

# Twitter/X Integration for DeFiDash (@Defidash\_Agent)

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## Status: FULLY OPERATIONAL

The DeFiDash Tracker is now integrated with X (Twitter) and can post updates to **@Defidash\_Agent**.

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## Credentials Configured

All Twitter API credentials have been securely stored:

-  API Key
-  API Secret
-  Bearer Token
-  Access Token
-  Access Token Secret

**Location:** /home/ubuntu/.config/abacusai\_auth\_secrets.json (under "x (twitter)")

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## Features Implemented

### 1. Tweet Posting ( /lib/twitter-client.ts )

- OAuth 1.0a authentication for posting tweets
- Rate limiting and error handling
- Automatic signature generation

### 2. Tweet Templates

Pre-built templates for common tweet types:

#### Whale Alerts

Notify followers of significant whale transactions:

 WHALE ALERT   
 2,500 \$ETH bought  
 Value: \$12.8M  
 Chain: Ethereum  
 0x742d35Cc...  
 Track whale activity: <https://defidashtracker.com/whale-tracker>  
 #Crypto #WhaleAlert #ETH

#### Market Updates

Share price movements and sentiment:

BTC Market Update  
 Price: \$132,850  
 24h: +5.3%  
 Sentiment: BULLISH  
 Get real-time market insights: <https://defidashtracker.com>  
 #Crypto #BTC #MarketUpdate

## Trending Tokens

Highlight trending cryptocurrencies:

TRENDING NOW: \$PEPE  
 Price: \$0.00001234  
 Change: +45.2%  
 Volume: \$125M  
 Massive whale accumulation detected!  
 Track trending tokens: <https://defidashtracker.com>  
 #Crypto #PEPE #Trending

## Daily Reports

Post comprehensive market summaries:

Daily Crypto Report - Nov 15, 2025  
 Whale Transactions: 247  
 Top Movers:  

- \$BTC: +12.5%
- \$ETH: +8.3%
- \$SOL: +15.7%

 Market Sentiment: Bullish  
 Full report: <https://defidashtracker.com>  
 #Crypto #DailyReport #DeFi

## Platform Features

Promote DeFiDash features:

DeFiDash Feature  
 Track whale movements across multiple chains in real-time. Get instant alerts when smart money moves.  
 Try it now: <https://defidashtracker.com>  
 #WhaleTracking #SmartMoney #Crypto

## API Endpoints Created

### 1. /api/twitter/post (POST)

**Purpose:** Post tweets manually

**Authentication:** Required (NextAuth session)

**Body:**

```
{
  "text": "Your tweet text",
  // OR
  "type": "whale-alert",
  "data": { /* template data */ }
}
```

## 2. /api/twitter/auto-post (POST)

**Purpose:** Auto-post based on site events

**Body:**

```
{
  "eventType": "whale-transaction",
  "eventData": { /* event data */ },
  "autoPost": true
}
```

### Event Types:

- whale-transaction : Posts when whale transaction > \$100k
- market-update : Posts when price change > 10%
- daily-report : Posts daily market summary
- trending-token : Posts trending token alerts
- platform-announcement : Posts feature announcements

## 3. /api/twitter/test-post (GET/POST)

**Purpose:** Test Twitter connection and post test tweets

**GET:** Check credentials and preview tweet

**POST:** Post a test tweet



## Social Media Dashboard

**Route:** /social-media

A comprehensive admin interface for managing tweets:

### Features:

- **Quick Templates:** One-click tweet generation
- **Custom Tweets:** Write custom content
- **Preview:** See tweets before posting
- **Character Counter:** Real-time character count (280 limit)
- **Last Posted:** View recently posted tweets with links
- **Connection Test:** Verify Twitter credentials

### Access:

Visit: <https://defidashtracker.com/social-media>

## Testing Results

### Test Tweet Posted Successfully

- **Account:** @Defidash\_Agent
- **Tweet ID:** 1989712291118649560
- **View:** [https://twitter.com/Defidash\\_Agent/status/1989712291118649560](https://twitter.com/Defidash_Agent/status/1989712291118649560)
- **Content:** Platform introduction tweet
- **Status:** LIVE 

## Usage Examples

### Example 1: Post a Whale Alert

```
import { twitterClient } from '@lib/twitter-client';

const whaleAlert = twitterClient.createWhaleAlertTweet({
  address: '0x742d35Cc6634C0532925a3b844Bc9e7595f0bEb',
  amount: '2,500',
  token: 'ETH',
  usdValue: '$12.8M',
  type: 'buy',
  chain: 'Ethereum'
});

await twitterClient.postTweet(whaleAlert);
```

### Example 2: Auto-post Market Update via API

```
curl -X POST https://defidashtracker.com/api/twitter/auto-post \
-H "Content-Type: application/json" \
-d '{
  "eventType": "market-update",
  "eventData": {
    "token": "BTC",
    "price": "$132,850",
    "change24h": "+5.3%",
    "sentiment": "bullish"
  },
  "autoPost": true
}'
```

### Example 3: Post via Social Media Dashboard

1. Navigate to `/social-media`
2. Select “Whale Alert” template
3. Click “Preview” to see generated content
4. Click “Post Tweet”
5. View on X at generated link

## Auto-Posting Rules

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The system can automatically post tweets based on site events:

### Whale Transactions

- **Condition:** Transaction value > \$100,000
- **Action:** Post whale alert tweet
- **Frequency:** Real-time (with rate limiting)

### Market Updates

- **Condition:** Price change > 10%
- **Action:** Post market update tweet
- **Frequency:** Once per significant move

### Daily Reports

- **Condition:** Scheduled daily
  - **Action:** Post daily summary
  - **Frequency:** Once per day
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## Next Steps

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### Recommended Actions:

1. **Test the dashboard:** Visit `/social-media` and post a few test tweets
2. **Set up auto-posting:** Enable automatic whale alerts
3. **Schedule daily reports:** Post daily market summaries
4. **Engage followers:** Respond to mentions and build community
5. **Track analytics:** Monitor engagement and adjust content

### Future Enhancements:

- Add Twitter analytics tracking
  - Implement scheduled tweet queue
  - Add image/media attachments
  - Create engagement automation
  - Build content calendar
  - Add A/B testing for tweets
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## Support

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For any issues with Twitter integration:

- Check credentials in auth secrets file
  - Verify API rate limits
  - Test connection via `/api/twitter/test-post`
  - Review logs for error messages
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## Conclusion

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The Twitter integration is **fully operational** and ready to amplify DeFiDash's presence on social media. Start posting updates, engage with the crypto community, and drive traffic to [defidashtracker.com](http://defidashtracker.com)!

**Let's make @Defidash\_Agent the go-to source for smart money intelligence!** 