

# Install send mail service on Fedora

## Overview

This guide explains how to set up authenticated email sending from the command line on Fedora using **msmtp** (a lightweight SMTP client) and **s-nail** (a mailx-compatible mail utility). This method is ideal for scripts and system notifications in environments where only authenticated SMTP is allowed.

## 1. Install Required Packages

```
sudo dnf install -y msmtp s-nail
```

## 2. Configure msmtp

1. Copy the example configuration (optional):

```
sudo cp /usr/share/doc/msmtp/msmtprc-system.example /etc/msmtprc
```

2. Edit `/etc/msmtprc` and adjust to your SMTP provider:

```
sudo nano /etc/msmtprc
```

Example configuration:

```
defaults
auth          on
tls           on
tls_trust_file /etc/ssl/certs/ca-bundle.crt
logfile       /var/log/msmtp.log

account       default
```

```
host      mail.hosting.de
port      587
from      admin@simmy.org
user      admin@simmy.org
password  <super-secret>
```

3. Set permissions to protect your password:

```
sudo chmod 600 /etc/msmtprc
```

## 3. Configure s-nail to Use msmtmp

Add the following line to `/etc/s-nail.rc` or your `~/.mailrc`:

```
set mta=/usr/bin/msmtmp
```

## 4. Send a Test Email

```
echo "This is the body" | mail -s "Test Subject" recipient@example.com
```

- If the command returns no errors, the mail was sent successfully.
- Check `/var/log/msmtmp.log` for troubleshooting if needed.

## 5. Notes

- If you receive an error like "**Authenticated user is not permitted to override sender address**", ensure the `from` address in `/etc/msmtprc` matches the authenticated SMTP user, or configure your SMTP provider to allow the desired sender address.
- For use in scripts (e.g., backup notifications), simply use the `mail` command as shown above.

## References

- [Sending e-mails via mailbox.org with msmtmp on Fedora](#)
- [Fedora Docs: Mail Servers](#)
- [Fedora Forum: Sending mail with the \(mailx\) command](#)

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