

Planka Runbook

Runbook: Planka

Service Type: Kanban Board / Project Management **Container:** planka
(ghcr.io/plankanban/planka:2.0.0-rc.4) **Ports:** 3100 (external) → 1337 (internal) **External URL:**
https://boards.alai.no **Database:** PostgreSQL 15 (planka-db) **Compose File:**
~/system/services/planka/docker-compose.yml

Service Info

Planka is the visual project management tool for BasicAS Group. Kanban-style boards for task tracking.

Stack:

- **planka** - Main app (RC4)
- **planka-db** - PostgreSQL 15 (alpine)

External Access:

- Exposed via Cloudflare Tunnel: boards.alai.no
- Trust proxy enabled for correct client IPs

Admin Access:

- **Web UI:** http://localhost:3100 (local) or https://boards.alai.no
 - **Username:** john
 - **Password:** BasicAS2026!
 - **Email:** john@alai.no
 - **Database:** postgresql://postgres@planka-db/planka (internal only, no auth)
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Status Check

Container Health

```
docker ps | grep planka
```

Expected output:

```
planka          Up X hours (healthy)
planka-db       Up X hours (healthy)
```

HTTP Check

```
curl -I http://localhost:3100
```

Expected: `200 OK` or `302 Found`

External Access Check

```
curl -I https://boards.alai.no
```

Expected: `200 OK` or `302 Found`

Database Check

```
docker exec planka-db psql -U postgres -d planka -c "SELECT count(*) FROM \"user\";"
```

Restart Procedure

Quick Restart (Container Only)

```
docker restart planka
```

Full Stack Restart (Container + Database)

```
cd ~/system/services/planka
docker compose down
```

```
docker compose up -d
```

Wait 30 seconds for healthcheck to pass, then verify:

```
docker ps | grep planka  
curl -I http://localhost:3100
```

Troubleshooting

Problem: Container won't start

Check logs:

```
docker logs planka --tail 100
```

Common causes:

1. Database not ready - wait 30s and retry
2. Port 3100 already bound - check `lsof -i :3100`
3. Volume permission issues - check docker volumes

Fix:

```
cd ~/system/services/planka  
docker compose down  
docker compose up -d planka-db  
sleep 30  
docker compose up -d planka
```

Problem: Login issues (can't sign in with admin credentials)

Check environment variables:

```
docker exec planka env | grep DEFAULT_ADMIN
```

Expected:

```
DEFAULT_ADMIN_EMAIL=john@alai.no  
DEFAULT_ADMIN_PASSWORD=BasicAS2026!  
DEFAULT_ADMIN_NAME=John AI  
DEFAULT_ADMIN_USERNAME=john
```

If admin was changed in UI, default credentials won't work. Reset via database:

```
docker exec plankadb psql -U postgres -d plankadb -c "SELECT email, username FROM \"user\"  
WHERE \"isAdmin\" = true;"
```

Problem: 502 Bad Gateway (external access)

Check container is running:

```
docker ps | grep plankadb
```

Check Cloudflare tunnel:

```
cloudflared tunnel info boards
```

Check BASE_URL:

```
docker exec plankadb env | grep BASE_URL
```

Expected: `BASE_URL=https://boards.alai.no`

Problem: Database connection issues

Check database health:

```
docker exec plankadb pg_isready -U postgres -d plankadb
```

Check connection string:

```
docker exec plankadb env | grep DATABASE_URL
```

Expected: `DATABASE_URL=postgresql://postgres@plankadb/plankadb`

API Access

Planka has a REST API. Example:

Get Boards (requires auth token)

```
curl -H "Authorization: Bearer <TOKEN>" http://localhost:3100/api/boards
```

Get Token:

1. Login via UI
2. Inspect browser Network tab → find `accessToken` in response
3. Or use user credentials to authenticate programmatically

Dependencies

- **Docker** - Service runtime
- **Cloudflare Tunnel** - External access (boards.alai.no)

No dependencies on other local services.

Backup

Database Dump

```
docker exec planka-db pg_dump -U postgres planka | gzip > ~/backups/planka-$(date +%Y%m%d-%H%M%S).sql.gz
```

Docker Volumes (includes file uploads)

```
docker run --rm -v planka-data:/data -v ~/backups:/backup alpine tar -czf /backup/planka-data-$(date +%Y%m%d-%H%M%S).tar.gz -C /data .  
docker run --rm -v planka-db-data:/data -v ~/backups:/backup alpine tar -czf /backup/planka-db-data-$(date +%Y%m%d-%H%M%S).tar.gz -C /data .
```

Restore from Backup

```
# Stop service
cd ~/system/services/planka
docker compose down

# Restore database
gunzip -c ~/backups/planka-YYYYMMDD-HHMMSS.sql.gz | docker exec -i plankadb psql -U postgres -d plankadb

# Restore volumes (if needed)
docker run --rm -v plankadb-data:/data -v ~/backups:/backup alpine tar -xzf /backup/plankadb-YYYYMMDD-HHMMSS.tar.gz -C /data
docker run --rm -v plankadb-data:/data -v ~/backups:/backup alpine tar -xzf /backup/plankadb-data-YYYYMMDD-HHMMSS.tar.gz -C /data

# Start service
docker compose up -d
```

Configuration

Key Environment Variables

- `BASE_URL` - External URL (<https://boards.alai.no>)
- `DATABASE_URL` - PostgreSQL connection string
- `SECRET_KEY` - Encryption key for sessions/tokens
- `TOKEN_EXPIRES_IN` - JWT token expiry (365 days)
- `DEFAULT_LANGUAGE` - UI language (en-US)
- `DEFAULT_ADMIN_*` - Initial admin user credentials
- `TRUST_PROXY` - Enable for correct IPs behind Cloudflare

Full config: `~/system/services/planka/docker-compose.yml`

Notes

- **Version:** 2.0.0-rc.4 (release candidate, not stable)
- **Auth method:** Password-based (no SSO/LDAP yet)
- **Database:** Uses PostgreSQL with `trust` auth (no password) - secure as internal-only
- **Token expiry:** 365 days (1 year) - very long, consider shorter for security

- **Admin password:** Stored in docker-compose.yml (plaintext) - consider secrets management
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Last updated: 2026-02-10 **Maintained by:** John (AI Director)

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