

# PHOTOS.STSGYM.COM - Complete Documentation

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Date: March 22, 2026

## Overview

photos.stsgym.com is a photo gallery platform for STS GYM. It consists of two main services:

Service	Technology	Port	Purpose
photos-node	Node.js Express	5009	Main web application
auth-service	Python Flask	5007	SSO authentication

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## Architecture

```

|                                     |
|-------------------------------------|
| Cloudflare DNS                      |
| photos.stsgym.com → 207.244.226.151 |
| auth.stsgym.com → 207.244.226.151   |

|

▼

|                                      |
|--------------------------------------|
| Nginx (ports 80/443)                 |
| • SSL termination (Let's Encrypt)    |
| • Security headers (CSP, HSTS, etc.) |
| • Reverse proxy                      |

|                    |

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|                   |                 |
|-------------------|-----------------|
| photos.stsgym.com | auth.stsgym.com |
|-------------------|-----------------|

|                               |                               |
|-------------------------------|-------------------------------|
| proxy_pass :5009              | proxy_pass :5007              |
| photos-node (Docker)          | auth-service (Docker)         |
| Node.js Express               | Python Flask                  |
| Port: 5009                    | Port: 5007                    |
| Network: auth-service_default | Network: auth-service_default |
| photos-db (PostgreSQL)        | auth-service-db               |
| photos-redis (Redis)          | (PostgreSQL)                  |

...  
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### Docker Containers

| Container         | Image          | Port | Network                                          | Status   |
|-------------------|----------------|------|--------------------------------------------------|----------|
| `photos-node`     | node:20-alpine | 5009 | auth-service_default                             | □ Active |
| `auth-service`    | python:3.11    | 5007 | auth-service_default                             | □ Active |
| `photos-db`       | postgres:15    | 5432 | auth-service_default, photos-node_photos-network | □ Active |
| `auth-service-db` | postgres:15    | 5432 | auth-service_default                             | □ Active |
| `photos-redis`    | redis:7        | 6379 | photos-app_default                               | □ Active |

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## GitLab Repositories

| Repository | URL | Status |

|-----|-----|-----|

| photos-stsgym | https://idm.wezzel.com/crab-meat-repos/photos-stsgym | ☐  
Active |

| auth-stsgym | https://idm.wezzel.com/crab-meat-repos/auth-stsgym | ☐  
Active |

| photos-flask | https://idm.wezzel.com/crab-meat-repos/photos-flask | ☐  
Archived |

| Path | Repository |

|-----|-----|

| `~/openclaw/workspace/photos-stsgym/` | Node.js app |

| `~/openclaw/workspace/auth-stsgym/` | Auth service |

| `~/openclaw/workspace/photos-flask/` | Archived Flask |

| Path | Repository |

|-----|-----|

| `/home/wez/photos-node/` | Node.js app (active) |

| `/home/wez/auth-service/` | Auth service (active) |

| `/home/wez/photos-app-archived/` | Legacy Flask (retired) |

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## Database Schema

```
```sql
```

```
-- Users table
```

```
CREATE TABLE "user" (
```

```
id SERIAL PRIMARY KEY,
```

```
username VARCHAR(255) UNIQUE NOT NULL,
```

```
email VARCHAR(255) UNIQUE NOT NULL,
```

```
password_hash VARCHAR(255),
user_type VARCHAR(50) DEFAULT 'viewer',
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
last_login TIMESTAMP,
is_active BOOLEAN DEFAULT TRUE
);
-- Photos table
CREATE TABLE photo (
id SERIAL PRIMARY KEY,
photographer_id INTEGER REFERENCES "user"(id),
filename VARCHAR(256),
original_path VARCHAR(512),
thumbnail_path VARCHAR(512),
preview_path VARCHAR(512),
title VARCHAR(256),
description TEXT,
upload_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
rating DOUBLE PRECISION DEFAULT 0.0,
status VARCHAR(20) DEFAULT 'pending',
views INTEGER DEFAULT 0,
archived BOOLEAN DEFAULT FALSE,
locked BOOLEAN DEFAULT FALSE,
download_count INTEGER DEFAULT 0,
gallery_id INTEGER REFERENCES gallery(id)
);
-- Galleries table
```

```
CREATE TABLE gallery (  
id SERIAL PRIMARY KEY,  
user_id INTEGER REFERENCES "user"(id),  
name VARCHAR(256) NOT NULL,  
description TEXT,  
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
updated_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
is_public BOOLEAN DEFAULT FALSE,  
cover_photo_id INTEGER REFERENCES photo(id)  
);  
  
-- Customers table  
  
CREATE TABLE customer (  
id SERIAL PRIMARY KEY,  
photographer_id INTEGER NOT NULL REFERENCES "user"(id),  
email VARCHAR(120) NOT NULL,  
name VARCHAR(120),  
status VARCHAR(20) DEFAULT 'active',  
notes TEXT,  
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
phone VARCHAR(20),  
last_accessed TIMESTAMP,  
UNIQUE(photographer_id, email)  
);  
  
-- Gallery-Customer junction table  
  
CREATE TABLE gallery_customers (  
gallery_id INTEGER REFERENCES gallery(id) ON DELETE CASCADE,
```

```

customer_id INTEGER REFERENCES customer(id) ON DELETE CASCADE,
added_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
PRIMARY KEY (gallery_id, customer_id)
);

-- Share links table (public gallery access)
CREATE TABLE share_links (
id SERIAL PRIMARY KEY,
gallery_id INTEGER REFERENCES gallery(id) ON DELETE CASCADE,
token VARCHAR(64) UNIQUE NOT NULL,
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
expires_at TIMESTAMP,
max_views INTEGER,
views INTEGER DEFAULT 0,
is_active BOOLEAN DEFAULT TRUE
);
```



```

```sql
-- Users table
CREATE TABLE users (
id SERIAL PRIMARY KEY,
username VARCHAR(255) UNIQUE NOT NULL,
email VARCHAR(255) UNIQUE NOT NULL,
password_hash VARCHAR(255),
reset_token VARCHAR(255),
reset_token_expires TIMESTAMP,
role VARCHAR(20) DEFAULT 'user',

```


```

```

is_active BOOLEAN DEFAULT TRUE,
email_confirmed BOOLEAN DEFAULT TRUE,
created_at TIMESTAMP DEFAULT CURRENT_TIMESTAMP
);
...
---
```

## Features Implemented (2026-03-19)

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

|       |                          |                         |
|-------|--------------------------|-------------------------|
| Login | <input type="checkbox"/> | SSO via auth.stsgym.com |
|-------|--------------------------|-------------------------|

|          |                          |                        |
|----------|--------------------------|------------------------|
| Register | <input type="checkbox"/> | Auto-verified accounts |
|----------|--------------------------|------------------------|

|                |                          |                   |
|----------------|--------------------------|-------------------|
| Password Reset | <input type="checkbox"/> | Email-based reset |
|----------------|--------------------------|-------------------|

|                     |                          |                               |
|---------------------|--------------------------|-------------------------------|
| Session Persistence | <input type="checkbox"/> | Fixed session.save() callback |
|---------------------|--------------------------|-------------------------------|

|                 |                          |   |
|-----------------|--------------------------|---|
| Role Management | <input type="checkbox"/> | Admin can change user roles (user/photographer/admin) |
|-----------------|--------------------------|---|

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

|               |                          |  |
|---------------|--------------------------|--|
| Upload Photos | <input type="checkbox"/> | Multer-based, up to 50 photos, 50MB each |
|---------------|--------------------------|--|

|                  |                          |  |
|------------------|--------------------------|--|
| Gallery Creation | <input type="checkbox"/> | Create named galleries with descriptions |
|------------------|--------------------------|--|

|                    |                          |                              |
|--------------------|--------------------------|------------------------------|
| Gallery Management | <input type="checkbox"/> | View, edit, delete galleries |
|--------------------|--------------------------|------------------------------|

|                 |                          |                          |
|-----------------|--------------------------|--------------------------|
| Set Cover Photo | <input type="checkbox"/> | Choose gallery thumbnail |
|-----------------|--------------------------|--------------------------|

|               |                          |                                 |
|---------------|--------------------------|---------------------------------|
| Photo Storage | <input type="checkbox"/> | `/uploads/<user_id>/<filename>` |
|---------------|--------------------------|---------------------------------|

|                  |                          |                            |
|------------------|--------------------------|----------------------------|
| Database Storage | <input type="checkbox"/> | Photos saved to PostgreSQL |
|------------------|--------------------------|----------------------------|

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

| Feature | Status | Description |
|---------|--------|-------------|
|---------|--------|-------------|

|                     |                          |                               |
|---------------------|--------------------------|-------------------------------|
| Customer Assignment | <input type="checkbox"/> | Assign customers to galleries |
|---------------------|--------------------------|-------------------------------|

|                    |                          |  |
|--------------------|--------------------------|--|
| Public Share Links | <input type="checkbox"/> | Generate shareable links without login |
|--------------------|--------------------------|--|

| Link Expiry |  | Optional expiry (7/30/90 days) |

| View Tracking |  | Track share link views |

| Feature | Status | Description |

|-----|-----|-----|

| Add Customer |  | Name, email, phone, notes |

| List Customers |  | Paginated list |

| Delete Customer |  | Remove from database |

| Feature | Status | Description |

|-----|-----|-----|

| Dark Mode |  | Bootstrap dark theme with custom CSS |

| Responsive Design |  | Mobile-friendly |

| Bootstrap Icons |  | CSP fixed for CDN fonts |

| Dashboard Stats |  | Photo count, gallery count |

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## Bug Fixes (2026-03-19)

| Issue | Cause | Fix |

|-----|-----|-----|

| Bootstrap Icons rectangles | CSP `font-src` blocked `cdn.jsdelivr.net` |  
Added `cdn.jsdelivr.net` to `font-src` |

| Dark mode text unreadable | Bootstrap default text colors too dark | CSS  
overrides for all components |

| Session not persisting | `session.save()` not using callback | Changed to  
`resave: true, saveUninitialized: true` |

| Role change failing | Route not in container | Rebuilt container with role  
management code |

| Login failing after restart | Network isolation | Connected photos-node to  
auth-service\_default network |

| Auth unreachable in container | `auth.stsgym.com` resolved to `127.0.0.1`  
| Set `AUTH\_URL=http://auth-service:5005` |

| Upload not saving | No POST handler | Added multer routes + database integration |

| Images broken (404) | Nginx pointed to wrong uploads directory | Fixed nginx `/uploads/` alias to `/home/wez/photos-node/uploads/` |

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## Configuration Files

```yaml

services:

web:

build: .

container\_name: photos-node

environment:

NODE\_ENV: production

DATABASE\_URL: postgresql://photos:photos123@photos-db:5432/photos

SESSION\_SECRET: stsgym-photos-session-2026

AUTH\_URL: http://auth-service:5005

ports:

- "127.0.0.1:5009:5009"

volumes:

- ./uploads:/app/uploads

restart: unless-stopped

networks:

- auth-service\_default
- photos-node\_photos-network

```

Key configuration:

- HTTP/HTTPS with Let's Encrypt SSL
- Security headers (HSTS, CSP, X-Frame-Options, etc.)

- `font-src 'self' fonts.googleapis.com fonts.gstatic.com cdn.jsdelivr.net`  
(fixed for Bootstrap Icons)
- `/uploads/` alias to `/home/wez/photos-node/uploads/`
- Proxy to `127.0.0.1:5009`

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## Deployment Commands

```
```bash
```

```
ssh wez@207.244.226.151
```

```
cd /home/wez/photos-node
```

```
git pull origin main
```

```
docker build -t photos-node_web .
```

```
docker stop photos-node && docker rm photos-node
```

```
docker run -d --name photos-node --network auth-service_default \
```

```
-p 127.0.0.1:5009:5009 \
```

```
-v /home/wez/photos-node/uploads:/app/uploads \
```

```
-e AUTH_URL=http://auth-service:5005 \
```

```
photos-node_web
```

```
cd /home/wez/auth-service
```

```
git pull origin main
```

```
docker-compose build --no-cache
```

```
docker-compose up -d
```

```
docker logs photos-node --tail 100 -f
```

```
docker logs auth-service --tail 100 -f
```

```
curl https://photos.stsgym.com/health
```

```
curl https://auth.stsgym.com/api/health
```

```
```
```

---

## Credentials

```
Account	Username	Password	Role
photos-node DB	photos	photos123	-
auth-service DB	auth	auth123	-
wez	wez	StsPhotos2026!	admin
wezzels	wezzels	newpass2026	user
jrphotos	jrphotos	Kuz-m2if	photographer
admin	admin	(system)	admin
```

---

## Network Topology

```

Docker Networks:

- auth-service\_default: photos-node, auth-service, auth-service-db, photos-db
- photos-node\_photos-network: photos-node, photos-db, photos-redis

Container Links:

- photos-node → auth-service:5005 (AUTH\_URL)
- photos-node → photos-db:5432 (DATABASE\_URL)
- auth-service → auth-service-db:5432 (DATABASE\_URL)

```

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## File Uploads

Uploads are stored in:

- Container: `/app/uploads/<user\_id>/`
- Host: `/home/wez/photos-node/uploads/<user\_id>/`

File naming: ``<timestamp>-<random>.<extension>``

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## Security Headers

```
`` nginx

add_header Strict-Transport-Security "max-age=31536000;
includeSubDomains; preload" always;

add_header X-Frame-Options "SAMEORIGIN" always;

add_header X-Content-Type-Options "nosniff" always;

add_header X-XSS-Protection "1; mode=block" always;

add_header Referrer-Policy "strict-origin-when-cross-origin" always;

add_header Permissions-Policy "geolocation=(), microphone=(), camera=()"
always;

add_header Content-Security-Policy "default-src 'self'; script-src 'self'
'unsafe-inline' 'unsafe-eval' cdn.jsdelivr.net cdnjs.cloudflare.com; style-src
'self' 'unsafe-inline' cdn.jsdelivr.net cdnjs.cloudflare.com
fonts.googleapis.com; img-src 'self' data: blob: *.stsgym.com; font-src 'self'
fonts.googleapis.com fonts.gstatic.com cdn.jsdelivr.net; connect-src 'self'
https://auth.stsgym.com" always;

...

---
```

## Troubleshooting

1. Check auth-service is running: ``docker ps | grep auth-service``
2. Check network connectivity: ``docker exec photos-node wget -q -O - http://auth-service:5005/api/health``
3. Check session configuration: ``grep -A10 'app.use(session' /home/wez/photos-node/src/app.js``
4. Check uploads directory exists: ``ls -la /home/wez/photos-node/uploads/``
5. Check permissions: ``chmod 755 /home/wez/photos-node/uploads``
6. Check database: ``docker exec photos-db psql -U photos -d photos -c "SELECT * FROM photo LIMIT 5;"``
7. Check nginx uploads alias: ``grep '/uploads' /etc/nginx/sites-available/photos.stsgym.com``
8. Should point to: ``/home/wez/photos-node/uploads/``

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## Related Documentation

- ``/home/wez/stsgym-work/docs/PHOTOS-SETUP-GUIDE.md`` - Initial setup

- ``/home/wez/.openclaw/workspace/photos-stsgym/SETUP-GUIDE.md`` - Full setup guide
- ``/home/wez/.openclaw/workspace/MEMORY.md`` - Long-term memory

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### **Git Commits Today (2026-03-19)**

9. ``9889ac4`` - Fix session persistence - await session.save() callback
10. ``1034f54`` - Fix session persistence - enable resave and saveUninitialized
11. ``252623e`` - Add photo upload functionality with multer
12. ``4a4c56f`` - Add multer dependency for file uploads
13. ``bcaef0f`` - Add database integration for uploads - save photos and galleries to PostgreSQL
14. ``a806d2e`` - Add customer management - add, list, delete customers
15. ``65b4d4b`` - Add gallery management - create, view, delete galleries with photos
16. ``b67cc8b`` - Add proper edit gallery modal with name, description, and visibility options
17. ``d2f9c8d`` - Add customer assignment and public share links for galleries

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\*Last Updated: 2026-03-19 12:08 UTC\*