

SMTP Gateway for Windows NT

First, the legalese:

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The SMTP Gateway for Windows NT is a Windows NT service which can be used to transfer mail between a Microsoft Mail postoffice and an SMTP host. Only one post office and gateway is required to service all mailboxes of that post office. Only one post office is needed to provide mail boxes for a network of connected Microsoft mail clients.

The SMTP gateway does not intelligently route mail, instead forwarding all outgoing messages to a designated router host. It also refuses to accept incoming mail not destined for mailboxes present on the local post office.

Requirements:

To use this SMTP Gateway, you must have:

- An Intel version of the Windows NT operating system.
- An upgraded or stand-alone Microsoft Mail postoffice. The gateway code WILL NOT work with the default workgroup post office. Microsoft part # 068-499-300 can be used to upgrade the post office.
- The TCP/IP service installed and correctly configured on a Windows NT machine that hosts the post office, or can see the post office via a network share
- A TCP/IP connected host that will generate/accept SMTP connections to/from the Windows NT machine containing the gateway

Installation:

*On a network of Windows NT machines with **NO POSTOFFICE** yet installed:*

- Designate one Windows NT machine as the post office.
- Run MAIL (msmail32.exe), and choose to Create a new post office when prompted - You will be sharing the WGPO directory among your workgroup of Windows NT machines. You may wish to create the post office on a separate partition of your hard disk. (In this example, we'll be putting the post office on a computer named PISMO on drive M). In our example, the post office will be called post1.
- Share the post office directory among the Windows NT workgroup by using the file manager or the command
NET SHARE WGPO=M:\
- Make sure that the other Windows NT machines can mount the shared directory via the file manager or via
NET USE M:=\PISMO\WGPO

When setting up mail clients on the other Windows NT workstations, make sure the Tools Options Server information is set to use the common post office on drive M:

- Continue with directions below:

On a network of Windows NT machines already set up with a workgroup post office:

- Upgrade the post office to a full stand-alone configuration using Microsoft part # **068-499-300** (Mail and Schedule+ Extensions) or equivalent.
- ALL ADMINISTRATION OF THE POST OFFICE ONCE UPGRADED MUST BE DONE WITH THE UTILITIES SUPPLIED BY THE UPGRADE PACKAGE. (Note: We have had one report that administrative changes to add users and create new groups are not visible to clients when the admin utilities are run under Windows NT, but are unable to reproduce this bug. If you run into this problem and have a DOS machine available on your network, you can run the admin utilities from there as a work-around.)

- Continue with "Install the SMTP gateway software" below.

On a network of Windows NT and DOS machines already set up with a full DOS post office and dedicated DOS machine running Microsoft's SMTP Gateway for DOS:

- Remove the DOS gateway using the installation program included in your DOS Gateway package.
- Continue with "Install the SMTP gateway software" below.

Install the SMTP gateway software:

The SMTP gateway for Windows NT package consists of 6 files:

SMTPGATE.TXT -- ASCII version of this file
 SMTPGATE.DOC -- this file
 INSTALL.EXE -- the installation program
 GATEWAY.EXE -- the gateway service itself
 SMTPPUT.EXE -- a utility program called by the gateway
 SMTPGET.EXE -- a utility program called by the gateway

Copy all of these files into your post office directory (in our example, M:\ on the machine named PISMO), and run INSTALL.EXE with two parameters: the TCP/IP hostname of the mail post office, and the IP address of the SMTP mail router host.

For our example, PISMO is the hostname, and the SMTP mail host IP address is 192.9.0.4.

```
INSTALL pismo.microsoft.com 192.9.0.4
```

The installation program will modify several of the existing post office data files, and call the NT Service Manager to add the gateway to the current control set.

NOTE:

If your Windows NT machine that is running the gateway software is known by multiple names (such as pismo.microsoft.com AND pismo), add an entry to the file M:\SMTP\ADDR_MAP.CFG:

```
Windows/post1 pismo.microsoft.com
Windows/post1 pismo <-added entry
```

Lines in this file have the format of
 <POST OFFICE NETWORK NAME>/<POST OFFICE NAME> <SPACE><SMTP MAIL NAME>

This and other administrative tasks can also be performed using the ADMIN.EXE tool included in the Mail and Schedule+ extensions package.

- Start the gateway service using the Services applet in the Control Panel -- select "SMTP Gateway" and click on the "Start" button. You can also, at this time, set the gateway to automatically start up at boot time through the "Startup..." dialog.

Startup Parameters are also accepted by the gateway through the Services applet. The following parameters are supported:

```
-Clevel      Logging levels, where level is: i=info, w=warning, e=error, n=none
-Fm, -Ff, -Fr  From address extraction for mail SMTP->MS MAIL.
                m = SMTP "MAIL FROM" line (default)
                f = message's From: header
                r = message's Reply-To: header
-Lgroups     Logging groups: a=all c=network courier s=smtp
                y=system a=address n=none
-MR          Logging to RECV summary file
-MS          Logging to SENT summary file
```

-Osize Limit to size of outgoing mail (default=0, which is no limit)
-Qtime Timeout before failing when trying to connect to router (default=180)
-RE Disable encapsulation
-RR Generate Rr: header for registered mail
-T Retain trace headers on incoming mail
-U Disable automatic uudecode
-Wtime Seconds between polling for outbound messages (default=300)

- Logging information can be found in the LOG directory under the post office main directory.