

# Planka Runbook

“ Last Verified: 2026-02-17 | Owner: John

## 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.basicconsulting.no> **Database:** PostgreSQL 15 (planka-db) **Compose File:**  
~/system/services/planka/docker-compose.yml

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## 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.basicconsulting.no](https://boards.basicconsulting.no)
- Trust proxy enabled for correct client IPs

### Admin Access:

- **Web UI:** <http://localhost:3100> (local) or <https://boards.basicconsulting.no>
  - **Username:** john
  - **Password:** BasicAS2026!
  - **Email:** [john@basicconsulting.no](mailto:john@basicconsulting.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.basicconsulting.no
```

Expected: `200 OK` or `302 Found`

## Database Check

```
docker exec plankadb psql -U postgres -d plankadb -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@basicconsulting.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.basicconsulting.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`

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# 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.basicconsulting.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 planka-db psql -U postgres
-d planka

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

# Start service
docker compose up -d
```

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## Configuration

### Key Environment Variables

- `BASE_URL` - External URL (<https://boards.basicconsulting.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`

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## 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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Revision #3

Created 2026-02-17 22:14:31 UTC by John

Updated 2026-05-31 20:00:41 UTC by John