

Reddit Conversions API Test Events - Complete Implementation

Objective Completed

Task: Implement full support for Reddit test events with `test_id` parameter to verify Conversions API integration.

Status:  **FULLY IMPLEMENTED AND OPERATIONAL**



What Was Implemented

1. Test ID Parameter Support

Added `test_id` parameter support throughout the entire tracking stack:

-  **API Endpoint** - Accepts and forwards `test_id` to Reddit
-  **Tracking Library** - Supports `testId` in all tracking functions
-  **Test Interface** - Admin page for sending test events

2. Reddit Test Events Page

Location: `/admin/reddit-test`

A comprehensive testing interface that allows you to:

- Send test events with the provided test ID: `t2_20lcxjcqah`
- Test different event types (SignUp, Lead, Purchase, etc.)
- View real-time results and responses
- Test both full tracking flow and API-only mode



Key Features

Test Event Interface

The test page at `/admin/reddit-test` provides:

1. Test ID Configuration

- Pre-populated with your test ID: `t2_20lcxjcqah`
- Can be cleared for production testing
- Fully editable

2. Event Type Selection

- SignUp
- Lead
- Purchase
- AddToCart

- ViewContent
- Custom Events

3. Test Data Input

- Email (for match key testing)
- Value and Currency (for Purchase/AddToCart)
- Custom event names

4. Two Testing Modes

- **Full Flow:** Sends via tracking library (client + server)
- **API Only:** Direct API call for testing

5. Real-Time Results

- Success/error messages
- Full response payload display
- Conversion ID tracking

Technical Implementation

1. API Endpoint Enhancement

File: /app/api/analytics/reddit-conversion/route.ts

```
// Extract testId from request body
const { eventType, customEventName, eventMetadata, userData, clickId, testId } = body;

// Add test_id to event data if provided
const eventData: any = {
  event_at: Date.now(),
  action_source: 'web',
  type: {
    tracking_type: eventType === 'custom' ? 'CUSTOM' : eventType,
  },
};

// Add test_id if provided (for testing events)
if (testId) {
  eventData.test_id = testId;
}
```

What It Does:

- Receives `testId` from client
- Adds `test_id` field to event payload
- Forwards to Reddit Conversions API
- Events with `test_id` appear in Reddit's Test Events panel

2. Tracking Library Update

File: /lib/reddit-tracking.ts

```

export async function trackRedditEvent(
  eventType: string,
  options?: {
    // ... existing options
    testId?: string; // NEW: Support for test ID
  }
) {
  // Track server-side via Conversions API
  await fetch('/api/analytics/reddit-conversion', {
    method: 'POST',
    body: JSON.stringify({
      eventType,
      testId: options?.testId, // NEW: Include test ID
      eventMetadata: { /* ... */ },
    }),
  });
}

```

What It Does:

- Accepts `testId` as optional parameter
 - Passes `testId` to API endpoint
 - All existing tracking functions support `testId`
-



How to Test

Step-by-Step Testing Guide

1. Navigate to Test Page

- URL: <https://cdmsuite.com/admin/reddit-test>
- Or: <http://localhost:3000/admin/reddit-test> (development)

2. Configure Test Event

Test ID: t2_20lcxjcqah (pre-filled)
 Event Type: SignUp (or any other)
 Email: test@example.com

3. Send Test Event

- Click “Send Test Event (Full Flow)”
- Wait for confirmation message
- Note the conversion_id returned

4. Verify in Reddit

- Go to Reddit Ads Manager
- Navigate to: Pixels → Your Pixel → Test Events
- Look for the event with matching test_id
- Should appear within 1-2 minutes

5. Check Event Details

- Verify event_type matches
- Check conversion_id is present
- Confirm email/metadata included
- Validate timestamp

Test Event Payload Example

Request Sent to Reddit

```
{
  "data": {
    "events": [
      {
        "event_at": 1730062800000,
        "action_source": "web",
        "test_id": "t2_20lcxjcqah",
        "type": {
          "tracking_type": "SignUp"
        },
        "user": {
          "email": "test@example.com",
          "ip_address": "192.168.1.1",
          "user_agent": "Mozilla/5.0 . . ."
        },
        "metadata": {
          "conversion_id": "1730062800-x1y2z3-SignUp"
        }
      }
    ]
  }
}
```

What Reddit Receives

- **test_id:** t2_20lcxjcqah
- **event_type:** SignUp
- **conversion_id:** Unique ID for deduplication
- **user data:** Email, IP, User Agent
- **timestamp:** Event occurrence time

Test vs Production Mode

With Test ID (`test_id` present)

```
// Test mode - events appear in Test Events panel
trackRedditEvent('SignUp', {
  email: 'test@example.com',
  testId: 't2_20lcxjcqah' // TEST MODE
});
```

Result:

- Event sent to Reddit
- Appears in Test Events panel
- NOT counted in production metrics
- Can be verified immediately

Without Test ID (Production)

```
// Production mode - events counted in real metrics
trackRedditEvent('SignUp', {
  email: 'user@example.com'
  // NO testId = PRODUCTION
});
```

Result:

- Event sent to Reddit
- Counted in production conversions
- Affects campaign performance data
- Cannot be undone



Verification Checklist

Before Testing

- [] Environment variables set (REDDIT_PIXEL_ID, REDDIT_CONVERSION_TOKEN)
- [] Test page accessible at /admin/reddit-test
- [] Test ID available: t2_20lcxjcqah

During Testing

- [] Test event form loads correctly
- [] All event types selectable
- [] Test ID field pre-populated
- [] “Send Test Event” button works
- [] Success message appears
- [] Response payload displayed

After Testing (Reddit Ads Manager)

- [] Navigate to Pixels → Test Events
- [] Test event appears in list
- [] Event type matches what was sent
- [] conversion_id present
- [] Email/metadata included
- [] Timestamp is correct



Testing Different Event Types

1. SignUp Event

Event Type: SignUp
 Email: signup@test.com
 Test ID: t2_20lcxjcqah

2. Lead Event

```
Event Type: Lead
Email: lead@test.com
Test ID: t2_20lcxjcqah
```

3. Purchase Event

```
Event Type: Purchase
Email: buyer@test.com
Value: 99.00
Currency: USD
Test ID: t2_20lcxjcqah
```

4. Custom Event

```
Event Type: custom
Custom Name: MyTestEvent
Email: custom@test.com
Test ID: t2_20lcxjcqah
```

Troubleshooting

Test Event Not Appearing in Reddit

Possible Causes:

1. Test ID incorrect or missing
2. API credentials not configured
3. Network/firewall blocking request
4. Reddit API temporary issue

Solutions:

1. Verify test ID: t2_20lcxjcqah
2. Check `.env.local` for:
 - `NEXT_PUBLIC_REDIT_PIXEL_ID`
 - `REDIT_CONVERSION_TOKEN`
3. Check browser console for errors
4. Check server logs for API responses
5. Wait 2-5 minutes and refresh Reddit dashboard

Error: “Failed to send conversion event”

Check:

1. API credentials are correct
2. Reddit Conversion Token is valid
3. Pixel ID matches your Reddit account
4. Network allows outbound HTTPS to Reddit API

Event Appears But Missing Data

Verify:

1. All form fields filled correctly
2. Email format is valid
3. Value/currency for Purchase events
4. conversion_id generated (check logs)



API Response Examples

Success Response

```
{
  "success": true,
  "result": {
    "data": {
      "events": [
        {
          "status": "received",
          "event_id": "evt_123abc"
        }
      ]
    }
  }
}
```

Error Response

```
{
  "error": "Failed to send conversion event",
  "details": "Invalid access token"
}
```



Best Practices

1. Always Use Test ID During Development

```
// Development/Testing
const testId = process.env.NODE_ENV === 'development'
? 't2_20lcxjcqah'
: undefined;

trackRedditEvent('SignUp', { email, testId });
```

2. Remove Test ID for Production

```
// Production only
trackRedditEvent('SignUp', {
  email
  // No testId = production event
});
```

3. Monitor Test Events Regularly

- Check test events before launching campaigns
- Verify deduplication working correctly
- Ensure all required data present
- Test all event types used in production

4. Document Test Results

- Keep record of test event IDs
- Note any issues encountered
- Track changes to tracking implementation
- Share results with team



Related Documentation

1. **REDDIT_PIXEL_SETUP_COMPLETE.md** - Initial pixel setup
2. **REDDIT_CONVERSIONS_API_COMPLETE.md** - Server-side API setup
3. **REDDIT_CONVERSION_ID_VERIFICATION.md** - Deduplication verification
4. **REDDIT_CONVERSION_ID_COMPLETE.md** - Conversion ID implementation
5. **REDDIT_TEST_EVENTS_IMPLEMENTATION.md** - This document



Summary

What You Can Do Now

- Send test events** via /admin/reddit-test page
- Verify tracking** before launching campaigns
- Test deduplication** with matching conversion IDs
- Debug issues** with real-time feedback
- Validate data** sent to Reddit Conversions API

Test ID Provided

t2_20lcxjcqah

Test Page URL

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

Expected Timeline

- **Send test event:** Instant
 - **API response:** 1-3 seconds
 - **Reddit dashboard:** 1-2 minutes
-

Implementation Status

Status:  PRODUCTION READY

All Reddit test event functionality is implemented and operational:

-  Test ID parameter support in API
-  Test ID support in tracking library
-  Admin test interface created
-  Full event type coverage
-  Real-time feedback and results
-  Documentation complete

Last Updated: October 27, 2025

Test ID: t2_20lcxjcqah

Test Page: /admin/reddit-test

Ready to Test!

Your Reddit Conversions API test events implementation is complete. You can now:

1. **Navigate to:** <https://cdmsuite.com/admin/reddit-test>
2. **Use Test ID:** t2_20lcxjcqah
3. **Send test events** and verify in Reddit Ads Manager
4. **Validate** your entire tracking setup before going live

All test events will appear in Reddit's Test Events panel and won't affect your production conversion metrics!