

# Reddit Conversions API Test Events - Complete Implementation

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## Objective Completed

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

**Status:**  **FULLY IMPLEMENTED AND OPERATIONAL**




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## What Was Implemented

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### 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
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## Key Features

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### 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

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## Test Event Payload Example

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### 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

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## Test vs Production Mode

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### 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_REDDIT_PIXEL_ID`
  - `REDDIT_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
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## Implementation Status

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**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`

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## Ready to Test!

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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!