# ADE UT Capitole Calendar Exporter

Automatic calendar export service for UT Capitole ADE schedules with Docker deployment.

## Features

- 🔄 Automatic calendar export every 6 hours
- 🐳 Docker-based deployment (one-command setup)
- 🌐 Nginx web server for calendar distribution
- 📱 Beautiful dashboard to view and subscribe to calendars
- 🔗 Direct ICS URLs for Google/Proton Calendar subscription
- ☁️ Cloudflare Tunnel ready

## Quick Start

### Prerequisites

- Docker & Docker Compose installed
- Cloudflare Tunnel (optional, for public access)
- .env file with credentials

### Setup

1. **Clone the repository**

```
git clone <your-repo>
cd edt-utcapitole-exporter
```

2. **Create .env file**

```
cp .env.example .env
# Edit .env with your credentials
```
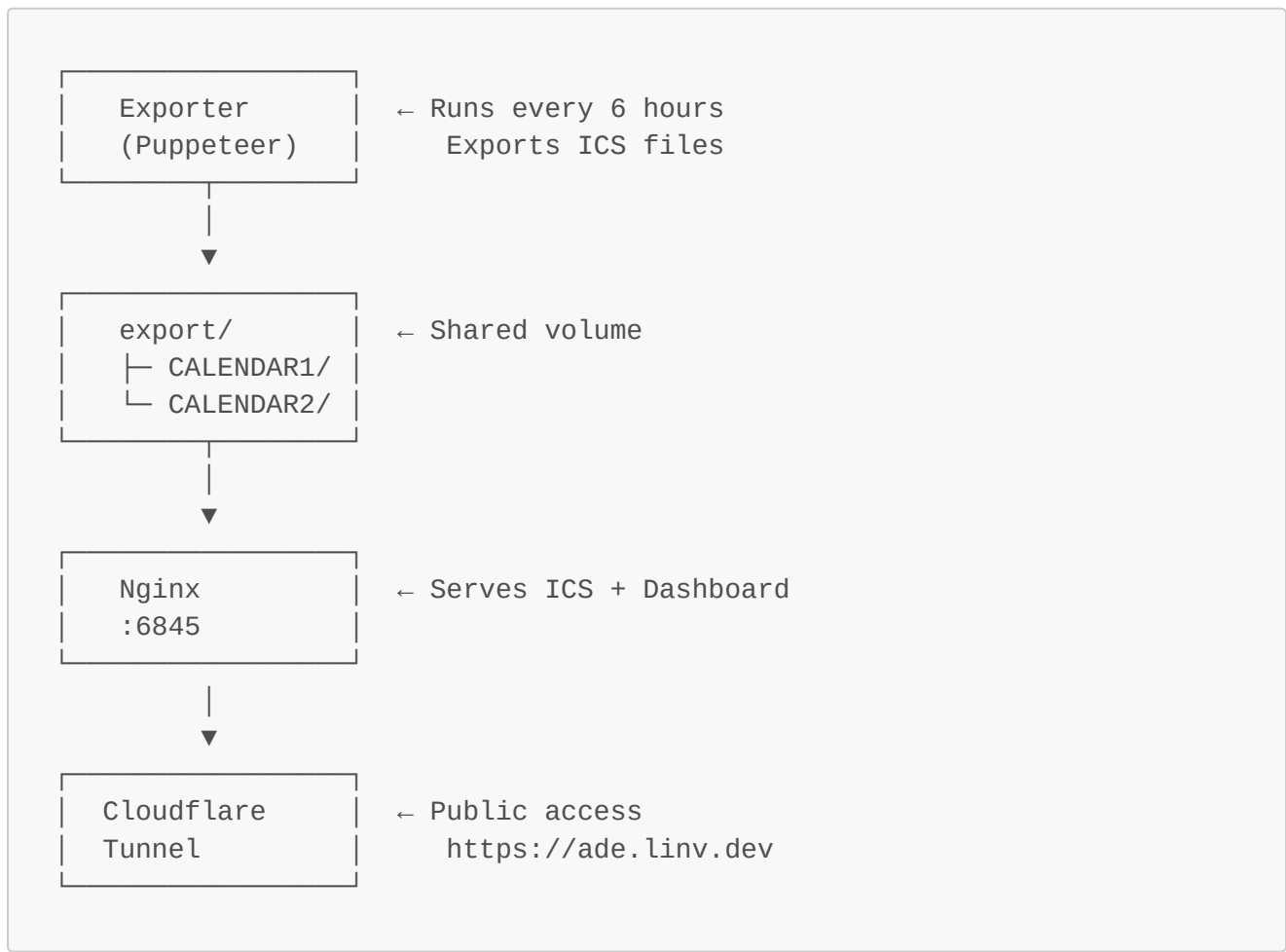
3. **Start the service**

```
docker compose up -d
```

4. **Access the dashboard**

   - Local: http://localhost:6845
   - Public (with Cloudflare): https://ade.linv.dev

# Architecture

```
┌─────────────────┐
│     Exporter    │    ← Runs every 6 hours
│   (Puppeteer)   │        Exports ICS files
└─────────────────┘
         │
         ▼
┌─────────────────┐
│     export/     │    ← Shared volume
│   ├─ CALENDAR1/ │
│   └─ CALENDAR2/ │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│      Nginx      │    ← Serves ICS + Dashboard
│      :6845      │
└─────────────────┘
         │
         ▼
┌─────────────────┐
│   Cloudflare    │    ← Public access
│     Tunnel      │        https://ade.linv.dev
└─────────────────┘
```

# Configuration

## Add Calendars

Edit `src/config.ts`:

```typescript
export const CALENDAR_PATHS: CalendarPath[] = [
    {
        name: 'IMMFA1TD01',
        path: [
            'Trainees',
            'UFR Informatique',
            'M1 MIAGE',
            'IMMFA1TD',
            'IMMFA1TD01',
        ],
    },
    // Add more calendars here
];
```

## Change Export Interval

Edit `docker-compose.yml`:

```
# Current: every 6 hours (21600 seconds)
command: sh -c "while true; do bun run src/index.ts && sleep 21600;
done"
```

## Calendar URLs

After deployment, calendars are available at:

- `https://ade.linv.dev/calendars/CALENDAR_NAME/CALENDAR_NAME.ics`

Example:

- `https://ade.linv.dev/calendars/IMMFA1TD01/IMMFA1TD01.ics`
- `https://ade.linv.dev/calendars/IMMFA1CM01/IMMFA1CM01.ics`

## Subscribe in Calendar Apps

### Proton Calendar

1. Settings → Calendars
2. Add calendar → From URL
3. Paste the calendar URL

### Google Calendar

1. Settings → Add calendar → From URL
2. Paste the calendar URL

## Development

### Local Development

```
# Install dependencies
bun install

# Run exporter once
bun run src/index.ts

# Run with auto-reload
bun run dev
```

### Manual Export

```
docker compose run --rm exporter bun run src/index.ts
```

## View Logs

```
docker compose logs -f exporter
docker compose logs -f nginx
```

# Production Deployment

1. **Start services**

```
docker compose up -d
```

2. **Setup Cloudflare Tunnel** (on host)

```
cloudflared tunnel --url http://localhost:6845
```

3. **Verify**

   - Visit https://ade.linv.dev
   - Check calendar URLs are working

# Troubleshooting

## Calendars not updating

```
docker compose logs exporter
docker compose restart exporter
```

## Nginx not serving files

```
docker compose logs nginx
ls -la export/
```

## Force manual export

```
docker compose exec exporter bun run src/index.ts
```

# License

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