

# Testing Email Campaigns with Your Personal Email (Then Logout)

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## Goal

Use your personal Gmail temporarily for testing, then completely remove it from the system.

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## SAFE TESTING WORKFLOW

Step 1: Quick Gmail Setup (5 minutes)

### 1.1 Generate App Password (Safer than using real password)

#### 1. Go to Google Account

- Visit: <https://myaccount.google.com/security>
- Sign in with your Gmail

#### 2. Enable 2-Step Verification (if not already enabled)

- Click "2-Step Verification"
- Follow setup wizard
- This is REQUIRED for App Passwords

#### 3. Create App Password (This is temporary and can be revoked anytime)

- Go back to Security page
  - Scroll to "App passwords" section
  - Click "App passwords"
  - Select App: "Mail"
  - Select Device: "Other" → Type: "MakePlus Test"
  - Click "Generate"
  - **Copy the 16-character password** (example: `abcd efgh ijkl mnop`)
  - Keep this window open (you'll need it in Step 3)
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Step 2: Configure for Testing

### 2.1 Create/Edit .env File

Open or create `.env` file in `E:\makeplus\makeplus_backend\`:

```
# Temporary Gmail Configuration for Testing
EMAIL_HOST=smtp.gmail.com
EMAIL_PORT=587
EMAIL_USE_TLS=True
```

```
EMAIL_HOST_USER=your-email@gmail.com
EMAIL_HOST_PASSWORD=abcdefghijklmnop
DEFAULT_FROM_EMAIL=your-email@gmail.com
SITE_URL=http://127.0.0.1:8000

# Other settings (if not already present)
DEBUG=True
SECRET_KEY=your-secret-key-here
ALLOWED_HOSTS=localhost,127.0.0.1
```

### Replace:

- `your-email@gmail.com` → Your actual Gmail address
- `abcdefghijklmnop` → Your 16-char App Password (remove spaces)

## 2.2 Start Server

```
cd E:\makeplus\makeplus_backend\makeplus_api
..\venv\Scripts\python.exe manage.py runserver
```

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## Step 3: Test Campaign System (10 minutes)

### 3.1 Quick Test with Test Script

```
cd E:\makeplus\makeplus_backend
..\venv\Scripts\python.exe test_email_setup.py
```

#### What it will do:

1. Check your email configuration
2. Ask for test email (use your own email to receive test)
3. Send test email
4. Optionally test campaign creation

### 3.2 Manual Test via Django Shell

```
cd E:\makeplus\makeplus_backend\makeplus_api
..\venv\Scripts\python.exe manage.py shell
```

Then run:

```

from django.core.mail import send_mail

# Send test email to yourself
send_mail(
    subject='Test Email from MakePlus',
    message='Testing email delivery',
    from_email='your-email@gmail.com',
    recipient_list=['your-email@gmail.com'],
    fail_silently=False,
)

```

**Expected Result:** You'll see 1 (success) and receive email in your inbox

### 3.3 Test Full Campaign

```

from dashboard.models_email import EmailCampaign, EmailRecipient
from dashboard.utils_campaign import send_campaign_email

# Create test campaign
campaign = EmailCampaign.objects.create(
    name="Test Campaign",
    subject="Testing My Campaign System",
    body_html="""
<html>
  <body>
    <h1>Test Email</h1>
    <p>This is a test campaign.</p>
    <p><a href="https://google.com">Test Link</a></p>
  </body>
</html>
""",
    from_email="your-email@gmail.com",
    track_opens=True,
    track_clicks=True,
    status='draft'
)

# Add yourself as recipient
recipient = EmailRecipient.objects.create(
    campaign=campaign,
    email="your-email@gmail.com",
    name="Test User"
)

# Send it
send_campaign_email(recipient)

print(f"✅ Campaign sent! Check your email.")

```

```
print(f"Tracking URL:  
http://127.0.0.1:8000/track/email/open/{recipient.tracking_token}/")
```

### 3.4 Test Tracking

1. **Check your email inbox**
  2. **Open the test email** (this will track an "open")
  3. **Click the link** (this will track a "click")
  4. **View stats in admin:** <http://127.0.0.1:8000/admin/>
    - Go to "Email campaigns"
    - Click your test campaign
    - See open count and click count
  5. **View detailed stats:** <http://127.0.0.1:8000/dashboard/campaigns/1/stats/>
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### Step 4: Complete Testing Checklist

Test all features:

- ☐ Email sends successfully
  - ☐ Email received in inbox
  - ☐ Open tracking works (visit tracking URL)
  - ☐ Click tracking works (click links in email)
  - ☐ Stats show in admin panel
  - ☐ Detailed stats page works
  - ☐ All tabs show correct data
- 

### Step 5: LOGOUT & DISCONNECT (Important!)

#### 5.1 Revoke App Password in Gmail

1. **Go to Google Account**
  - Visit: <https://myaccount.google.com/security>
2. **Click "App passwords"**
3. **Find "MakePlus Test"** in the list
4. **Click the X or Remove button** next to it
5. **Confirm removal**

☒ **Your App Password is now revoked** - Django can no longer send emails using your Gmail

#### 5.2 Remove Email Credentials from .env

Open `.env` file and **comment out or delete** the email lines:

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```
# Email Configuration - REMOVED AFTER TESTING
# EMAIL_HOST=smtp.gmail.com
# EMAIL_PORT=587
# EMAIL_USE_TLS=True
# EMAIL_HOST_USER=your-email@gmail.com
# EMAIL_HOST_PASSWORD=abcdefghijklmnop
# DEFAULT_FROM_EMAIL=your-email@gmail.com

# Or set to console backend for testing
EMAIL_BACKEND=django.core.mail.backends.console.EmailBackend

SITE_URL=http://127.0.0.1:8000
```

**Alternative:** Use console backend (emails print to terminal instead):

```
# Email prints to console (no real sending)
EMAIL_BACKEND=django.core.mail.backends.console.EmailBackend
SITE_URL=http://127.0.0.1:8000
```

### 5.3 Clear Campaign Test Data (Optional)

If you want to remove test campaigns:

```
# In Django shell
from dashboard.models_email import EmailCampaign

# Delete all test campaigns
EmailCampaign.objects.filter(name__icontains="test").delete()

# Or delete all campaigns
EmailCampaign.objects.all().delete()
```

### 5.4 Restart Server

```
# Stop server (Ctrl+C in terminal)
# Start again
cd E:\makeplus\makeplus_backend\makeplus_api
..\env\Scripts\python.exe manage.py runserver
```

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## Step 6: Verify Disconnection

### 6.1 Test That Email No Longer Sends

```
cd E:\makeplus\makeplus_backend\makeplus_api
..\venv\Scripts\python.exe manage.py shell
```

```
from django.core.mail import send_mail

# This should fail or print to console
send_mail(
    'Test',
    'This should not send',
    'test@example.com',
    ['test@example.com'],
    fail_silently=False,
)
```

### Expected Results:

- If using console backend: Email prints to terminal (not actually sent)
- If credentials removed: Error occurs (this is good - means it can't send)

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## SECURITY BEST PRACTICES

### Why This Method is Safe:

1. ☒ **App Password** - Not your real Gmail password
  - Can be revoked anytime
  - Limited to email sending only
  - Doesn't give access to your account
2. ☒ **Temporary** - Easy to disconnect
  - Remove from .env file
  - Revoke in Google settings
  - No trace left
3. ☒ **Testing Only** - Not exposed
  - Only on your local machine
  - .env file should be in .gitignore
  - Never committed to repository

### Additional Security:

- ☐ Make sure **.env** is in **.gitignore**
- ☐ Never commit **.env** to git
- ☐ Delete test campaign data when done

- ☐ Revoke App Password when finished

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## RECOMMENDED: Switch to Professional Service Later

After testing with your personal email, switch to a professional service:

For Production:

- **Brevo (Sendinblue)**: 300 emails/day FREE forever
- **SendGrid**: 100 emails/day FREE forever
- No personal email needed
- Better deliverability
- Professional appearance

See [EMAIL\\_SETUP\\_GUIDE.md](#) for setup instructions.

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## QUICK REFERENCE

Testing Commands:

```
# Run test script
cd E:\makeplus\makeplus_backend
.\venv\Scripts\python.exe test_email_setup.py

# Django shell
cd E:\makeplus\makeplus_backend\makeplus_api
..\venv\Scripts\python.exe manage.py shell

# Start server
cd E:\makeplus\makeplus_backend\makeplus_api
..\venv\Scripts\python.exe manage.py runserver
```

Logout Steps:

1. Revoke App Password in Gmail: <https://myaccount.google.com/security>
2. Remove credentials from **.env** file
3. Restart Django server
4. Delete test data (optional)

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## TROUBLESHOOTING

"SMTPAuthenticationError" after revoking

☒ **This is expected!** It means disconnection worked.

Solution: Remove email config from **.env** or use console backend.

Emails still in inbox

☒ **This is normal** - Already sent emails stay in your inbox.

Solution: Just delete them manually if you want.

Test data still in database

☒ **This doesn't affect security** - Just campaign records, no email credentials.

Solution: Delete via admin panel or Django shell if desired.

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## SUMMARY

What You'll Do:

1. ☒ Generate temporary Gmail App Password (5 min)
2. ☒ Add to .env file (1 min)
3. ☒ Test campaign system (10 min)
4. ☒ Revoke App Password in Gmail (1 min)
5. ☒ Remove from .env (1 min)
6. ☒ Restart server (1 min)

What This Achieves:

- ☒ Full campaign testing
- ☒ Open/click tracking verified
- ☒ Stats system tested
- ☒ No security risk
- ☒ Easy to disconnect
- ☒ Ready for production service

Total Time:

**~20 minutes** for complete test + logout

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## AFTER TESTING

When ready for real campaigns:

1. Sign up for Brevo/SendGrid (10 min)
2. Get professional SMTP credentials
3. Update .env with new credentials
4. Send real campaigns with confidence!

**Status:** Ready to test safely! 