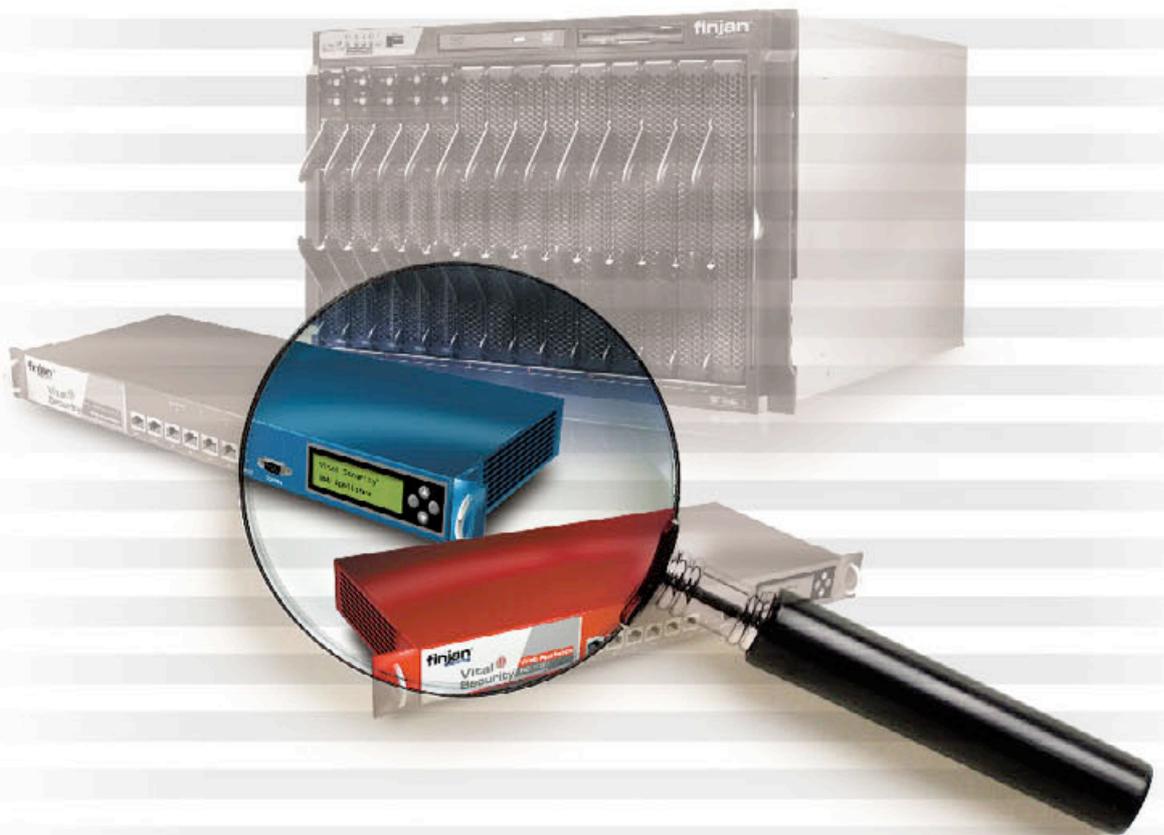


Technical Brief

Offline Updates



Vital Security Release 8.4.3
8th-Jan-2007

Vital Security™ Web Appliances NG-1100/NG-5100/NG-8100 Offline Updates

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1 Introduction

The Vital Security System provides web access security protection by applying multiple methods for identifying malicious content and blocking access to forbidden sites. In order to provide the best protection, the system updates its security engines periodically, adding new techniques, updating rules, and updating binary data that are used by the URL and Anti-Virus engines. The update process is performed by direct access to an update site provided by Finjan.

The Offline Update procedure was designed for customers who are not connected directly to the Internet and who still need to receive regular updates to ensure having maximum protection for their organization. Using the Offline Update procedure, you can retrieve only the updates that are relevant to the current installed system. This involves the following steps:

- ◆ Using the Management Console to generate a special update information key which contains all the necessary information on the current installation
- ◆ Connecting to Finjan's update site by using a dedicated fetching application, providing the update information key and receiving back the relevant updates
- ◆ Installing the retrieved updates on the appliance

This way, you can still keep up to date with the latest rules and techniques whilst remaining off-line.

This document details the following procedures for retrieving and installing these updates.

[Downloading the FUP Application](#): Describes how to download the Finjan Update (FUP) Builder Application; a helper application that will perform the retrieval of the update files.

[Generating Update Key](#): Describes how to generate a unique key which contains information about the current configuration settings.

[Downloading Updates from Update Site](#): Describes how to download the relevant updates from Finjan's Update Site.

[Installing Updates](#): Describes how to install the received updates onto the Policy Server.

 **NOTE: This feature requires a special license.**

1.1 Prerequisites

In order to perform the procedures in this document you will need the following:

- ◆ Vital Security System (assumed to be disconnected from the Internet)
- ◆ A computer that is connected to the internet, equipped with USB connector
- ◆ USB flash memory device/drive, i.e. Disk-On-Key¹
- ◆ User and Password for accessing Finjan's Update Site

 **NOTE: The procedure is valid for Vital Security appliances with VSOS 8.4.0 and higher**

¹ Used for moving data files from the Vital-Security System (update key) and vice versa (update files)

2 Downloading the FUP Application

This section describes how to download the Finjan Update (FUP) Builder application used for retrieval of Updates from Finjan's update site. This is a one-time procedure and the application can be reused for subsequent updates.

 **NOTE: You must have Java SE - Java Runtime Environment (JRE) 5.0 or higher installed on this computer. Click here for a free download:**
<http://www.java.com/en/download/manual.jsp>

⇒ **To download the FUP Builder application:**

1. On a different computer connected to the Internet, create the following directory: C:\Finjan.
2. Navigate to <https://updateng.finjan.com/updates/offline/fupbuilder.jar> and when prompted, enter your user name and password.
3. Save the FUP Builder application in the Finjan directory.

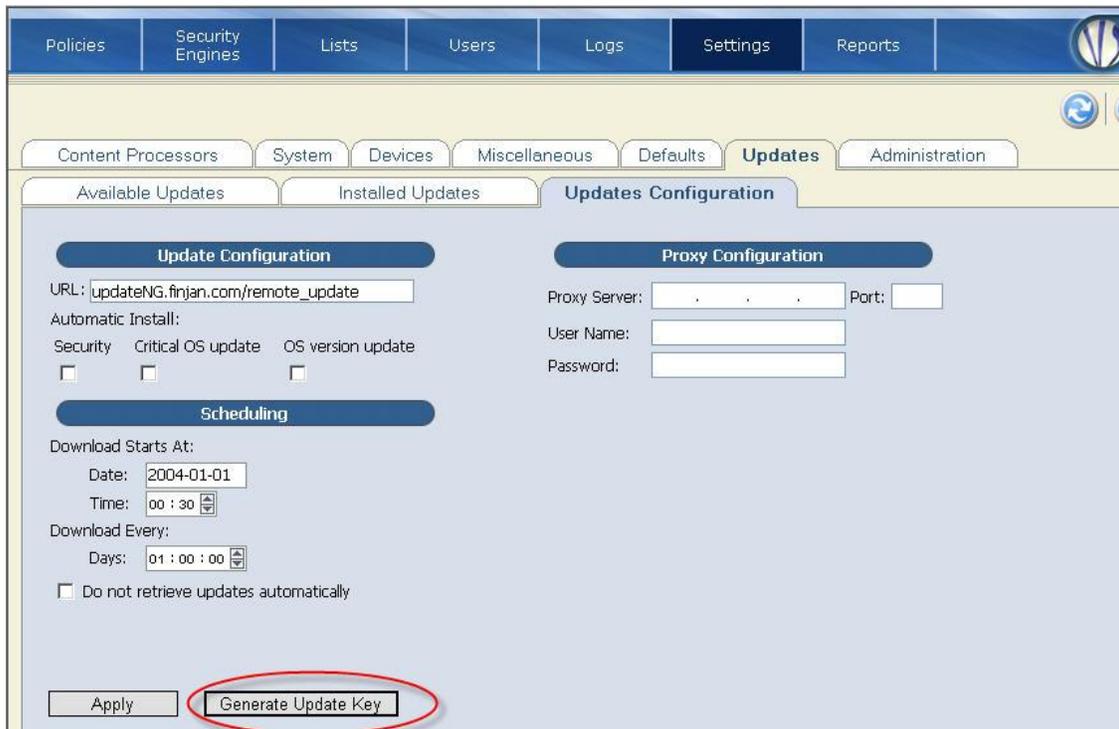
3 Generating Update Key

In order to retrieve only the relevant updates, it is important to know what updates have been already installed on the current Vital Security system. The update key generation process collects this information and formats it into an xml structure, to be used later by the Finjan Update Builder Application for fetching the relevant updates.

The following procedure details how to generate and save the Update Key.

⇒ **To generate update information:**

1. In the offline computer that you are using to administrate your Vital Security system, navigate to the Management Console.
2. In the Management Console, navigate to Settings → Updates → Update Configuration.



3. Click the **Generate Update Key** button. A dialog box appears containing the generated key string.



Figure 1: Generated Key String

4. Copy the key from the box and paste it into any ASCII text editor, e.g. Notepad.
5. Save the file using the name **KeyString.txt** on a removable media e.g. a USB flash drive.

4 Downloading Updates from Update Site

This section describes how to retrieve the updates.

⇒ **To retrieve updates:**

1. Download the **KeyString** file that you created earlier, from the Disk on Key into the C:\Finjan directory. Make sure that this directory is empty of other previously downloaded Updates.
2. Click **Start → Run**, and type **cmd** and then press **Enter**.
3. On the command line, type the following and press enter after each line:

```
C:
cd \Finjan
java -jar fupbuilder.jar -u <username> -p <password>
-f C:\Finjan\KeyString.txt -d C:\Finjan
```

For example:

```
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
```

```
C:\>cd finjan
```

```
C:\finjan>dir
Volume in drive C is System
Volume Serial Number is A877-1FBD
```

```
Directory of C:\finjan
```

```
11/26/2006  11:04 AM    <DIR>          .
11/26/2006  11:04 AM    <DIR>          ..
11/07/2006  04:52 PM                5,191,527 fupbuilder.jar
11/19/2006  02:59 PM                576 Key2.txt
                2 File(s)      5,192,103 bytes
                2 Dir(s)   4,570,243,072 bytes free
```

```
C:\finjan>java -jar fupbuilder.jar -u username -p password -f
key.txt -d c:\finjan
Update site user name: 'username'
Update site password: 'password'
File containing the updates key: 'key.txt'
A directory to write the FUP files to: 'c:\finjan'
Temporary directory: 'C:\DOCUME~1\AKOZLO~1\LOCALS~1\Temp'
Creating MCAFEE_DAT4904.fup...
Downloading MCAFEE_DAT4904...
.....
Download of MCAFEE_DAT4904 completed.
Creating SURFC_DAT502001624.fup...
Downloading SURFC_DAT502001624...
.....
```

```
.....  
.....  
Download of SURFC_DAT502001624 completed.  
Creating SECURITY_UPDATE840000058.fup...  
Downloading SECURITY_UPDATE840000058...  
.....  
Download of SECURITY_UPDATE840000058 completed.  
  
C:\finjan>dir  
Volume in drive C is System  
Volume Serial Number is A877-1FBD  
  
Directory of C:\finjan  
  
11/26/2006 02:22 PM <DIR> .  
11/26/2006 02:22 PM <DIR> ..  
11/07/2006 04:52 PM 5,191,527 fupbuilder.jar  
11/19/2006 02:59 PM 576 Key.txt  
11/26/2006 02:21 PM 8,536,927 MCAFEE_DAT4904.fup  
11/26/2006 02:22 PM 6,091,654  
SECURITY_UPDATE840000058.fup  
11/26/2006 02:22 PM 90,836,879 SURFC_DAT502001624.fup  
5 File(s) 110,657,563 bytes  
2 Dir(s) 4,460,560,384 bytes free  
  
C:\finjan>
```

The relevant Update files will be downloaded to C:\Finjan directory. In the example above, the relevant files that will be downloaded are: MCAFEE_DAT4904.fup, SECURITY_UPDATE840000058.fup and SURFC_DAT502001624.fup

4. Copy the files onto the USB Flash Drive and take it out of this computer.

5 Installing Updates

This section details the installation of the updates.

5.1 Installation Order

When you use the FUP application you will receive update files. These might be security updates and/or VSOS updates. In most cases, the order of the installation is not relevant except for the following occasions:

- VSOS update
- Sophos engine update (sub-type of a security update)

In these cases, the installation order is important and therefore you should install them first, while ignoring any other updates. After installing them, repeat the Offline Update procedure to retrieve the other relevant updates.

⇒ To install OS updates or Sophos engine updates

1. Install the OS update (or the Sophos Engine) first onto your Vital Security system as detailed in the procedure below.
2. Delete all the other updates from the list of available updates.
3. Generate a new update key (this will pass on the updated status of your system).
4. Retrieve again files from the update site, using the newly generated key.
5. Import and Install these updates using the procedure below.

5.2 Installation Procedure

⇒ To install the update on your Vital Security system:

1. In the offline computer, attach the removable media containing the Update files that you just created.
2. In the Management Console, navigate to Settings → Updates → Available Updates.
3. In the Available Updates screen, click **Import Local Update**. A Local Import upload box appears.
4. In the **Local Update Location** field, click **Browse** to navigate to the Update files, and then click **Upload**. Repeat this step for each Security Update file.
5. Once all the Updates are uploaded, then for each update, select it and click **Install Update** on the right-hand side of the screen. The tick icon will change to an hourglass icon.



6. Once the update has been installed – it will move from the **Available Updates** screen and will be displayed on the **Installed Updates** screen.