. On the **General** tab, click **Languages**.
4. In the **Language** section, select **User-defined [en-secrid]**, and select **Remove**.
5. Click **OK** to exit from each dialog box.

### Uninstalling SecurID desktop application affects operation of a third-party device plug-in

**Tracking Number:** SWTDT-1394

**Problem:** If the RSA SecurID desktop application and a third-party plug-in containing RSA SecurID software tokens are installed on the same computer, uninstalling the application deletes certain library files that are required for using tokens stored on the device plug-in.

**Workaround:** After uninstalling the SecurID desktop application, remove and then reinstall the device plug-in. You can then continue to use tokens stored in the device plug-in's token database.

### UPEK Protector Suite QL must be installed before SecurID desktop application

**Tracking Number:** SWTDT-862

**Problem:** If you use UPEK Protector Suite QL 5.8 with the RSA SecurID desktop application, the order in which you install the applications could affect integration with VPN software.

**Workaround:** To ensure that VPN automation works as intended with Protector Suite QL, install Protector Suite QL before installing the SecurID desktop application. Do not uninstall the SecurID desktop application unless you also uninstall Protector Suite QL.

### Uninstalling the SecurID desktop application deletes the user registry and token database only for the user who performs the uninstallation.

**Tracking Number:** SWTDT-1429

**Problem:** The RSA SecurID desktop application uninstaller program removes the user registry and the token database only for the user who uninstalls the application. For example, on a shared computer, the registry entries and token database are removed for the person who uninstalled the application, but are not removed for other users of the computer.

**Workaround:** Manually remove the **HKEY\_CURRENT\_USER\Software\RSA\Software Token** registry key and the database directory for all users of a machine. The database directory location is as follows:

On Windows XP:

**C:\Documents and Settings\userid\Local Settings\Application Data\RSA\RSA SecurID Software Token Library**

On Windows 7 and Windows Vista:

**C:\Users\userid\AppData\Local\RSA\RSA SecurID Software Token Library**

### You may need to restart the computer if you are using an integrated VPN client configured for prelogon authentication or running as a service

**Tracking Number:** SWTDT-1086

**Problem:** Installing the RSA SecurID desktop application updates the system PATH environment variable. Some VPN client applications that are integrated with RSA SecurID may be configured such that they are not able to recognize the updated system PATH. For example, if the Nortel VPN Client is configured to allow prelogon authentication (logging on to the VPN client application prior to Windows logon) or is running as a service, the Nortel VPN Client will not work correctly, and you will receive an error message indicating that the software token application failed to load. This issue does not occur with VPN clients that are not integrated with RSA SecurID.

**Workaround:** Restart the computer. This allows the integrated VPN client to recognize the updated system PATH variable and to operate correctly when configured for prelogon or running as a service.

### Cannot log on to Check Point VPN-1 SecureClient if a device password is set on the Local Hard Drive (RSA) device

**Tracking Number:** SWTDT-1428

**Problem:** If you set a device password on the default Local Hard Drive (RSA) device, when you attempt to connect to the Check Point VPN-1 SecureClient, the connection fails, and the VPN client application does not open.

**Workaround:** If you plan to use the Check Point VPN client with the RSA SecurID desktop application, do not set a device password on the Local Hard Drive (RSA) device.

**During prelogon authentication to the Check Point VPN-1 Secure Client, you are not prompted to authenticate with a fingerprint if you are using a UPEK device**

**Tracking Number:** SWTDT-1393

**Problem:** Prelogon authentication (logging on to the VPN client application prior to Windows logon) to Check Point VPN-1 Secure Client does not work properly on systems using a UPEK device. After you enter your PIN and click **Connect**, the Swipe finger dialog box, which prompts you to authenticate with a fingerprint, does not open.

**Workaround:** After you enter your PIN and click **Connect**, wait 5 to 10 seconds and then swipe your finger to complete your authentication.

**The countdown display in the SecurID desktop application does not match the countdown display on the connected RSA SecurID 800 authenticator**

**Tracking Number:** SWTDT-986

**Problem:** The RSA SecurID desktop application has a countdown display that shows the number of seconds remaining before the tokencode changes. When you use a connected SecurID 800 authenticator with the SecurID desktop application, the countdown display in the application does not match the countdown display on the front of the SecurID 800. The display on the SecurID 800 is the true countdown time.

**Workaround:** Even though the remaining time displayed in the application may be different, the user should still be able to authenticate successfully with the SecurID 800.

**The SecurID desktop application and the Check Point VPN-1 SecureClient incorrectly display the serial number of a connected RSA SecurID 800 authenticator**

**Tracking Number:** SWTDT-1399

**Problem:** The RSA SecurID desktop application displays only the last eight digits of the SecurID 800 serial number and prepends the letter "x." For example, if the serial number is 00012345678, the application displays it as x12345678. The Check Point VPN client displays the serial number as -0.

**Workaround:** No workaround is required. You can still authenticate successfully with the connected SecurID 800. If you need to know the correct serial number, you can obtain it from the back of the authenticator.

**Removing the Local Hard Drive (RSA) plug-in from the application does not remove the token database**

**Tracking Number:** SWTDT-1358

**Problem:** If you uninstall the Local Hard Drive (RSA) plug-in (HDDPlugin), but you do not uninstall the entire application, the token database is not removed from the computer.

**Workaround:** To remove the token database, uninstall the entire application. This removes the token database for the user who performs the uninstallation. On a shared computer, use the workaround described in Tracking Number 103818 to remove the token database for all users of the computer.

**Using certain customization policies together is not supported**

**Tracking Number:** SWTDT-1364

**Problem:** Using the ActivationCode customization policy in conjunction with the OnlyOneToken policy is known to cause issues. RSA does not support using the two policies together.

**Workaround:** If you want to autoimport a single token, use the ActivationCode policy with the CtkipURL policy, but do not use the OnlyOneToken policy.

**User must transfer tokens manually from version 4.0 to version 4.1 in one scenario**

**Tracking Number:** SWTDT-1321

**Problem:** Tokens used with version 4.0 of the RSA SecurID desktop application are automatically transferred to the version 4.1 token database the first time that you run the version 4.1 application. However, if you start the Token Transfer utility before running the newly installed application (for example, instead of selecting the application from the Start menu, you select the Token Transfer utility), and you then cancel the utility, your tokens are not transferred.

**Workaround:** To transfer your tokens, reopen the Token Transfer utility, and click **OK**.



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## Getting Support and Service

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RSA SecurCare Online	<a href="https://knowledge.rsasecurity.com">https://knowledge.rsasecurity.com</a>
Customer Support Information	<a href="http://www.rsa.com/support">www.rsa.com/support</a>
RSA Secured Partner Workarounds Directory	<a href="http://www.rsasecured.com">www.rsasecured.com</a>

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