



## **SkyFile Mail new IP Firewall for IOP**

Oct 2018  
Ref: Version 1

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## 1. INTRODUCTION

SkyFile Mail provides reliable and cost-effective email, fax and SMS messaging and has been established for nearly 20 years.

Recently, Marlink made the decision to move over to a new Internet Service Provider and will therefore require a new IP-range.

It is an important and mandatory operation, so we hope to make it as clear as possible for all those affected.

### 1.1 WHY THIS CHANGE?

The current IP-range belongs to an alternative service provider, but in order to remain competitive, we have now acquired our own unique IP address to ensure extra security, flexibility and better performance.

### 1.2 WHAT IS IMPORTANT FOR YOU TO KNOW

If you are using an Iridium OpenPort, and if the embedded IOP Firewall has been configured, you must add the new IP-address: **77.70.254.246** into the Firewall of your IOP. Do not yet remove the current one given both IP-addresses will be running in parallel.

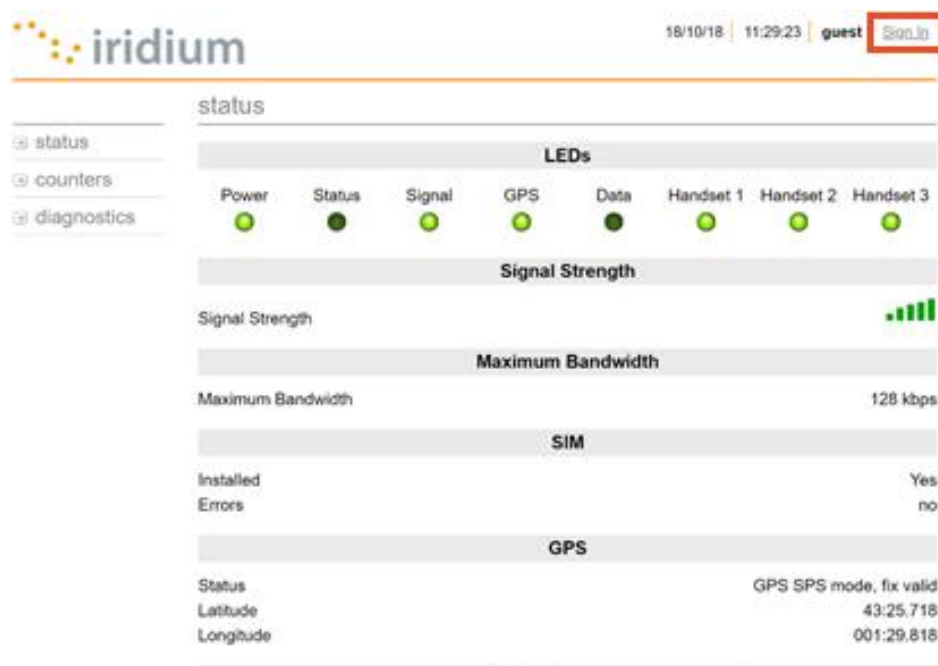
This update must be done **before Friday, 30<sup>th</sup> November 2018** because a second operation (automatic OTA update) will be organized the first week of December, and both IP-address must be available before. The new SkyFile Mail v10.30 OTA update will include the new IP. The version 10.30 also is available for download on the Marlink website.

Please act now, as the old IP address will **no longer be available after January 2019**.

## 2. IOP CONFIGURATION

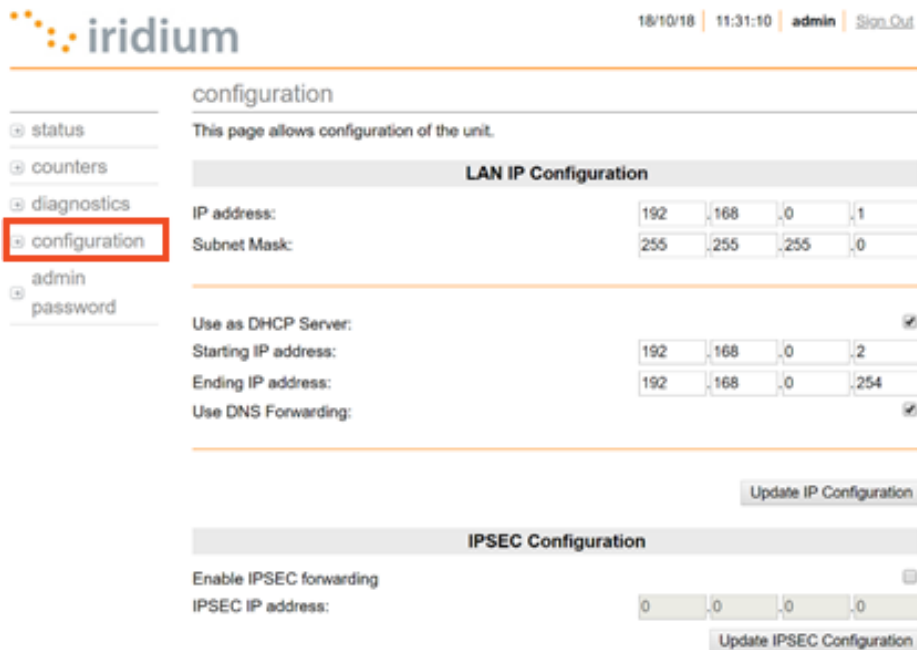
### 2.1 STEP 1 – LOGIN TO THE IOP WITH THE ADMINISTRATOR ACCOUNT

Connect to the Dashboard of the terminal and click on **Sign in**:



The screenshot shows the Iridium IOP dashboard. At the top left is the Iridium logo. At the top right, it displays the date and time: 18/10/18 | 11:29:23, and the user is logged in as 'guest'. A 'Sign in' button is highlighted with a red box. The main content area is titled 'status' and includes a sidebar with links to 'status', 'counters', and 'diagnostics'. The main content is divided into several sections: 'LEDs' with indicators for Power, Status, Signal, GPS, Data, Handset 1, Handset 2, and Handset 3; 'Signal Strength' with a bar chart; 'Maximum Bandwidth' showing 128 kbps; 'SIM' section with 'Installed' (Yes) and 'Errors' (no); and 'GPS' section with 'Status' (GPS SPS mode, fix valid), 'Latitude' (43:25.718), and 'Longitude' (001:29.818).

Login with the Admin account (by default login/password is admin/admin) and then click on **Configuration**:



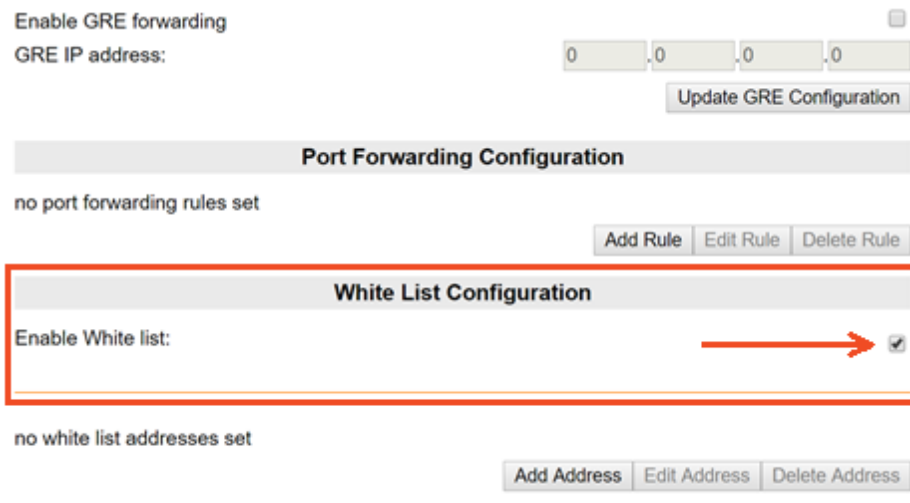
The screenshot shows the Iridium configuration interface. On the left is a navigation menu with items: status, counters, diagnostics, configuration (highlighted with a red box), admin, and password. The main content area is titled 'configuration' and contains two sections: 'LAN IP Configuration' and 'IPSEC Configuration'. In the LAN IP section, the IP address is 192.168.0.1 and the Subnet Mask is 255.255.255.0. There are checkboxes for 'Use as DHCP Server' and 'Use DNS Forwarding', both of which are checked. The IPSEC section has a checkbox for 'Enable IPSEC forwarding' which is unchecked, and an IPSEC IP address field set to 0.0.0.0. Buttons for 'Update IP Configuration' and 'Update IPSEC Configuration' are visible at the bottom of each section.

## 2.2 STEP 2 – ENABLE THE FIREWALL ON THE IOP

If enabled already, you can move to step 3.

On the next page, scroll down to the section **White List Configuration**.

Check the box on the line **Enable White List**:



This screenshot shows the 'White List Configuration' section of the configuration page. It is highlighted with a red border. At the top, there is a checkbox for 'Enable GRE forwarding' which is unchecked, and a 'GRE IP address' field set to 0.0.0.0. Below this is the 'Port Forwarding Configuration' section, which shows 'no port forwarding rules set' and buttons for 'Add Rule', 'Edit Rule', and 'Delete Rule'. The 'White List Configuration' section has a checkbox for 'Enable White list' which is checked, with a red arrow pointing to it. Below this, it says 'no white list addresses set' and has buttons for 'Add Address', 'Edit Address', and 'Delete Address'.

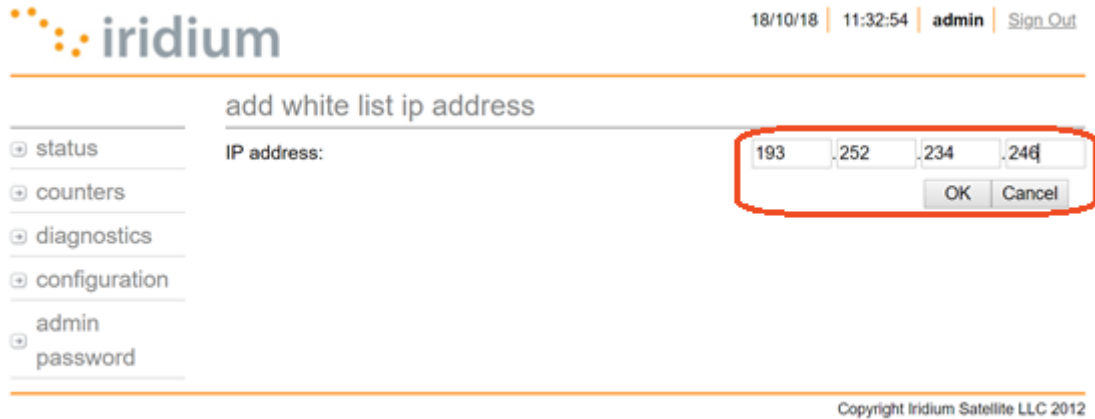
The page will reload, scroll down again and click on **Add Address**

### 2.3 STEP 3 – ADD THE CURRENT SKYFILE MAIL IP ADDRESS

This is necessary during the IP address transition phase.

For users with the version [10.30](#) (or later), go to the [section 2.4 step 4](#) directly.

On the next page, enter the IP address **193.252.234.246** as follows and click on **OK**:

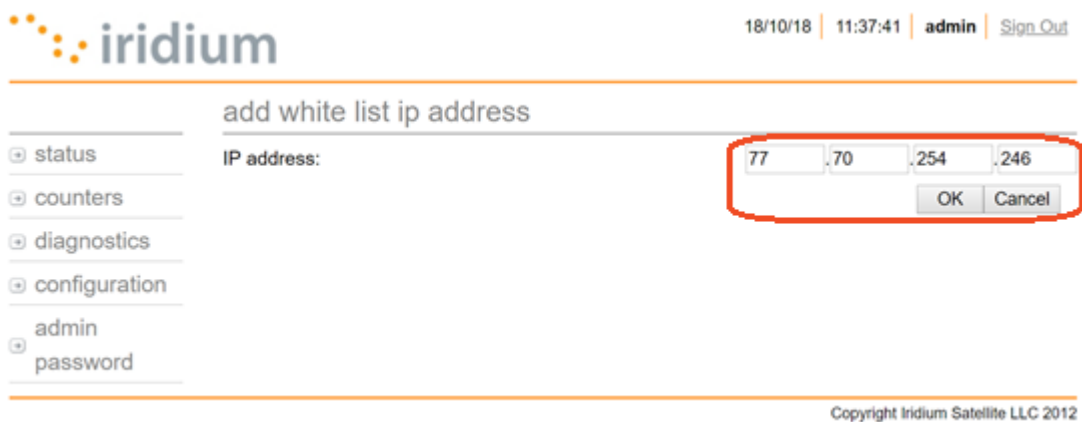


The screenshot shows the Iridium web interface. At the top left is the Iridium logo. At the top right, it displays the date and time '18/10/18 | 11:32:54', the user role 'admin', and a 'Sign Out' link. Below the header is a navigation menu with items: status, counters, diagnostics, configuration, admin, and password. The main content area is titled 'add white list ip address'. Underneath, there is a label 'IP address:' followed by four input fields containing the values '193', '.252', '.234', and '.246'. To the right of these fields are 'OK' and 'Cancel' buttons. The entire input area is highlighted with a red rectangle. At the bottom right, there is a copyright notice: 'Copyright Iridium Satellite LLC 2012'.

### 2.4 STEP 4 – ADD THE NEW SKYFILE MAIL IP ADDRESS

Click on **Add Address** to add the new SkyFile Mail IP address.

On the next page, to enter the address **77.70.254.246** and click on **OK**:

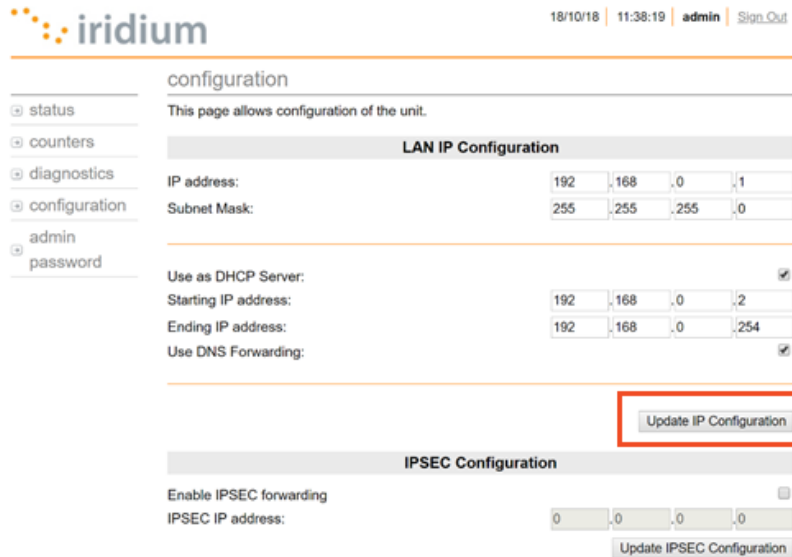


The screenshot shows the Iridium web interface. At the top left is the Iridium logo. At the top right, it displays the date and time '18/10/18 | 11:37:41', the user role 'admin', and a 'Sign Out' link. Below the header is a navigation menu with items: status, counters, diagnostics, configuration, admin, and password. The main content area is titled 'add white list ip address'. Underneath, there is a label 'IP address:' followed by four input fields containing the values '77', '.70', '.254', and '.246'. To the right of these fields are 'OK' and 'Cancel' buttons. The entire input area is highlighted with a red rectangle. At the bottom right, there is a copyright notice: 'Copyright Iridium Satellite LLC 2012'.

## 2.5 STEP 5 – RESTART THE TERMINAL TO LOAD THE CONFIGURATION

Once back on the main page, click on **Update IP Configuration** to restart the IOP and reload the configuration.

Click on Yes to validate:



The screenshot shows the Iridium configuration interface. At the top left is the Iridium logo. At the top right, it displays the date and time (18/10/18 | 11:38:19) and the user role (admin) with a Sign Out link. A navigation menu on the left includes status, counters, diagnostics, configuration (selected), admin, and password. The main content area is titled 'configuration' and contains a sub-section for 'LAN IP Configuration'. This section includes fields for IP address (192.168.0.1) and Subnet Mask (255.255.255.0). Below these are checkboxes for 'Use as DHCP Server' (checked), 'Starting IP address' (192.168.0.2), 'Ending IP address' (192.168.0.254), and 'Use DNS Forwarding' (checked). A red box highlights the 'Update IP Configuration' button. Below this is the 'IPSEC Configuration' section, which has a checkbox for 'Enable IPSEC forwarding' (unchecked) and an 'IPSEC IP address' field (0.0.0.0) with its own 'Update IPSEC Configuration' button.

## 3. NEED SUPPORT?

If you have any questions, please contact your Key Account Manager or Marlink Service Desk:

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