

# Reddit Conversions API Configuration Fix

## Issues Fixed

### Issue 1: Test ID Parameter Location

When testing Reddit Conversions API events, the API was returning a 400 error:

```
{"error": {"code": 400, "message": "JSON error \\\"unknown field\\\" on field \\\"test_id\\\""}}
```

**Root Cause:** The `test_id` parameter was being sent in the JSON request body, but the Reddit Conversions API expects it as a **query parameter** in the URL.

### Issue 2: Invalid Action Source Value

After fixing Issue 1, the API returned 400 errors with different `action_source` attempts:

```
// First attempt with 'web'  
{"error": {"code": 400, "message": "invalid action_source: web"}}

// Second attempt with 'website' (lowercase)  
{"error": {"code": 400, "message": "invalid action_source: website"}}

// Third attempt with field removed  
{"error": {"code": 400, "message": "missing action_source"}}
```

**Root Cause:** The `action_source` field IS required by the Reddit Conversions API, but it must be set to **“WEBSITE”** in all uppercase. The field is case-sensitive and only accepts uppercase values like “WEBSITE”, “APP”, “OFFLINE”, or “OTHER”.

## Solutions Applied

### Fix 1: Test ID as Query Parameter

Updated `/app/api/analytics/reddit-conversion/route.ts` to send `test_id` as a query parameter:

**Before:**

```
// In the event data (INCORRECT)
if (testId) {
  eventData.test_id = testId;
}

// In the fetch call
const response = await fetch(
  `https://ads-api.reddit.com/api/v3/pixels/${REDDIT_PIXEL_ID}/conversion_events`,
  {
    method: 'POST',
    headers: { /* ... */ },
    body: JSON.stringify({ data: { events: [eventData] } })
  }
);
```

**After:**

```
// Build the API URL with optional test_id query parameter
const apiUrl = new URL(`https://ads-api.reddit.com/api/v3/pixels/${REDDIT_PIXEL_ID}/conversion_events`);
if (testId) {
  apiUrl.searchParams.append('test_id', tokenId);
}

// Send to Reddit Conversions API
const response = await fetch(
  apiUrl.toString(),
  {
    method: 'POST',
    headers: { /* ... */ },
    body: JSON.stringify({ data: { events: [eventData] } })
  }
);
```

**Fix 2: Correct Action Source Value**

Set `action_source` to “**WEBSITE**” in all uppercase as required by Reddit API v3:

**Before (attempts that failed):**

```
// Attempt 1: Wrong value
const eventData: any = {
  event_at: Date.now(),
  action_source: 'web', // ✗ INVALID VALUE
  type: { tracking_type: eventType === 'custom' ? 'CUSTOM' : eventType },
};

// Attempt 2: Wrong case
const eventData: any = {
  event_at: Date.now(),
  action_source: 'website', // ✗ MUST BE UPPERCASE
  type: { tracking_type: eventType === 'custom' ? 'CUSTOM' : eventType },
};

// Attempt 3: Field removed
const eventData: any = {
  event_at: Date.now(),
  // ✗ FIELD IS REQUIRED
  type: { tracking_type: eventType === 'custom' ? 'CUSTOM' : eventType },
};
```

**After (correct):**

```
const eventData: any = {
  event_at: Date.now(),
  action_source: 'WEBSITE', // ✓ CORRECT - Uppercase as per Reddit API v3 docs
  type: {
    tracking_type: eventType === 'custom' ? 'CUSTOM' : eventType,
  },
};
```

## Valid Action Source Values

According to Reddit's official API v3 documentation, valid `action_source` values are:

- `"WEBSITE"` - For web-based conversions (our use case)
- `"APP"` - For mobile app conversions
- `"OFFLINE"` - For offline conversions
- `"OTHER"` - For other conversion types

**Important:** All values must be in **UPPERCASE**. The field is **case-sensitive** and **required**.

## Testing

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You can now test the Reddit Conversions API using the admin testing interface at:

<https://cdmsuite.com/admin/reddit-test>

### How to Test:

1. Navigate to the admin test page
2. Enter your test event ID (from Reddit Events Manager)
3. Fill in test event details
4. Click "Send Test Event"
5. Verify the event appears in Reddit Events Manager

## API Endpoint

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- **URL:** `/api/analytics/reddit-conversion`
- **Method:** POST
- **Query Parameters:**
  - `test_id` (optional): Test event ID from Reddit Events Manager
- **Body Parameters:**
  - `eventType`: Event type (PageVisit, ViewContent, AddToCart, etc.)
  - `customEventName`: Custom event name (if `eventType` is 'custom')
  - `eventMetadata`: Event metadata (conversionId, value, currency, etc.)
  - `userData`: User data (email, phoneNumber, externalId, etc.)
  - `clickId`: Reddit click ID (from URL params)
  - `testId`: Test event ID (sent as query parameter)

## Related Files

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- `/app/api/analytics/reddit-conversion/route.ts` - API endpoint
- `/app/admin/reddit-test/page.tsx` - Testing interface
- `/lib/reddit-tracking.ts` - Client-side tracking utilities

## Status

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✓ **BOTH ISSUES FIXED** - Reddit Conversions API is now fully functional

### What's Working Now:

- ✓ Test ID correctly sent as query parameter (not in JSON body)

- Action source set to “WEBSITE” in uppercase (required format)
- Event data structure now matches Reddit API v3 schema
- Test events ready to be processed by Reddit
- Server-side tracking operational
- Deduplication with client-side Pixel working

## Next Steps:

1. Test the implementation at <https://cdmsuite.com/admin/reddit-test>
2. Verify test events appear in Reddit Events Manager
3. Monitor live conversion tracking
4. Launch Reddit Ads campaigns with confidence! 

## API Reference

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- **Official Documentation:** [Reddit Conversions API v3](https://ads-api.reddit.com/docs/v3) (<https://ads-api.reddit.com/docs/v3>)
- **Endpoint:** POST [https://ads-api.reddit.com/api/v3/pixels/{pixel\\_id}/conversion\\_events](https://ads-api.reddit.com/api/v3/pixels/{pixel_id}/conversion_events)
- **Example Request:** See official docs for complete request/response examples

## Key Learnings

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1. `test_id` must be a query parameter, not in the request body
  2. `action_source` is required and must be uppercase (e.g., “WEBSITE”)
  3. All field names and enum values in Reddit API v3 are case-sensitive
  4. Always refer to official Reddit API v3 documentation for field requirements
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Project: CDM Suite Website