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## Transactional Mail Relay Setup Documentation

This guide will walk you through the steps to set up a new domain and credentials in Transactional Mail Relay, a popular open-source mail server. By following these steps, you will be able to configure your domain for sending emails and set up the necessary credentials for authentication.

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### Prerequisites

Before you begin, make sure you have:

- Access to the Transactional Mail Relay web interface.
  - The domain you want to configure.
  - DNS management access for your domain (usually available through your domain registrar).
  - An existing Transactional Mail Relay installation with administrative access.
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### Step 1: Add a New Domain in Transactional Mail Relay

#### 1. Log in to Transactional Mail Relay Admin Interface

Open your Transactional Mail Relay instance in a web browser and log in with your administrative credentials.

#### 2. Navigate to Domain Settings

Once logged in, navigate to the Domains section in the Transactional Mail Relay interface. This can usually be found under the "Organizations" or "Domains" tab in the dashboard.

#### 3. Add a New Domain

- Click on the Add Domain button.
- Enter the domain name (e.g., yourdomain.com) in the provided field.
- After entering the domain, click Save or Add Domain.

#### 4. **Configure DNS for Domain**

Transactional Mail Relay will now generate DNS records that need to be added to your domain's DNS settings for the domain to be verified.

- **SPF Record:** This will allow Transactional Mail Relay to send emails from your domain.
- **DKIM Record:** This is used for email signature verification.
- **MX Record:** This is optional, but if you want Transactional Mail Relay to handle incoming emails, you will need to configure the MX records.
- **Return-Path (Bounce Handling):** Transactional Mail Relay will provide a CNAME record for handling bounced emails.

Copy these DNS records and add them to your DNS provider (e.g., GoDaddy, Cloudflare). Ensure the propagation of these changes before continuing.

#### 5. **Verify Domain**

After updating the DNS settings, go back to Transactional Mail Relay and click Verify Domain. Transactional Mail Relay will check the DNS configuration and verify that the domain has been set up correctly.

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## **Step 2: Add Credentials for the New Domain**

Once your domain is added, the next step is to set up credentials that can be used by Transactional Mail Relay to authenticate users or applications to send emails.

#### 1. **Go to Credentials Section**

Navigate to the Credentials tab under the domain settings.

#### 2. **Create New Credential**

- Click the Create Credential button.
- Give the credential a name (e.g., "App1 Email Sender" or "Marketing Tool").
- Select the type of credential (SMTP or API):
  - **SMTP Credentials:** Use these if you want to connect your domain with a mail client or application that uses SMTP for email delivery.
  - **API Key:** Use this if you want to integrate with Transactional Mail Relay's API for programmatic email sending.

#### 3. **Configure SMTP Credential**

If using SMTP, Transactional Mail Relay will generate:

- Username
- Password
- SMTP server address (usually something like mail.yourdomain.com)

Save these details as they will be needed when configuring your mail client or application.

#### 4. **Configure API Key (if using API)**

Transactional Mail Relay will generate a unique API key that can be used to

authenticate your requests via Transactional Mail Relay's API. Ensure that this key is securely stored.

5. **Set Permissions**

Transactional Mail Relay allows you to configure permissions for each credential. Define what actions can be performed (e.g., send emails, manage bounces) and restrict IP addresses if needed for security purposes.

6. **Save Credential**

After configuring the necessary details, click Save. Your new credential is now ready to use.

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## Step 3: Testing the Domain and Credentials

Once everything is set up, it's crucial to test the new configuration to ensure it's working correctly.

1. **Send a Test Email**

If you've set up SMTP credentials, use a mail client (such as Outlook or Thunderbird) or an email-sending application to send a test email using the credentials you generated.

2. **Verify Email Delivery**

Check if the email is received in the inbox of the recipient. Also, check the headers of the received email to ensure that SPF and DKIM checks have passed.

3. **Test API (if using API)**

If using the API, send a test request through Transactional Mail Relay's API with the newly generated API key to ensure emails are being sent successfully.

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## Step 4: Monitoring and Managing Domains and Credentials

1. **View Domain Activity**

After the domain is active, you can monitor its email activity in the Transactional Mail Relay dashboard. You will be able to see sent, delivered, failed, and bounced emails.

2. **Manage Credentials**

You can create additional credentials if needed, or delete and modify existing ones under the Credentials section for the domain.

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## Troubleshooting Tips

- **DNS Issues:** Ensure that your DNS records are correctly configured and fully propagated. Use tools like [MXToolbox](#) to verify DNS settings.
  - **Email Not Sending:** Double-check your SMTP credentials or API key settings.
  - **Bounce Handling Issues:** Ensure the CNAME record for bounce handling is correctly set up.
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That's it! You have now successfully set up a new domain and credentials in Transactional Mail Relay. You can now use this domain to send emails through Transactional Mail Relay's platform with the credentials you've configured.