**SportAI Suite Documentation**

Welcome to the official documentation for SportAI Suite Enterprise Edition.

**Quick Links**

* [Installation Guide](https://claude.ai/chat/c0e2fe55-abad-4d1b-858a-10825af6fd42#installation)
* [User Guide](https://claude.ai/chat/c0e2fe55-abad-4d1b-858a-10825af6fd42#user-guide)
* [API Documentation](https://claude.ai/chat/c0e2fe55-abad-4d1b-858a-10825af6fd42#api-documentation)
* [Deployment Guide](https://claude.ai/chat/c0e2fe55-abad-4d1b-858a-10825af6fd42#deployment)
* [Security Best Practices](https://claude.ai/chat/c0e2fe55-abad-4d1b-858a-10825af6fd42#security)

**Installation**

**Requirements**

* Python 3.8+
* 2GB RAM minimum
* 10GB storage

**Quick Start**

# Clone repository

git clone https://github.com/yourusername/sportai-suite.git

cd sportai-suite

# Run setup wizard

python setup.py

# Start application

streamlit run sportai\_main\_app\_file.py

**User Guide**

**First Login**

1. Navigate to http://localhost:8501
2. Use the admin credentials created during setup
3. Configure your facility settings

**Managing Users**

Navigate to Settings → Users to:

* Add new users
* Assign roles (Admin, Manager, Staff, User)
* Manage permissions
* Reset passwords

**Facility Configuration**

Settings → Configuration allows you to:

* Set facility name and type
* Configure features
* Customize branding
* Manage integrations

**API Documentation**

**Authentication**

import requests

# Get token

response = requests.post('http://localhost:8501/api/auth/login', json={

'email': 'user@example.com',

'password': 'password'

})

token = response.json()['token']

# Use token

headers = {'Authorization': f'Bearer {token}'}

**Endpoints**

**Facilities**

* GET /api/facilities - List facilities
* GET /api/facilities/{id} - Get facility details
* POST /api/facilities - Create facility
* PUT /api/facilities/{id} - Update facility
* DELETE /api/facilities/{id} - Delete facility

**Members**

* GET /api/members - List members
* POST /api/members - Add member
* GET /api/members/{id} - Get member details
* PUT /api/members/{id} - Update member

**Events**

* GET /api/events - List events
* POST /api/events - Create event
* GET /api/events/{id} - Get event details

**Deployment**

**Docker Deployment**

# Production deployment

docker-compose -f docker-compose.yml -f docker-compose.prod.yml up -d

# View logs

docker-compose logs -f

# Backup database

docker-compose exec backup /scripts/backup.sh

**Cloud Deployment**

**AWS**

1. Launch EC2 instance (t3.medium or larger)
2. Install Docker and Docker Compose
3. Clone repository
4. Configure environment variables
5. Run Docker Compose

**Azure**

1. Create Azure Container Instance
2. Configure with docker-compose.yml
3. Set environment variables
4. Deploy

**Google Cloud**

1. Use Cloud Run or GKE
2. Build and push image to GCR
3. Deploy with environment variables

**Security**

**Best Practices**

1. **Always use HTTPS** in production
2. **Change default passwords** immediately
3. **Enable 2FA** for admin accounts
4. **Regular backups** (automated via cron)
5. **Monitor audit logs** regularly
6. **Keep dependencies updated**

**Password Policy**

* Minimum 8 characters
* Must include uppercase, lowercase, digit, and special character
* Account lockout after 5 failed attempts
* Session timeout after 1 hour

**Data Protection**

* All passwords hashed with PBKDF2-HMAC-SHA256
* Session tokens are cryptographically secure
* Database encryption at rest (optional)
* SSL/TLS for all communications

**Troubleshooting**

**Common Issues**

**Application won't start**

# Check logs

tail -f logs/sportai\_\*.log

# Verify dependencies

pip list | grep streamlit

# Check database

python -c "import sqlite3; conn = sqlite3.connect('database/sportai.db'); print('DB OK')"

**Login issues**

# Reset admin password

python scripts/reset\_password.py admin@sportai.com

# Check account status

sqlite3 database/sportai.db "SELECT email, locked\_until FROM users WHERE email='admin@sportai.com'"

**Performance issues**

* Enable Redis caching
* Increase worker processes
* Use PostgreSQL instead of SQLite
* Enable CDN for static assets

**Support**

* **GitHub Issues**: [Report bugs](https://github.com/yourusername/sportai-suite/issues)
* **Discussions**: [Community forum](https://github.com/yourusername/sportai-suite/discussions)
* **Email**: support@sportai.com
* **Documentation**: [Full docs](https://docs.sportai.com/)

**Contributing**

We welcome contributions! See [CONTRIBUTING.md](https://claude.ai/CONTRIBUTING.md) for guidelines.

**License**

MIT License - see [LICENSE](https://claude.ai/LICENSE) for details.