



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

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

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/>
-

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"

- [] ☒ 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

Code Verification

All Email References Updated

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

Current Configuration Status

☒ Completed

1. ☒ Resend API key configured
2. ☒ `EMAIL_FROM` set to `genesisprovenance.com`
3. ☒ `NEXTAUTH_URL` set to production URL
4. ☒ All environment variables validated
5. ☒ Code references verified
6. ☒ Email template ready (branded HTML)

Pending (Your Action Required)

1.  Add domain to Resend dashboard
2.  Copy 3 DNS records from Resend
3.  Add DNS records to GoDaddy
4.  Wait 15-30 min for DNS propagation
5.  Verify domain in Resend
6.  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
 - **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



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



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



Pro Tips

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
-



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
-



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!

Generated: November 30, 2025

Last Updated: November 30, 2025

Status: Configuration Complete, DNS Pending