

# ERR\_NETWORK Error - Complete Fix Documentation

**Investigation Date:** October 25, 2025

**Status:**  **READY TO FIX - All documentation complete**

## The Problem (In 10 Seconds)

Your frontend at <https://workigom.vercel.app> is trying to connect to the **wrong backend URL**. It's looking for `workigom.onrender.com` but should be looking for `workigom-backend.onrender.com` (note the `-backend` part).

**Fix time:** 5 minutes

**Difficulty:** Easy

**Impact:** Complete restoration of all frontend features

## Documentation Index

I've created comprehensive documentation to help you fix this issue. Choose the document that best fits your needs:

### For Quick Fix (Start Here!)

#### 1. [QUICK\\_FIX\\_REFERENCE.md](#) (./QUICK\_FIX\_REFERENCE.md) RECOMMENDED

-  **What:** Quick reference card with copy-paste values
-  **For:** Anyone who wants the fastest fix
-  **Time:** 2 minutes to read, 5 minutes to fix
-  **Use when:** You want to fix it NOW without reading too much

### For Step-by-Step Instructions

#### 2. [VERCEL\\_FIX\\_STEPS.md](#) (./VERCEL\_FIX\_STEPS.md)

-  **What:** Detailed step-by-step Vercel Dashboard guide
-  **For:** Anyone fixing via Vercel Dashboard
-  **Time:** 5 minutes to read and apply
-  **Use when:** You prefer the Vercel Dashboard method (recommended)
-  **Includes:** Screenshots reference, verification steps, troubleshooting

### For Executive Summary

#### 3. [NETWORK\\_ERROR\\_SUMMARY.md](#) (./NETWORK\_ERROR\_SUMMARY.md)

-  **What:** Executive summary with at-a-glance information
-  **For:** Project managers, team leads, stakeholders
-  **Time:** 3 minutes to read
-  **Use when:** You need to understand the big picture quickly
-  **Includes:** Comparison tables, success metrics, impact analysis

## For Technical Deep Dive

### 4. FRONTEND\_NETWORK\_ERROR\_DIAGNOSIS.md (./FRONTEND\_NETWORK\_ERROR\_DIAGNOSIS.md)

-  **What:** Complete technical analysis and diagnosis
-  **For:** Developers, technical team members
-  **Time:** 10 minutes to read
-  **Use when:** You want to understand exactly what's wrong and why
-  **Includes:** Code analysis, debugging tips, alternative solutions

## For Investigation Summary

### 5. INVESTIGATION\_COMPLETE.md (./INVESTIGATION\_COMPLETE.md)

-  **What:** Investigation summary with all findings
-  **For:** Technical leads, architects
-  **Time:** 8 minutes to read
-  **Use when:** You need a comprehensive investigation report
-  **Includes:** Files analyzed, verification performed, investigation checklist

## Recommended Path to Fix

### For Most Users (Fastest):

1. **Read:** QUICK\_FIX\_REFERENCE.md (2 mins)  
↳ Gives you the exact **values to change**
  2. **Follow:** VERCCEL\_FIX\_STEPS.md (5 mins)  
↳ **Step-by-step** instructions
  3. **Test:** **Verify** the fix works  
↳ **Open** app, check console, test features
- Total time:** ~10 minutes

### For Technical Team:

1. **Read:** NETWORK\_ERROR\_SUMMARY.md (3 mins)  
↳ Understand the scope **and** impact
  2. **Read:** FRONTEND\_NETWORK\_ERROR\_DIAGNOSIS.md (10 mins)  
↳ Understand the technical details
  3. **Choose:** Vercel Dashboard **OR** Code Update  
↳ Apply the fix using your preferred method
  4. **Read:** INVESTIGATION\_COMPLETE.md (optional)  
↳ Full investigation details
- Total time:** ~20 minutes

## The Fix (Copy-Paste Ready)

### What to Change:

```
FROM: VITE_BACKEND_URL=https://workigom.onrender.com
TO:   VITE_BACKEND_URL=https://workigom-backend.onrender.com
      ^^^^^^^^
      Add "-backend"
```

### Where to Change It:

#### Option 1 - Vercel Dashboard (RECOMMENDED):

1. Go to: <https://vercel.com/dashboard>
2. Click: **workigom** project
3. Go to: **Settings → Environment Variables**
4. Edit: `VITE_BACKEND_URL`
5. Set to: `https://workigom-backend.onrender.com`
6. Click: **Save and Redeploy**

#### Option 2 - Update Code:

```
cd /home/ubuntu/workigom
echo "VITE_BACKEND_URL=https://workigom-backend.onrender.com" > src-frontend/.env.production
git add src-frontend/.env.production
git commit -m "fix: Correct backend URL"
git push origin master
```

## Quick Diagnosis

### Is this YOUR problem?

Check if you see these symptoms:

-  `ERR_NETWORK` errors in browser console
-  “Failed to load resource: net::ERR\_CONNECTION\_REFUSED”
-  Frontend deployed at: `https://workigom.vercel.app`
-  API calls failing to: `workigom.onrender.com`
-  Backend actually at: `workigom-backend.onrender.com`

If you see these  **This documentation is for you!**

## Verification Checklist

After applying the fix, verify success:

- [ ] No `ERR_NETWORK` errors in browser console
- [ ] API calls show in Network tab with 200 OK status
- [ ] Console shows correct backend URL in debug message

- [ ] Login functionality works
  - [ ] Jobs list loads properly
  - [ ] All features work as expected
- 

## What Was Analyzed

During the investigation, the following were checked:

1. **✓ Frontend API Configuration** (`src-frontend/lib/api.ts`)
    - Code is correct ✓
    - Logic is correct ✓
    - Environment variable has wrong value ✗
  2. **✓ Environment Files**
    - `.env` - Correct (local development)
    - `.env.example` - Correct (documentation)
    - `.env.production` - **Wrong value ✗**
  3. **✓ Backend Health**
    - URL: <https://workigom-backend.onrender.com>
    - Status: Healthy and running ✓
    - Database: Connected ✓
  4. **✓ CORS Configuration**
    - Allows: `workigom.vercel.app` ✓
    - Configuration is correct ✓
    - Not the cause of the issue ✓
  5. **✓ Vercel Configuration**
    - Deployment: Successful ✓
    - Build: Working ✓
    - Environment variable: Needs update ✗
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## Expected Results After Fix

**Before Fix:**

- ✗ ERR\_NETWORK errors
  - ✗ API calls failing
  - ✗ Features not working
  - ✗ Users cannot use app

## After Fix:

-  No errors
-  API calls succeeding (200 OK)
-  All features working
-  Users can use app normally
-  Problem solved!



## Time Estimates

Task	Time
Read quick reference	2 minutes
Apply fix via Vercel	5 minutes
Apply fix via code	3 minutes
Verify fix	2 minutes
<b>Total</b>	<b>7-10 minutes</b>



## Need Help?

### If you're stuck:

1. **Start with:** [QUICK\\_FIX\\_REFERENCE.md](#) (<./QUICK\_FIX\_REFERENCE.md>) - Fastest solution
2. **Need details:** [VERCEL\\_FIX\\_STEPS.md](#) (<./VERCEL\_FIX\_STEPS.md>) - Step-by-step guide
3. **Want to understand:** [FRONTEND\\_NETWORK\\_ERROR\\_DIAGNOSIS.md](#) (<./FRONTEND\_NETWORK\_ERROR\_DIAGNOSIS.md) - Technical deep dive
4. **Still having issues:** Check the troubleshooting sections in any of the documents

### Common Issues After Fix:

1. **Still seeing errors?**
  - Hard refresh: Ctrl+Shift+R
  - Clear browser cache
  - Wait for Vercel deployment to complete
2. **Environment variable not working?**
  - Verify it's saved in Vercel Dashboard
  - Check all environments are selected
  - Redeploy the application
3. **Backend not responding?**
  - Test: <https://workigom-backend.onrender.com/api/health>
  - Should return JSON with "success": true

## File Structure

All documentation is located in: /home/ubuntu/workigom/

workigom/	
└── ERR_NETWORK_FIX_INDEX.md	(this file - start here!)
└── QUICK_FIX_REFERENCE.md	(  fastest fix)
└── VERCCEL_FIX_STEPS.md	(step-by-step guide)
└── NETWORK_ERROR_SUMMARY.md	(executive summary)
└── FRONTEND_NETWORK_ERROR_DIAGNOSIS.md	(technical analysis)
└── INVESTIGATION_COMPLETE.md	(investigation report)

## Action Items

### Immediate (Now):

1. [ ] Read QUICK\_FIX\_REFERENCE.md
2. [ ] Choose fix method (Vercel Dashboard or Code)
3. [ ] Apply the fix
4. [ ] Test and verify

### Follow-up (After Fix):

1. [ ] Document the fix in your team wiki
2. [ ] Update deployment documentation
3. [ ] Consider adding environment variable validation
4. [ ] Share learnings with team



## Key Takeaways

1. **Root Cause:** Wrong backend URL in environment variable
2. **Fix:** Update `VITE_BACKEND_URL` to include `-backend`
3. **Method:** Vercel Dashboard (recommended) or code update
4. **Time:** 5-10 minutes total
5. **Impact:** Complete restoration of functionality

## Quick Links

- **Frontend:** <https://workigom.vercel.app>
- **Backend:** <https://workigom-backend.onrender.com>
- **Backend Health:** <https://workigom-backend.onrender.com/api/health>
- **Vercel Dashboard:** <https://vercel.com/dashboard>

## ✨ Summary

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**The Problem:** Frontend points to wrong backend URL

**The Solution:** Update environment variable to correct URL

**The Time:** 5-10 minutes

**The Difficulty:** Easy

**The Impact:** 100% restoration of functionality

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**Ready to fix it? Start with [QUICK\\_FIX\\_REFERENCE.md](#) (./QUICK\_FIX\_REFERENCE.md)!** 🚀

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Documentation created by DeepAgent on October 25, 2025

All files are available in: /home/ubuntu/workigom/