

# Quick Reference Guide

## Vaultwarden Self-Hosted

Password manager with Docker

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## 1. Vaultwarden vs Bitwarden

- 100% compatible with official Bitwarden clients
- Only ~50 MB RAM (vs 4+ GB official Bitwarden)
- Written in Rust - fast, reliable, secure
- All features: passwords, notes, cards, identities
- 2FA (TOTP, Yubikey, email), sharing, folders

## 2. Deploy with Docker

```
mkdir -p ~/docker/vaultwarden && cd ~/docker/vaultwarden

cat > docker-compose.yml << 'EOF'
version: '3.8'
services:
  vaultwarden:
    image: vaultwarden/server:latest
    container_name: vaultwarden
    restart: unless-stopped
    ports:
      - "8888:80" # Generic port
    volumes:
      - ./data:/data
    environment:
      DOMAIN: https://vault.yourdomain.com
      ADMIN_TOKEN: REPLACE_WITH_SECURE_TOKEN
      SIGNUPS_ALLOWED: "false"
      INVITATIONS_ALLOWED: "true"
EOF
docker compose up -d
```

## 3. Secure Admin Token

```
# Generate a secure token:
openssl rand -base64 48
# or
python3 -c "import secrets; print(secrets.token_urlsafe(36))"

# Copy to ADMIN_TOKEN then restart:
docker compose down && docker compose up -d
```

## 4. Zoraxy Configuration

- Proxy Rules > Create
- Hostname: vault.yourdomain.com
- Target: http://localhost:8888
- Enable WebSocket support

- Get Let's Encrypt SSL certificate

```
curl -I https://vault.yourdomain.com
# Should return HTTP 200
```

## 5. Create Account

- Admin panel: <https://vault.yourdomain.com/admin>
- Users > Invite User > enter email
- Login: <https://vault.yourdomain.com>
- Master password: CANNOT be recovered, write it offline

## 6. Bitwarden Clients

- Chrome/Firefox: "Bitwarden" in browser store
- iOS: App Store > Bitwarden
- Android: Google Play > Bitwarden
- Desktop: [bitwarden.com/download](https://bitwarden.com/download)

```
# Configure custom server:
# Settings > Server URL
# Enter: https://vault.yourdomain.com
```

## 7. Backup the Vault

```
# Clean stop + copy
docker stop vaultwarden
cp -r ~/docker/vaultwarden/data ~/backups/vault-$(date +%Y%m%d)/
docker start vaultwarden

# Or SQLite live backup
sqlite3 ~/docker/vaultwarden/data/db.sqlite3 \
    ".backup /tmp/vault-backup.db"
```

## 8. 2FA

- Account > Two-step Login
- Enable: Authenticator App (TOTP)
- Scan QR code with Google Authenticator / Authy
- Save recovery codes offline

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Full article: [botum.ca/vaultwarden-self-hosted-password-manager/](https://botum.ca/vaultwarden-self-hosted-password-manager/)

Website: [www.botum.ca](https://www.botum.ca) -

- *Canada*