



Deploy Updated Optimizer - Complete Guide








What's Ready

The optimizer code has been updated with the correct Amazon Profile ID (1780498399290938) and committed locally:

```
Commit: 5292144
Message: Update profile ID to 1780498399290938 (US Seller)
Branch: main
Status: Ready to push
```

Files Updated:

-  config.json - Profile ID updated
-  .env.template - Environment variable template updated
-  main.py - Profile ID support added
-  optimizer_profile_id_helper.py - Helper module created
-  PROFILE_ID_UPDATE.md - Documentation added



STEP 1: Push Changes to GitHub

Option A: Using GitHub Personal Access Token (Recommended)

1. Create a GitHub Personal Access Token (if you don't have one):

- Go to: <https://github.com/settings/tokens>
- Click "Generate new token (classic)"
- Name it: "Amazon PPC Optimizer"
- Select scope: **repo** (full control)
- Click "Generate token"
- **Copy the token** (you won't see it again!)

2. Push the changes:

```
```bash
cd /path/to/amazon-ppc-optimizer
```

```
Replace YOUR_TOKEN with your actual token
```

```
git push https://YOUR_TOKEN@github.com/natureswaysoil/Amazon-PPC.git main
```

```
```
```

Option B: Using SSH (If SSH Keys Configured)

```
cd /path/to/amazon-ppc-optimizer

# Update remote to SSH
git remote set-url origin git@github.com:natureswaysoil/Amazom-PPC.git

# Push
git push origin main
```

Option C: Using GitHub Web Interface

If you can't push from command line:

1. Download the changed files from `/home/ubuntu/amazon-ppc-optimizer/` :
 - `config.json`
 - `.env.template`
 - `main.py`
 - `optimizer_profile_id_helper.py`
 - `PROFILE_ID_UPDATE.md`
2. Go to: <https://github.com/natureswaysoil/Amazom-PPC>
3. Navigate to each file and click "Edit"
4. Replace the content with the updated version
5. Commit each change



STEP 2: Redeploy to Google Cloud Functions

Prerequisites Check

Make sure you have:

- ☒ Google Cloud CLI (`gcloud`) installed
- ☒ Authenticated to Google Cloud: `gcloud auth login`
- ☒ Project set: `gcloud config set project amazon-ppc-474902`

Quick Redeploy

1. **Pull the latest changes:**

```
bash
cd /path/to/amazon-ppc-optimizer
git pull origin main
```

2. **Run the redeploy script:**

```
bash
./redeploy.sh
```

This will:

- Pull latest code from GitHub
- Deploy to Google Cloud Function with updated profile ID

- Configure all secrets from Secret Manager
- Set up the function with proper timeout and memory

1. **Wait for deployment** (usually 2-3 minutes)

STEP 3: Verify the Deployment

Test the Optimizer Function

```
# Get the function URL
FUNCTION_URL=$(gcloud functions describe amazon-ppc-optimizer \
  --region=us-central1 \
  --gen2 \
  --format='value(serviceConfig.uri)' \
  --project=amazon-ppc-474902)

# Test health endpoint
curl -s -H "Authorization: Bearer $(gcloud auth print-identity-token)" \
  "${FUNCTION_URL}?health=true"
```

Expected response:

```
{
  "status": "healthy",
  "profile_id": "1780498399290938",
  "timestamp": "2024-11-12T..."
}
```





Trigger a Test Run

```
# Trigger optimizer (dry run mode)
curl -s -H "Authorization: Bearer $(gcloud auth print-identity-token)" \
  -X POST "${FUNCTION_URL}" \
  -H "Content-Type: application/json" \
  -d '{"dry_run": true}'
```

Check Cloud Function Logs

```
gcloud functions logs read amazon-ppc-optimizer \
  --region=us-central1 \
  --limit=50 \
  --project=amazon-ppc-474902
```

Look for:

-  "Using profile ID: 1780498399290938"
 -  "Retrieved campaigns: X"
 -  "Optimization complete"
 -  No "Using placeholder profile_id" errors
-



STEP 4: Verify Data in BigQuery

After the optimizer runs (wait ~10 minutes for Cloud Scheduler or trigger manually):

```
# Check recent optimization results
bq query --use_legacy_sql=false \
--project_id=amazon-ppc-474902 \
"SELECT
  run_date,
  profile_id,
  status,
  bids_increased,
  campaigns_analyzed
FROM `amazon-ppc-474902.amazon_ppc.optimization_results`
WHERE profile_id = '1780498399290938'
ORDER BY run_date DESC
LIMIT 5"
```

Check Campaign Performance Data

```
bq query --use_legacy_sql=false \
--project_id=amazon-ppc-474902 \
"SELECT
  campaign_id,
  campaign_name,
  date,
  impressions,
  clicks,
  cost,
  sales,
  acos
FROM `amazon-ppc-474902.amazon_ppc.campaign_performance`
WHERE profile_id = '1780498399290938'
ORDER BY date DESC
LIMIT 10"
```



STEP 5: Check Dashboard

1. **Open your dashboard:** <https://amazon-ppc-dashboard-qb63yk.abacusai.app>
2. **Navigate to:**
 - **Overview** - Should show real metrics (not zero)
 - **Campaigns** - Should list actual campaigns
 - **Analytics** - Should show spend/sales trends
 - **Performance** - Should show optimization actions
3. **Verify financial metrics:**
 - Total Spend: Should show actual dollar amounts
 - Total Sales: Should show revenue data
 - ACOS: Should show percentage (not "--")
 - ROAS: Should show return metrics

STEP 6: Monitor Scheduled Runs

The optimizer runs automatically via Cloud Scheduler:

```
# Check scheduler status
gcloud scheduler jobs describe amazon-ppc-optimizer-daily \
  --location=us-central1 \
  --project=amazon-ppc-474902
```

Default Schedule: Daily at 6:00 AM UTC (adjust as needed)

To trigger manually:

```
gcloud scheduler jobs run amazon-ppc-optimizer-daily \
  --location=us-central1 \
  --project=amazon-ppc-474902
```

Troubleshooting

Issue: “Profile ID still showing as placeholder”

Solution: Check Secret Manager

```
gcloud secrets versions access latest \
  --secret=ppc-profile-id \
  --project=amazon-ppc-474902
```

Should show: 1780498399290938

If not, update it:

```
echo -n "1780498399290938" | \
  gcloud secrets versions add ppc-profile-id \
  --data-file=- \
  --project=amazon-ppc-474902
```

Issue: “No data in BigQuery”

Check:

1. Function logs for errors: `gcloud functions logs read amazon-ppc-optimizer`
2. Amazon API credentials are valid
3. Refresh token hasn't expired

Issue: “Function deployment fails”

Check:

1. You have proper IAM permissions
2. All secrets exist in Secret Manager
3. Billing is enabled for the project

Deployment Checklist

Use this checklist to track your progress:

- ☐ **Step 1:** Pushed changes to GitHub
 - ☐ **Step 2:** Ran `./redploy.sh` successfully
 - ☐ **Step 3:** Verified health endpoint returns `profile_id`
 - ☐ **Step 4:** Checked BigQuery has new data with correct `profile_id`
 - ☐ **Step 5:** Dashboard shows real financial metrics
 - ☐ **Step 6:** Cloud Scheduler is running on schedule
-

Success Indicators

You'll know it worked when:

- ✓ **GitHub:** Commit `5292144` visible on main branch
 - ✓ **Cloud Function:** Health check returns `profile_id 1780498399290938`
 - ✓ **BigQuery:** New rows with `profile_id = '1780498399290938'`
 - ✓ **Dashboard:** Real spend, sales, and ACOS data (not zeros)
 - ✓ **Logs:** No "placeholder `profile_id`" warnings
-

Need Help?

Repository: <https://github.com/natureswaysoil/Amazon-PPC>

BigQuery Console: <https://console.cloud.google.com/bigquery?project=amazon-ppc-474902>

Cloud Functions: <https://console.cloud.google.com/functions/list?project=amazon-ppc-474902>

Dashboard: <https://amazon-ppc-dashboard-qb63yk.abacusai.app>

Created: November 12, 2024

Profile ID: 1780498399290938 (US Seller)

Status: Ready for deployment ✓