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USERGUIDE

AmosConnect™ from Stratos Migration Guide AmosMail Hub System to AmosConnect

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1 The Migration Process

This guide is designed to help you transfer your existing AMOSMail hub setup, with an office installation and a vessel, to an AmosConnect setup.

This migration process document is intended for an experienced AMOSMail administrator or Stratos Engineer.

The software version used in this guide for screenshots is 5.2.1, released 14-123-2004. Installations packages can be downloaded via the Maritime Portal.

2 Requirements

You require the following items to proceed

- A copy of the latest AmosConnect Full version software
- The OFFICE post office to be registered on the AmosConnect Hub
- The VESSEL post office to be registered on the AmosConnect Hub
- A decision made on the e-mail domain for the vessels.
- A currently working Office-vessel AMOSMail system setup
- The OFFICE post office machine able to access the internet (outgoing on TCP:1526)
- Access to AmosConnect Online.
- An "ADMIN" mailbox on each installation with post office management rights.

This guide will cover two parts.

- Provide an overview of the migration process
- Tips on setup

Due to the management options in the AmosConnect Online systems nearly all things can be setup by the client via an Internet browser and access to the Internet. Access the AmosConnect Online system via the Stratos Maritime portal. Your Sales representative is responsible to provide you with the required username/ password and access.

3 Migration Checklist

Migrating an AMOSMail installation to use AmosConnect is quite simple and straightforward. From this to migrate a complete AMOSMail office-Vessel system is easy as well.

However it is important that you follow the steps in sequence. Therefore we advise you to use this checklist and to tick off each step when you have completed it. If you have any problems and need to contact us, then it is very useful for us to know how far you have gone in the process.



	Action to be taken	Tick When Completed
1	Upgrade your AMOSMail installation(s) to the last version.	
2	Check connectivity from the OFFICE post office machine to internet. Perform a ping to "TCP2.AMOSCONNECT.COM"	
3	Register the OFFICE post office on AMOSConnect and receive PO Password back.	
4	Register the VESSEL post office on AMOSConnect and receive PO password back	
5	Decide on an e-mail address structure, and register private domain if wished.	
6	Link the OFFICE installation to AmosConnect	
7	Setup mail addresses for the OFFICE system via AmosConnect (via Online)	
8	Link the VESSEL installation to AmosConnect.	
9	Setup mail addresses for the VESSEL system via AmosConnect (via Online)	
10	Switch the VESSEL installation to use AmosConnect as default, and reconfigure the OFFICE system to reach VESSEL via AmosConnect.	
11	Import Internet mail addresses into address books.	

After the first VESSEL is done, other vessels of the same AMOSMail setup can follow using prior experience and a more efficient approach.

4 Upgrade Installations to Latest Version

4.1 Backups and Upgrades

In order to support you on normal software use via our Customer Service Center we require a minimal version number for new installations of version 5.1x and up.

As we add new management and use feature with each version we ask you to upgrade your installations to the latest versions prior to connecting to AmosConnect. This will help you on your role out as well.

ALWAYS MAKE BACKUPS PRIOR TO UPGRADES OR MAJOR RECONFIGURATIONS

For AMOSMail this typically would be:

- AMOSMail application directory
- The Database folder
- The registry keys under HKLM\Software\Spectec* and-or HKLM\Software\Stratos*
- A copy of the installation package of your current version



5 Check OFFICE Connectivity to Internet

In order to establish a connection from the OFFICE post office to the AMOS post office we advise to use the TCP connection method. This will enable you to poll for messages via the Internet without extra costs, as the Internet connection mostly is already present in offices.

The system requires an outgoing installation via TCP on port 1526. The system may be fire walled, and may reside behind NAT translation. (Older versions of AMOSMail required 2 way connections, as of version 5.10 this has been changed)

From the machine running the OFFICE post office you should be able to ping "TCP2.AMOSCONNECT.COM".

6 Register the OFFICE Post Office on AmosConnect

By registering your OFFICE post office installation (via your sales manager) on AmosConnect you receive the required PO password.

Also you are now able to go on the AmosConnect Online web system and setup more details for your Remote Post Office. In AmosConnect all other AmosConnect clients (AMOSMail based installations) are referred to as "REMOTES".

7 Register the VESSEL Post Office on AmosConnect

By registering your VESSEL post office installation (via your sales manager) on AmosConnect you receive the required PO password.

Also you are now able to go on the AmosConnect Online web system and setup more details for your Remote Post Office VESSEL like:

- The Inmarsat-C number for Non Delivery Notifications
- Administrator mail address for vessel alerts
- New mail notifications
- Etc.



AmosConnect settings for remote VESSEL: MS Vessel

Remote ID **VESSEL**
 Type of installation **licensed**
 Customer XAN OPS
 Fleet ID [select from salescode XAN OPS](#) | [select any fleet](#)
 Account Nr [select from salescode XAN OPS](#) | [select any account](#)
 Fictive ID
 Last connect
 Software version
 Remote Name
 terminal Type
 Terminal ID
 Terminal make / model
 Terminal comments
 Remote Password
 Remote locked out
 From address on Telex
 From address on Fax
 Send email alert to if mailbox is not emptied after hours
 (free of charge)
 Send mail waiting notifications for each message of priority to Inmarsat C terminal nr
 (USD 0.50 per notification)
 Send negative notification for telex/fax for each message to Inmarsat C terminal nr
 (free of charge)
 copy incoming messages to email address
 copy outgoing messages to email address
 Number of mailboxes on license **5** [manage license details](#)

The online system of AmosConnect allows you to set-up all options for your remotes.

8 Decide on E-Mail Address Standard

In order to have a transparent setup across all vessels and offices it pays off to have a good thought about the e-mail address contraction, which is going to be used.

Mostly combinations with the Mailbox ID's are used. When changing from a private setup to AmosConnect the-mail domain cannot remain the same as the firm's office mail domain.

The structure of the Internet does not allow this. E-Mail for a domain can only be delivered to one place and this cannot be the office AND AmosConnect at the same time. Stratos provides mail domains ending on AMOSCONNECT.COM for free. We advice to use a structure like: <MAILBOXID>. <INSTALLATION NAME>@Company.AmosConnect.COM

Note: if onboard a 3rd party mail server like exchange is to be used, a different domain for each vessel is required

Alternatively a private mail domain may be used. Registration, administration and ownership of this domain lie with the customer. Mostly a mail domain like "@CompanyFleet.com" is used. After organizing this with your

preferred Internet Service Provider have the MX records point to "RELAY.STATION12.COM", and inform your sales representative so we can setup acceptance for this domain on Stratos systems.

9 Link the OFFICE System to AmosConnect

In order to communicate from your OFFICE via the Internet with AMOS, additional settings are required.

1. Create a Remote Post office named AmosConnect with PO-ID "AMOS"
2. Set-up AMOS, as HOST connected via TCPIP
3. Via the Details button insert the PO password provided after registration
4. As Host address use "tcp2.amosconnect.com"

TCP/IP Connection Details

Negative Notifications | Positive Notifications

Access | Scheduling | Alert | Aging | Directory

Host password: Locked out

Use the following TCP/P host and port when connecting to this host.

Host (name or IP number):

Port number:

Preserve Internet content for messages relayed to this host.

Enable transparent internet relay

Log messages that are sent and received via this gateway.

Enable logging

OK Cancel

5. Via the scheduling tab setup a schedule to connect every 10 minutes

Days	Hours	Minutes
0-6	0-23	0,10,20,30,40,50

Connect immediately when a message is queued
 Connect according to schedule if a message is queued
 Connect according to schedule always (polling)
 Connect immediately for high priority messages

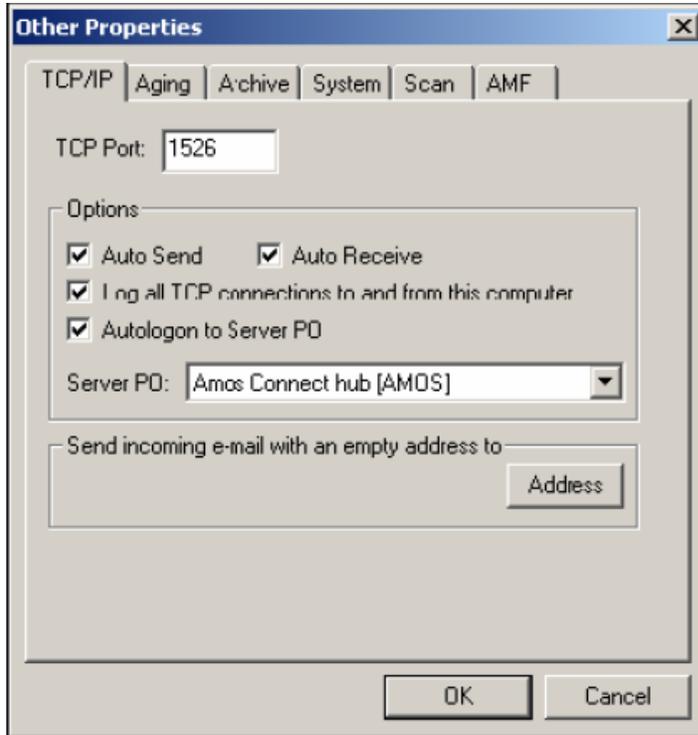
Schedule: 10 minute schedule ...

Verify that a minimum of "interval minutes" elapse between two successive calls.

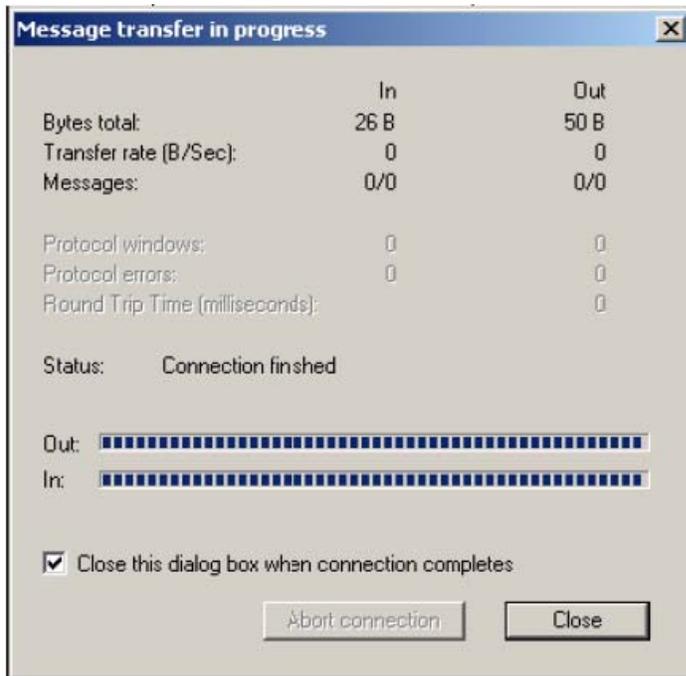
Interval 0 minutes

6. Press **OK**

7. Go to Remote > Other Services to enable TCP connections with the AmosConnect hub as auto-logon server



8. Press **OK**
9. Press **OK**
10. After this you might need to restart the application
11. At startup a connection will be attempted to AMOS and a connect dialog may appear shortly.



12. The appearance of these connection boxes may be turned off via: Setup>Local PO management> preferences> [] Never display connection progress dialogs.

13. In your Send-Queue activity screen in the application you should have seen activity like:

```
TCP: TCP connecting to tcp1.amosconnect.com
TCP: Logged on to <AMOS,6.4,WIN-S>
TCP: Closing session to tcp1.amosconnect.com
```

a.

14. From now on you should see this every 10 minutes

10 Setup Mail Addresses for the OFFICE System via AmosConnect

Now that the mail domain is known and the address structure as well you can create the required Mailbox e-mail addresses on AmosConnect via the online administration system.

Access your REMOTE, and choose the Mailbox menu option. This will bring you to the page where you can add, alter or delete mail addresses.

The ADMIN mailbox address cannot be deleted, it can be edited to use other mail addresses. An ADMIN on your OFFICE installation is **mandatory**. If you already have a SYSOP user for instance, create the ADMIN mailbox with the same rights. In time you can decide to drop the SYSOP mailbox/user.

edit	all none	Remote	Internet address	AMOS address
	<input type="checkbox"/>	OFFICE	admin.officename@company.amosconnect.com	ADMIN@OFFICE

Actions:

Select an action

When you add or change mailbox mail addresses, automatically configuration files are created on the AMOS hub, which are put in the send queue of the Remote. The next time the Remote connects to AMOS these auto-configuration files are transferred, and on the Remote executed. They will change the reply address and max size if the mailbox already exists.

If the mailbox does not exist it will be created automatically with an empty password.

11 Link the VESSEL Installation to AmosConnect

Prior to fully switching to AmosConnect you should change the onboard configuration to be able to connect from your VESSEL to AMOS.

Note: Upgrade the installation to the latest software version first.

1. Create a Remote Post office named AmosConnect with PO-ID "AMOS"
2. Set-up AMOS, as HOST connected via Modem
3. Via the Details button insert the PO password you received in the registration, and create a phone number entry with name "65" and phone number 65
4. Press OK
5. Press OK
6. Now Press DAIL from the tool bar or CTRL-E

Modem Connection Details

Negative Notifications | Positive Notifications

Dial | Scheduling | Alert | Aging | Directory

Host password: Locked out

Use the following phonebook entries when connecting to this host.

Primary: ...

Alt 1: ...

Alt 2: ...

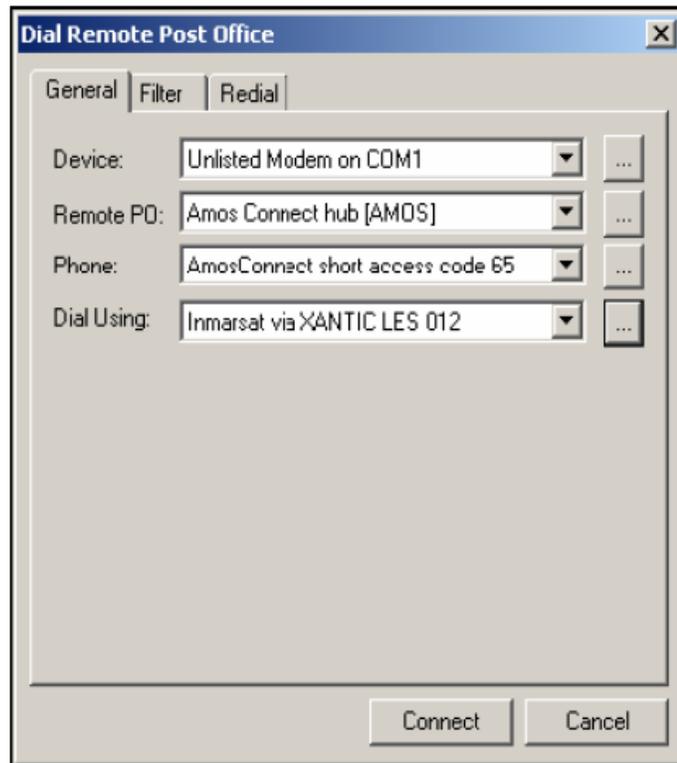
Alt 3: ...

Use alternate as primary if delivery succeeds

Preserve Internet content for messages relayed to this host.

Enable transparent Internet relay

7. Select the AMOS PO to dial
8. Select the phone number entry 65
9. Select the Dial using entry the one you always use
10. Press Connect.



7. You should now be able to connect to AMOS, in the activity screen a LOGGED ON should be seen, and a session complete.

```

COM1: Initialize Complete
COM1: Calling Amos Connect hub
COM1: Phone: 65#
COM1: EV_RLSD ON
COM1: CONNECT 64000
COM1: Requesting Download
COM1: End of Output
COM1: Logged on to <AMOS,6.4,WIN-S>
COM1: End of Input
COM1: Session Complete

```

(The baud CONNECT rate is dependant of your terminal type)

11. Be aware that short access code 65 only works via Stratos. So make sure your terminal is set to LES 012 as default.

12 Setup Mail Addresses for VESSEL on AmosConnect

Via the same way as for the OFFICE installations, go to AmosConnect Online and setup your email addresses to Mailbox ID's they way you decided earlier.

When you add or change mailbox mail addresses, automatically configuration files are created on the AMOS hub,



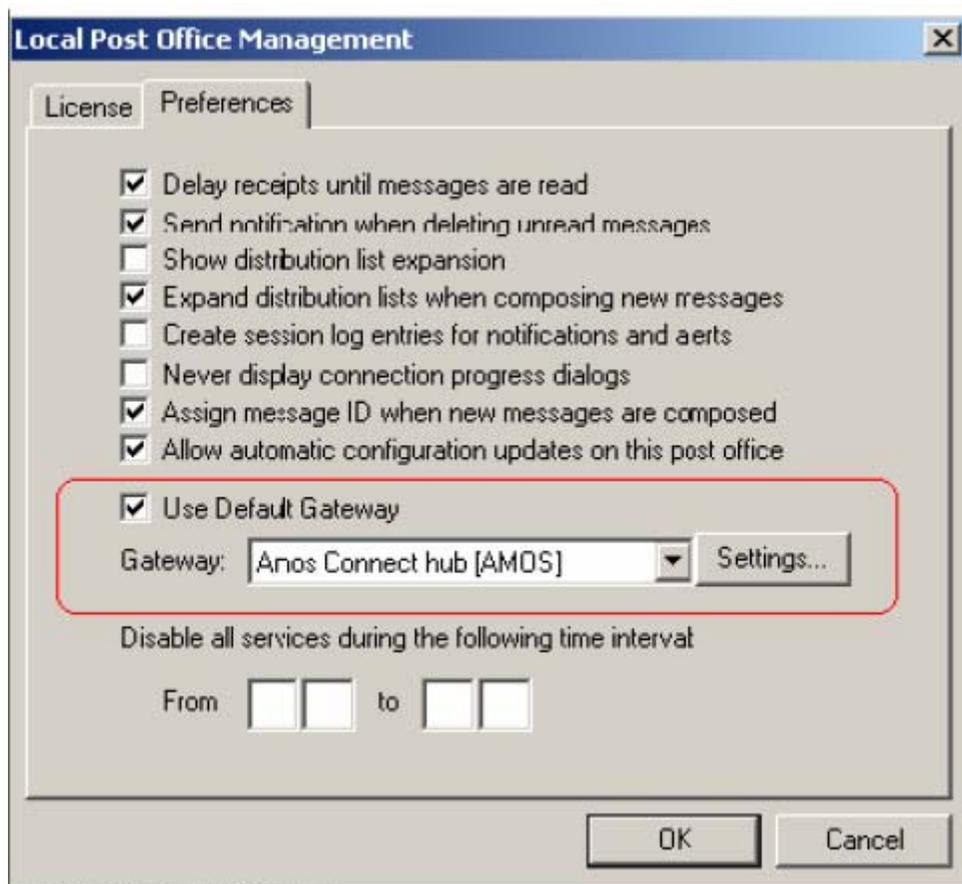
which are put in the send queue of the Remote.

The next time the Remote connects to AMOS these auto-configuration files are transferred, and on the Remote executed. They will change the reply address and max size if the mailbox already exists. If the mailbox does not exist it will be created automatically with an empty password.

13 Switch the VESSEL to use AmosConnect

Now you must change the VESSEL configuration to use AmosConnect as default.

1. Go to Local PO settings
2. Go to 2nd Tab 'preferences'
3. Use default gateway: mark this selection, and select "AmosConnect" from the list.



4. Press OK
5. Go to remote PO management
6. Remove the remote PO SMT, FAX, TLX, TXT definitions if present
7. Change the OFFICE remote PO to type "Rerouted Host or Gateway"

Remote Post Office Management

General | Miscellaneous | Distribution

Remote post office

PO ID: OFFICE

PO Name: Company Office hub

Entry Type

- Host connected via Modem
- Host connected via TCP/IP
- Rerouted Host or Gateway
- Gateway on this post office
- Host connected via file exchange (AMF)
- Host connected via Internet Tunneling
- Host requesting registration

Details

OK Cancel

8. Set the Route to OFFICE via AMOS.
This way all your native AMOSMail addresses will still reach OFFICE. (Including API messages)

Routing Details

Routing | Directory

Reroute all mail for this host/gateway to the following route.

Route: @OFFICE@AMOS

OK Cancel

9. Press OK

10. Press OK

On your OFFICE installation you must now change the Remote PO VESSEL to be a Rerouted Host of Gateway as well.

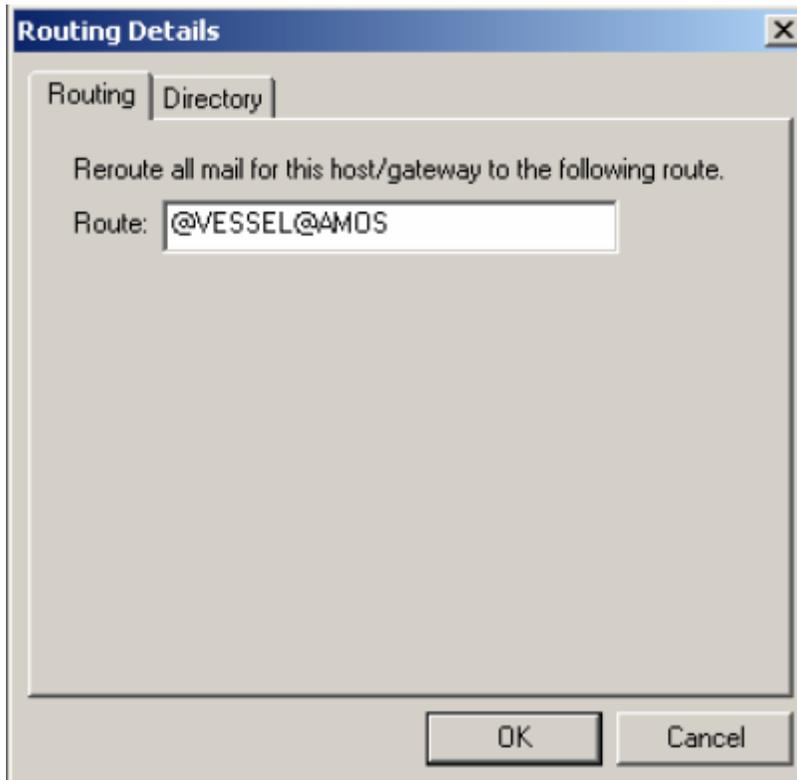
11. Go to remote PO management

12. Change the VESSEL remote PO to type "Rerouted Host or Gateway"

The screenshot shows a dialog box titled "Remote Post Office Management" with a close button (X) in the top right corner. The dialog has three tabs: "General", "Miscellaneous", and "Distribution", with "General" selected. Inside the "General" tab, there are two input fields: "PO ID:" containing "VESSEL" and "PO Name:" containing "HMS \vessel". Below these fields is the "Entry Type" section, which contains a list of radio button options: "Host connected via Modem", "Host connected via TCP/IP", "Rerouted Host or Gateway" (which is selected), "Gateway on this post office", "Host connected via file exchange (AMF)", "Host connected via Internet Tunneling", and "Host requesting registration". A "Details" button is located to the right of the radio button options. At the bottom of the dialog are "OK" and "Cancel" buttons.

13. Set the Route to VESSEL via AMOS

This way all your native AMOSMail addresses will still reach VESSEL (including API messages)



14. Press OK

15. Press OK

14 Import Address Books with Internet Mail Addresses

As your vessel will now be able to communicate with AMOS and send Internet e-mail it is a good idea to import a list of Company Internet mail addresses into an address book onboard.

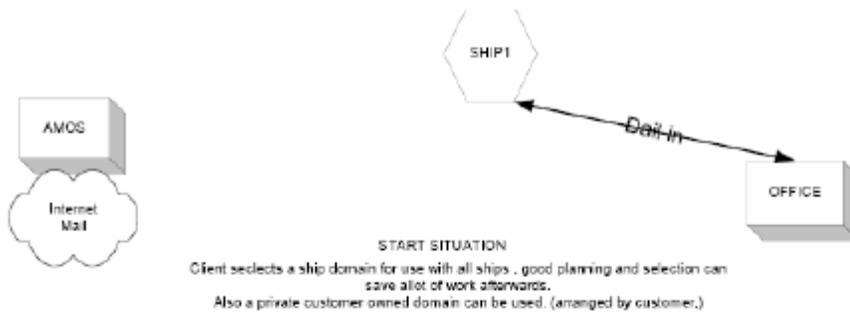
Your old style AMOSMail addresses <Mailbox>@OFFICE addresses will still work due to the reroute you created.

You are now complete for your first vessel.

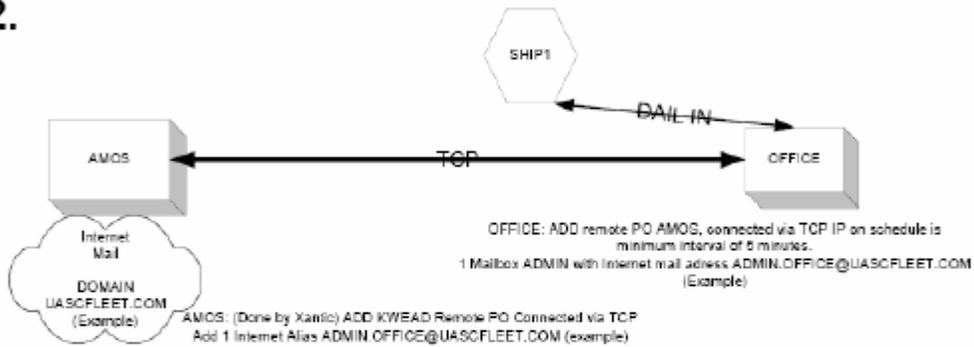
To continue with the next this same guide can be used, skipping the parts already configured prior. Next page is a 3-step overview of the process:

Diagram

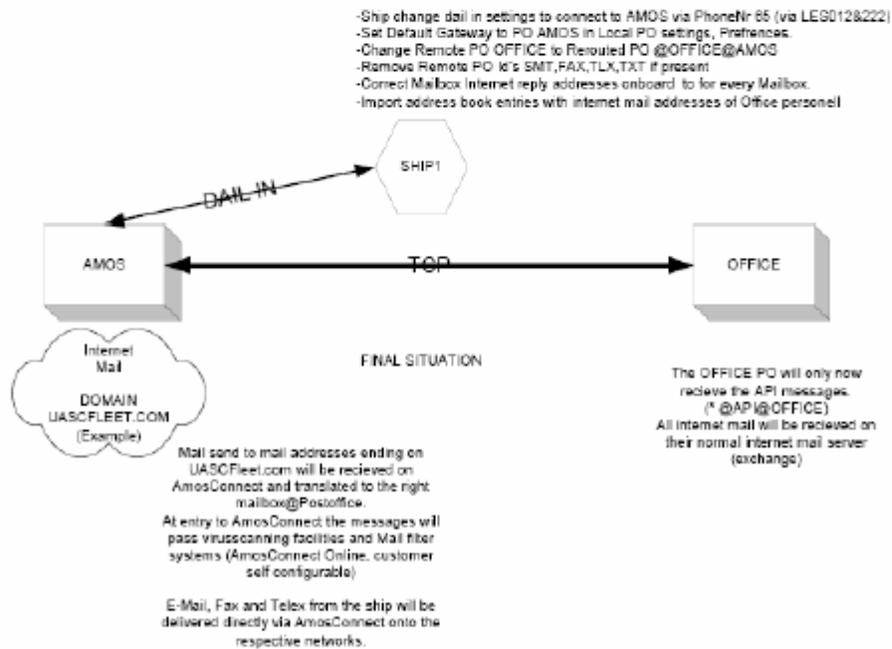
1.



2.



3.



About Stratos

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