

API Credentials Required for Live Media Center

This document outlines the API credentials and setup steps needed to enable real-time data for the Media Center's live tournament streaming and scores.

Current Status

 **The application is currently using MOCK DATA for demonstration purposes.**

The video player shows a demo video (/videos/pro-technique-demo.mp4) instead of live streams because real API credentials have not been configured yet.

Required API Services

1. PickleballTV API

Purpose: Live tournament streaming and video content

Required Credentials:

- API Key
- Client ID (if applicable)
- Stream Access Token

How to Get:

1. Visit <https://pickleballtv.com/>
2. Contact their business/API team: support@pickleballtv.com
3. Request API access for streaming integration
4. Obtain credentials for programmatic stream access

Environment Variables:

```
PICKLEBALLTV_API_KEY=your_api_key_here  
PICKLEBALLTV_CLIENT_ID=your_client_id_here  
PICKLEBALLTV_STREAM_TOKEN=your_stream_token_here
```

API Documentation: Request from PickleballTV support

Cost: Contact PickleballTV for pricing (likely requires business/enterprise plan)

2. PPA Tour API

Purpose: Professional Pickleball Association tournament data and schedules

Required Credentials:

- API Key
- OAuth Client ID & Secret (if required)

How to Get:

1. Visit <https://ppatour.com/>
2. Navigate to their developer or business section
3. Contact: info@ppatour.com or api@ppatour.com
4. Request API access for tournament data

Environment Variables:

```
PPA_TOUR_API_KEY=your_api_key_here  
PPA_TOUR_CLIENT_ID=your_client_id_here  
PPA_TOUR_CLIENT_SECRET=your_client_secret_here
```

API Documentation: <https://ppatour.com/api/docs> (if available) or request from their team

Cost: Contact PPA for pricing

3. Major League Pickleball (MLP) API

Purpose: MLP tournament data, team standings, and live scores

Required Credentials:

- API Key or OAuth tokens

How to Get:

1. Visit <https://majorleaguepickleball.net/>
2. Contact their media or API team
3. Email: info@majorleaguepickleball.net
4. Request API access for tournament integration

Environment Variables:

```
MLP_API_KEY=your_api_key_here  
MLP_ACCESS_TOKEN=your_access_token_here
```

API Documentation: Request from MLP team

Cost: Contact MLP for pricing

4. USA Pickleball API

Purpose: Official USAP tournament data and player rankings

Required Credentials:

- API Key
- Member/Organization ID

How to Get:

1. Visit <https://usapickleball.org/>
2. Contact their technical team
3. Email: tech@usapickleball.org
4. Explain your integration needs

Environment Variables:

```
USAP_API_KEY=your_api_key_here  
USAP_ORG_ID=your_org_id_here
```

API Documentation: <https://usapickleball.org/api-docs> (if available)

Cost: May require USAP membership or organizational partnership

5. Tennis Channel / Pickleball Channel API

Purpose: Live streaming for televised tournaments

Required Credentials:

- API Key
- Stream Access Token
- Channel ID

How to Get:

1. Visit <https://www.tennischannel.com/>
2. Contact their digital/API team
3. Email: digital@tennischannel.com
4. Request streaming API access

Environment Variables:

```
TENNIS_CHANNEL_API_KEY=your_api_key_here  
TENNIS_CHANNEL_STREAM_TOKEN=your_stream_token_here  
TENNIS_CHANNEL_CHANNEL_ID=your_channel_id_here
```

Cost: Likely requires commercial licensing agreement

6. BetsAPI (For Live Scores)

Purpose: Real-time match scores and statistics

Required Credentials:

- API Key

How to Get:

1. Visit <https://betsapi.com/>
2. Sign up for an account
3. Subscribe to pickleball data feeds
4. Get API key from dashboard

Environment Variables:

```
BETS_API_KEY=your_api_key_here
```

API Documentation: <https://betsapi.com/docs>

Cost: ~\$30-200/month depending on usage

Status: ⚠️ Currently using mock data - Need to verify if BetsAPI supports pickleball

Setup Instructions

Step 1: Obtain API Credentials

Contact each service provider listed above and obtain the necessary credentials. This may take several weeks depending on response times.

Step 2: Add Environment Variables

Create or update your `.env.local` file:

```
# PickleballTV
PICKLEBALLTV_API_KEY=your_api_key_here
PICKLEBALLTV_CLIENT_ID=your_client_id_here
PICKLEBALLTV_STREAM_TOKEN=your_stream_token_here

# PPA Tour
PPA_TOUR_API_KEY=your_api_key_here

# MLP
MLP_API_KEY=your_api_key_here

# USAP
USAP_API_KEY=your_api_key_here

# Tennis/Pickleball Channel
TENNIS_CHANNEL_API_KEY=your_api_key_here
TENNIS_CHANNEL_STREAM_TOKEN=your_stream_token_here

# BetsAPI (for live scores)
BETS_API_KEY=your_api_key_here
```

Step 3: Implement API Integration

Once credentials are obtained, we'll need to:

1. Create Service Layer Files:

- `/lib/media-api/pickleballtv-service.ts`
- `/lib/media-api/ppa-tour-service.ts`
- `/lib/media-api/mlp-service.ts`
- `/lib/media-api/usap-service.ts`
- `/lib/media-api/tennis-channel-service.ts`

2. Update API Routes:

- `/app/api/media-hub/live-tournaments/route.ts` - Replace mock data with real API calls
- `/app/api/media-hub/live-scores/route.ts` - Integrate with real score feeds

3. Update Components:

- `/components/media/live-tournament-streaming.tsx` - Handle real stream URLs
- `/components/media/enhanced-video-player.tsx` - Support different stream formats

Step 4: Test Integration

Test with each API:

```
# Test PickleballTV connection
curl -H "Authorization: Bearer YOUR_API_KEY" https://api.pickleballtv.com/streams/live

# Test PPA Tour connection
curl -H "X-API-Key: YOUR_API_KEY" https://api.ppatour.com/tournaments/live

# Test MLP connection
curl -H "Authorization: Bearer YOUR_API_KEY" https://api.majorleaguepickleball.net/events/live
```

Automated Content Updates

Current Daemon Configuration

The application has a daemon task set up to run **3 times daily**:

- 12:01 AM EST (overnight update)
- 6:00 AM EST (morning update)
- 6:00 PM EST (evening update)

Location: `/scripts/daemons/media-center-sync.ts`

What the Daemon Does

When real API credentials are configured, the daemon will:

1. **Sync Live Tournaments:** Fetch current live events from all APIs
2. **Update Scores:** Pull latest match scores and standings
3. **Refresh Stream URLs:** Update stream links and metadata
4. **Cache Data:** Store in database for fast retrieval
5. **Clean Old Data:** Remove expired events and old matches

Manual Sync

Admin users can manually trigger a sync from the admin dashboard:

- Navigate to `/admin/videos`
- Click "Sync Media Content"
- Or call the API: `POST /api/media-center/sync`

Implementation Timeline

Phase 1: Immediate (Using Mock Data)

- [x] UI components built
- [x] Mock data system functional
- [x] Video player working with demo content
- [x] Add to Calendar functionality
- [x] Auto-refresh every 30 seconds

Phase 2: API Credentials Acquisition (1-4 weeks)

- ☐ Contact all service providers
- ☐ Obtain API keys and credentials
- ☐ Set up developer/business accounts
- ☐ Review API documentation
- ☐ Understand rate limits and costs

Phase 3: Integration Development (1-2 weeks)

- ☐ Create service layer for each API
- ☐ Implement authentication flows
- ☐ Handle rate limiting
- ☐ Add error handling
- ☐ Build data transformation layer

Phase 4: Testing & Deployment (1 week)

- ☐ Test each API connection
- ☐ Verify stream playback
- ☐ Validate score accuracy
- ☐ Performance testing
- ☐ Deploy to production

Alternative: Free/Demo Options

If you want to test the live streaming functionality without purchasing API access:

Option 1: YouTube Live Streams

Use YouTube Data API (Free tier available):

```
YOUTUBE_API_KEY=your_youtube_key_here
```

Search for “pickleball live stream” and embed public YouTube live streams.

Option 2: Public RSS Feeds

Some organizations provide RSS feeds for tournament schedules:

- Parse RSS/XML feeds
- No API key required
- Limited to schedule data (no live streams)

Option 3: Web Scraping (Not Recommended)

- Scrape public tournament pages
- Legal/ethical concerns
- Fragile (breaks when sites update)
- Against most Terms of Service

Cost Summary

Estimated Monthly Costs (approximate):

Service	Estimated Cost	Required?
PickleballTV API	\$200-500/mo	Yes (for streams)
PPA Tour API	\$100-300/mo	Yes (for tournaments)
MLP API	\$100-250/mo	Yes (for MLP events)
USAP API	\$50-150/mo	Yes (for official data)
Tennis Channel API	\$300-1000/mo	Optional (for TV broadcasts)
BetsAPI	\$30-200/mo	Yes (for live scores)

Total Estimated: \$780-2,400/month

Note: Actual costs may vary. Some providers may offer bundle deals or non-profit discounts.

Support & Questions

If you need help implementing these integrations:

1. **Check Documentation:** Each API should have documentation
2. **Contact Providers:** Reach out to their support teams
3. **Developer Forums:** Look for community forums or Discord servers
4. **Hire Integration Help:** Consider hiring a developer experienced with sports streaming APIs

Current Workaround

Until real API credentials are obtained, the application will continue to use:

- **Demo Video:** /videos/pro-technique-demo.mp4 for visual demonstration
- **Mock Tournament Data:** Simulated live and upcoming events
- **Mock Scores:** Simulated match scores and updates
- **Calendar Integration:** ☒ Fully functional (works with mock data)
- **Auto-refresh:** ☒ Working (refreshes mock data)

This provides a complete user experience for demonstration and testing purposes.

Last Updated: November 15, 2025

Status: Awaiting API credentials for production deployment