

Upgrading from GB-OS 3.4 or GB-OS 3.5

Since GB-OS 4.0 is a major departure from versions earlier than 3.6 of the operating system, an extra step is required to upgrade from GB-OS version 3.4 or 3.5.

Upgrading to GB-OS 3.7

When upgrading from GB-OS 3.4 or 3.5, it is necessary to upgrade your firewall twice: first to GB-OS version 3.7.2 and then to version 4.0.

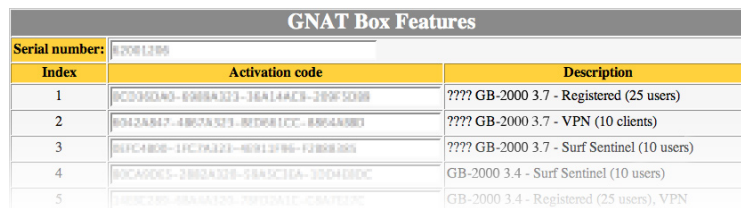
Generating GB-OS 3.7 Feature Activation Codes

In order to upgrade your version of GB-OS to version 3.7.2, first you must enter GB-OS 3.7.2 feature activation codes which are obtained from the GTA Online Support Center (<https://www.gta.com/support/center/>).

Log into the GTA Online Support Center and navigate to the **View Products** page. The View Products page displays all products registered with GTA. If your GTA firewall is eligible for the upgrade, an **UPGRADE TO 3.7.2** link will be available in the ACTION row. Click the link to generate the GB-OS 3.7 feature activation code(s). (If you believe you are eligible for an upgrade to GB-OS 4.0 and do not see a GB-OS 3.7.2 activation code, please contact support@gta.com.)

Log into your GTA firewall using an administrative account and copy the feature activation codes and paste them into the Features screen (**Basic Configuration>Features**). Do not paste the feature activation code(s) over any previously entered codes, they should be entered into a blank line. Once entered, click the **SAVE** button.

If entered correctly, the row's description should say `???? GB-X 3.7 - Registered`, where X is your GTA firewall's model number.



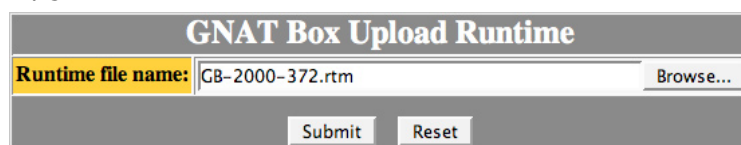
GNAT Box Features		
Serial number:	82081286	
Index	Activation code	Description
1	0C035040-6988A323-38A14ACB-289F5088	???? GB-2000 3.7 - Registered (25 users)
2	8042A817-4807A323-8D081CC-8864A88D	???? GB-2000 3.7 - VPN (10 clients)
3	81FC4808-1FC7A323-8813F86-F2888288	???? GB-2000 3.7 - Surf Sentinel (10 users)
4	80C8D8C5-2882A323-8A83C16A-3D84E8DC	GB-2000 3.4 - Surf Sentinel (10 users)
5	108F288-8888128-8888128-8888128	GB-2000 3.4 - Registered (25 users), VPN

Figure 1: Successful Feature Activation

Upgrading to GB-OS 3.7

To obtain the GB-OS 3.7 runtime, log into the GTA Online Support Center (<https://www.gta.com/support/center/>) and navigate to **Downloads>System Software**. Select the appropriate GB-OS 3.7 runtime for your firewall (e.g., if you are upgrading a GB-2000e, select the **GB-2000 FIREWALL FAMILY** runtime file saved for your operating system under the 3.7 section). Download and extract the runtime file to an easy to remember location on your workstation, such as the desktop (if you are running Microsoft Windows, the runtime will extract to `C:\Program Files\GTA\GB-X-3.7.2\GB-X-37.rtm`, where X is the GTA firewall's model number).

Next, log into your GTA firewall using an administrative account and navigate to **Administration>Upload Runtime**. Browse to the downloaded runtime file and select the **SUBMIT** button. The GTA firewall will then validate the runtime file. If the file is valid, the system will install it and reboot. Your firewall has now been upgraded to GB-OS version 3.7.2.



GNAT Box Upload Runtime	
Runtime file name:	GB-2000-372.rtm <input type="button" value="Browse..."/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Figure 2: Upgrading from GB-OS 3.6 or Below to GB-OS 3.7

Upgrading to GB-OS 4.0

Only after the GB-OS 3.4 or 3.5 firewall has been successfully upgraded to GB-OS 3.7 can it be upgraded to GB-OS version 4.0.

Generating GB-OS 4.0 Feature Activation Codes

First you must enter GB-OS 4.0 feature activation codes which are obtained from the GTA Online Support Center (<https://www.gta.com/support/center/>).

Log into the GTA Online Support Center and navigate to the **View Products** page. The View Products page displays all products registered with GTA. If your GTA firewall is eligible for the upgrade, an **UPGRADE TO 4.0.0** link will be available in the ACTION row. Click the link to generate the GB-OS 4.0 feature activation codes.

Log into your GTA firewall using an administrative account and copy the feature activation code(s) and paste them into the Features screen (**Basic Configuration>Features**). Do not paste the feature activation code(s) over any previously entered codes, they should be entered into a blank line. Once entered, click the **SAVE** button.

If entered correctly, the row's description should say **???? GB-X 4.0 - Registered**, where X is your GTA firewall's model number.

GNAT Box Features		
Serial number:	R2081389	
Index	Activation code	Description
1	BC036D40-698A323-36A14ACB-289F5088	???? GB-2000 4.0 - Registered (25 users)
2	B042A847-48C7A523-82D6A1CC-8864A88D	???? GB-2000 4.0 - VPN (10 clients)
3	B4FC4808-1FC7A121-9E912F86-F3888286	???? GB-2000 4.0 - Surf Sentinel (10 users)
4	B0CA60C5-2862A328-58A5C1EA-3D04B8DC	GB-2000 3.7 - Surf Sentinel (10 users)
5	178E3286-88AA1201-78FD3A1D-C8A7E37C	GB-2000 3.7 - Registered (25 users), VPN

Figure 3: Successful Feature Activation

Upgrading from GB-OS 3.7 to GB-OS 4.0

Only after the GTA firewall has been upgraded to GB-OS 3.7, can it be upgraded to GB-OS 4.0. The steps required to upgrade to GB-OS 4.0 are identical as for upgrading to GB-OS 3.7.

To upgrade from GB-OS 3.7 to GB-OS 4.0, we must first download the new runtime from the GTA Online Support Center (<https://www.gta.com/support/center/>). Once logged in, navigate to **Downloads>System Software**. Select the appropriate runtime for your firewall under the 4.0 section. Download and extract the runtime file to an easy to remember location on your workstation, such as the desktop (if you are running Microsoft Windows, the runtime will extract to **C:\Program Files\GTA\GB-X-4.0.0\GB-X-400.rtm**, where X is the GTA firewall's model number).

Next, log into your GTA firewall using an administrative account and navigate to **Administration>Upload Runtime**. Browse the downloaded runtime file and select the **SUBMIT** button. The GTA firewall will then validate the runtime file. If the file is valid, the system will install it and reboot. Your GTA firewall will now be running GB-OS 4.0.

GNAT Box Upload Runtime	
Runtime file name:	GB-2000-400.rtm <input type="button" value="Browse..."/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Figure 4: Upgrading from GB-OS 3.7.2 to GB-OS 4.0

Upgrade Notes

The following are noted issues that may occur when upgrading to GB-OS 4.0.

Error Messages Upon Initial Reboot

Upon rebooting after successful installation, the GTA firewall may display errors when accessed using the Web interface. This is expected, these errors are generated because the browser's cache is trying to access files and locations that no longer apply. Click **OK** to any displayed errors and refresh the browser window to access GB-OS 4.0.

If the error messages persist, clear your browser's cache.

Default Login and Password Changes

Firewall administrators who have *never* changed their default login and password in the **Admin Accounts** section of GB-OS 3.x will find that their default account's login information will no longer work with GB-OS 4.0. After the firewall administrator has upgraded to GB-OS 4.0, their login and password will both default to **fwadmin**.



Caution

GTA recommends changing the default user ID and password to prevent unauthorized access. Passwords can be changed after logging in.

Static Gateway to Static Gateway VPN Failure

Firewall administrators that have a configured VPN between two static gateways may find that their VPN no longer functions after they have upgraded to GB-OS 4.0. This is caused when the firewall administrator had a local identity configured in the **Authorization>VPN** section on their GTA firewall before it was upgraded to GB-OS 4.0. GB-OS versions prior to GB-OS 4.0 ignored this field when a static gateway to static gateway VPN was configured; in GB-OS 4.0, the local identity is recognized and can result in a failure when a VPN connection previously worked.

To correct this issue, simply navigate to **Configuration>VPN>IPSec Tunnels** and edit the IPSec tunnel in question by setting the local identity to **<IP Address>**.

Restrictive VPN Configurations

When upgrading to GB-OS 4.0, firewall administrators may need to rebuild their VPN policies. In previous versions of GB-OS, VPN access was controlled using pass through filters. In GB-OS 4.0, VPN access is controlled using VPN policies which allow all VPN traffic by default.

Firewall administrators who have upgraded to GB-OS 4.0 will need to manually recreate any restrictive VPN policies.

Naming Conventions

When upgrading to GB-OS 4.0, previously defined objects will have their names changed and may affect automatically generated user group names.

User Group Names and Assignments

Users will automatically be organized into groups based on the name of their VPN object. For example, a user that made use of a VPN object with a name of `Marketing Department` will be assigned to a group named `Group Marketing Department`, while a user that made use of a VPN object with the name of `MOBILE` will be assigned to a group named `Group MOBILE`.

Users that have no VPN object assigned to them will be organized into groups based on the GB-OS version that the administrator is upgrading from, such as `Users_370`.

VPN Object Names

Previously defined VPN objects will have the GB-OS version number appended to their name after the GTA firewall has been upgraded to version 4.0. For example, a VPN object with a name of `IKE` in GB-OS 3.7.0 will be named `IKE_370` after the upgrade.

Address Object Identification

Previously defined address objects that were of type `IP ADDRESSES` will be re-categorized as being of type `ALL` after the GTA firewall has been upgraded to version 4.0.
