

# ✓ Email Production Configuration Complete

**Date:** November 30, 2025

**Domain:** genesisprovenance.com

**Deployment URL:** <https://genesisprovenance.abacusai.app>

## 🎯 Configuration Status

### ✓ All Environment Variables Configured

```
# Email Service (Resend)
RESEND_API_KEY=re_J3xzzw71_KVSunKT7toBpqFS8GGJkC8pV
EMAIL_FROM="Genesis Provenance <noreply@genesisprovenance.com>"

# NextAuth Configuration
NEXTAUTH_URL="https://genesisprovenance.abacusai.app"

# Database (Already Configured)
DATABASE_URL="postgresql://..." ✓
NEXTAUTH_SECRET="..." ✓

# AWS S3 (Already Configured)
AWS_PROFILE=hosted_storage ✓
AWS_REGION=us-west-2 ✓
AWS_BUCKET_NAME=abacusai-apps-06949fb7e88e6d5437bb0b3b-us-west-2 ✓
AWS_FOLDER_PREFIX=13062/ ✓
```

## ✉️ Email Configuration Summary

Configuration	Value	Status
API Key	re_J3xzzw71_...	✓ Set
From Address	noreply@genesisprovenance.com	✓ Configured
Domain	genesisprovenance.com	⌚ DNS Pending
NextAuth URL	genesisprovenance.abacusai.app	✓ Configured



## Next Steps: DNS Configuration

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### **CRITICAL: You must add DNS records to activate email sending**

Your environment variables are configured correctly, but emails **will not send** until DNS records are verified in Resend.

### **Quick Start (5 minutes)**

#### **1. Login to Resend**

- URL: <https://resend.com/login>
- Use your Resend account credentials

#### **2. Add Domain**

- Navigate to: **Domains** → **+ Add Domain**
- Enter: `genesisprovenance.com`
- Region: **US East (us-east-1)**
- Click: **Add**

#### **3. Copy DNS Records**

- Resend will display **3 DNS records**:

- SPF (TXT record)
- DKIM (TXT record)
- Return-Path (CNAME record)
- Keep this page open

#### **4. Add to GoDaddy DNS**

- Login: <https://www.godaddy.com>
- Navigate: **My Products** → **genesisprovenance.com** → **DNS**
- Add all 3 records from Resend
- See detailed instructions below

#### **5. Wait for Verification**

- DNS propagation: **15-30 minutes**
- Return to Resend Dashboard
- Click: **Verify Records or Check Status**
- Wait for **green checkmarks**  on all 3 records

#### **6. Test Email**

- Login: <https://genesisprovenance.abacusai.app>
- Go to: **Team** page
- Click: **Invite Team Member**
- Enter your personal email
- Click: **Send Invitation**
- Check inbox (and spam folder)



## **Detailed DNS Setup Instructions**

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### **Step 1: Get DNS Records from Resend**

After adding your domain in Resend, you'll see 3 records:

## 1. SPF Record (TXT)

```
Type: TXT
Name: @ (or leave blank for root domain)
Value: v=spf1 include:resend.com ~all
TTL: 3600
```

## 2. DKIM Record (TXT)

```
Type: TXT
Name: resend._domainkey
Value: k=rsa; p=MIGfMA0GC... (long key from Resend)
TTL: 3600
```

## 3. Return-Path (CNAME)

```
Type: CNAME
Name: resend
Value: feedback.resend.com
TTL: 3600
```

## Step 2: Add Records to GoDaddy

### A. Login to GoDaddy

1. Go to: <https://www.godaddy.com>
2. Click: **Sign In**
3. Enter your credentials

### B. Navigate to DNS Management

1. Click: **My Products** (top menu)
2. Find: **genesisprovenance.com**
3. Click: **DNS** button

### C. Add SPF Record

1. Scroll to: **Records** section
2. Click: **Add** button
3. Fill in:
  - **Type:** TXT
  - **Name:** @ (or leave blank)
  - **Value:** v=spf1 include:resend.com ~all
  - **TTL:** 3600 (or 1 Hour)
4. Click: **Save**

### D. Add DKIM Record

1. Click: **Add** button
2. Fill in:
  - **Type:** TXT
  - **Name:** resend.\_domainkey
  - **Value:** [Copy the long key from Resend]
  - **TTL:** 3600
3. Click: **Save**

## E. Add Return-Path CNAME

1. Click: **Add** button
  2. Fill in:
    - **Type:** CNAME
    - **Name:** resend
    - **Value:** feedback.resend.com
    - **TTL:** 3600
  3. Click: **Save**
- 

## Verification Commands

### After Adding DNS Records (wait 15-30 min)

#### Check SPF Record

```
dig TXT genesisprovenance.com | grep spf1
```

#### Check DKIM Record

```
dig TXT resend._domainkey.genesisprovenance.com
```

#### Check CNAME Record

```
dig CNAME resend.genesisprovenance.com
```

## Online Verification Tools

- **DNS Checker:** <https://dnschecker.org/>
  - **MXToolbox:** <https://mxtoolbox.com/SuperTool.aspx>
  - **What's My DNS:** <https://whatsmydns.net/>
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## Email Testing Checklist

### Once DNS is Verified in Resend

- [ ]  All 3 DNS records show **green checkmarks** in Resend
- [ ]  Domain status in Resend is “**Verified**” (not “Pending”)
- [ ]  Login to Genesis Provenance app
- [ ]  Navigate to **Team** page ( /team )
- [ ]  Click “**Invite Team Member**”
- [ ]  Enter your personal email address
- [ ]  Select role: **Editor** or **Viewer**
- [ ]  Click “**Send Invitation**”
- [ ]  Check email inbox (and spam folder)
- [ ]  Verify email **From:** “Genesis Provenance [noreply@genesisprovenance.com](mailto:noreply@genesisprovenance.com)”

- [ ]  Email has **blue branded header** with logo
  - [ ]  Email has “**Accept Invitation**” button
  - [ ]  Click button and verify redirect to acceptance page
  - [ ]  Accept invitation and verify team member is added
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## Code Verification

### All Email References Updated

File	Email Address	Status
.env	noreply@genesisprovenance.com	<input checked="" type="checkbox"/> Configured
lib/email.ts	Default fallback uses .env	<input checked="" type="checkbox"/> Correct
scripts/seed.ts	Demo users: @genesisprovenance.com	<input checked="" type="checkbox"/> Demo data
contact/page.tsx	contact@genesisprovenance.com	<input checked="" type="checkbox"/> Display only
pricing/page.tsx	sales@genesisprovenance.com	<input checked="" type="checkbox"/> Display only

### No Hardcoded Email Addresses Found

All email sending uses the `EMAIL_FROM` environment variable, ensuring consistency and easy updates.

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## Current Configuration Status

### Completed

- Resend API key configured
- `EMAIL_FROM` set to `genesisprovenance.com`
- `NEXTAUTH_URL` set to production URL
- All environment variables validated
- Code references verified
- Email template ready (branded HTML)

### Pending (Your Action Required)

-  Add domain to Resend dashboard
-  Copy 3 DNS records from Resend
-  Add DNS records to GoDaddy
-  Wait 15-30 min for DNS propagation
-  Verify domain in Resend
-  Send test invitation email

## Expected Behavior After DNS Setup

### When a Team Invitation is Sent:

1. **Immediate:** Toast notification “Invitation sent successfully!”
2. **Within 1 min:** Email arrives in recipient’s inbox
3. **Email Content:**
  - **From:** Genesis Provenance [noreply@genesisprovenance.com](mailto:noreply@genesisprovenance.com)
  - **Subject:** “You’ve been invited to join [Org Name] on Genesis Provenance”
  - **Header:** Blue branded banner with logo
  - **Body:** Personalized invitation with:
    - Inviter’s name
    - Organization name
    - Assigned role (Editor, Viewer, Admin, Owner)
    - Expiration date (7 days)
    - Large blue “Accept Invitation” button
    - **Footer:** Genesis Provenance branding
4. **Click Button:** Redirects to `/team/accept/[token]`
5. **Accept:** User is added to organization
6. **Dashboard:** Shows team member in Team page

## Troubleshooting

### Issue: “Domain not verified” Error

**Symptoms:** Emails not sending, Resend shows “Pending” status

#### Solutions:

1. Wait full 30 minutes for DNS propagation
2. Use `dig` commands to verify DNS records are live
3. Double-check record names (exact match required)
4. Verify no extra spaces in TXT record values
5. Contact GoDaddy support if records not appearing

### Issue: Emails Go to Spam

**Symptoms:** Email arrives but in spam folder

#### Solutions:

1. Ensure all 3 DNS records are verified (not just added)
2. Ask recipient to mark as “Not Spam”
3. Send a few test emails to warm up domain reputation
4. Wait 24-48 hours for reputation to build
5. Check Resend dashboard for bounce/complaint rates

### Issue: “RESEND\_API\_KEY is not set” Error

**Symptoms:** Console error when sending email

### Solutions:

1. Restart development server ( `yarn dev` )
  2. Verify `.env` file is in correct location: `nextjs_space/.env`
  3. Check no typos in API key
  4. Ensure no extra quotes or spaces
  5. Redeploy app if in production
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## Documentation References

Document	Purpose
<code>RESEND_EMAIL_SETUP_GUIDE.md</code>	Complete 10-step setup guide
<code>TEAM_INVITATIONS_COMPLETE.md</code>	Feature documentation
<code>EMAIL_PRODUCTION_CONFIG_COMPLETE.md</code>	This document
<code>lib/email.ts</code>	Email service implementation
<code>app/api/team/invite/route.ts</code>	Invitation API endpoint

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## What You Get After Setup

### Professional Email System

- Branded emails from `noreply@genesisprovenance.com`
- Beautiful HTML templates with logo and styling
- Secure token-based invitation links
- 7-day expiration for invitations
- Role-based access control
- Automatic audit logging
- 95%+ inbox delivery rate
- 3,000 free emails/month

### Team Collaboration

- Invite unlimited team members
  - 4 role types: Owner, Admin, Editor, Viewer
  - Email-based onboarding
  - Pending invitation management
  - One-click acceptance
  - Automatic organization linking
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 **Pro Tips**


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**For Fastest DNS Propagation:**

- Add all 3 records at once (don't wait between them)
- Use exact record names from Resend (copy-paste)
- Use TTL of 3600 (1 hour) as recommended
- Wait full 30 minutes before checking verification

**For Best Email Deliverability:**

- Send first few emails to known good addresses
- Ask recipients to reply or mark as "Not Spam"
- Monitor Resend dashboard for delivery stats
- Keep bounce rate below 5%
- Keep complaint rate below 0.1%

**For Production Deployment:**

- Ensure `.env` is not committed to Git (it's in `.gitignore`)
  - Set same environment variables in deployment platform
  - Test email sending in staging before production
  - Monitor Resend dashboard for first 24 hours
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 **Final Checklist**
**Before Going Live:**

- [x]  RESEND\_API\_KEY configured
  - [x]  EMAIL\_FROM uses genesisprovenance.com
  - [x]  NEXTAUTH\_URL set to production URL
  - [x]  All code references verified
  - [ ]  Domain added to Resend
  - [ ]  DNS records added to GoDaddy
  - [ ]  DNS records verified in Resend
  - [ ]  Test email sent successfully
  - [ ]  Invitation acceptance flow tested
  - [ ]  Team member appears in Team page
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 **Support Resources**
**Resend Support**

- **Email:** support@resend.com
- **Docs:** <https://resend.com/docs>
- **Dashboard:** <https://resend.com/dashboard>
- **Status:** <https://status.resend.com/>

## DNS Support

- **GoDaddy:** <https://www.godaddy.com/help>
- **DNS Checker:** <https://dnschecker.org/>
- **MXToolbox:** <https://mxtoolbox.com/>

## Genesis Provenance

- **Team Page:** <https://genesisprovenance.abacusai.app/team>
  - **Dashboard:** <https://genesisprovenance.abacusai.app/dashboard>
  - **Test Account:** john@doe.com / johndoe123
- 



## Summary

Your Genesis Provenance email configuration is complete!

- All environment variables are set correctly
- Email system is ready to send
- Production URL is configured
- DNS setup is the only remaining step

**Estimated Time to Complete:** 30-45 minutes

- 5 min: Add domain to Resend
- 5 min: Add DNS records to GoDaddy
- 20-30 min: Wait for DNS propagation
- 5 min: Test and verify

**Once DNS is verified, you can immediately start inviting team members to your Genesis Provenance platform!**

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**Generated:** November 30, 2025

**Last Updated:** November 30, 2025

**Status:** Configuration Complete, DNS Pending