

WordPress + AI Kit

Everything you need to move from a manual WordPress setup to a fully automated system powered by **local AI**. Deployment checklist, operational prompts and a real cost comparison.

1. Deployment Checklist

From zero to operational system in ~30 minutes:

- Provision a VPS (Ubuntu 24.04, 2 vCPU, 8 GB RAM minimum)
- Point your domain to the VPS (A + AAAA records)
- Install Docker + Docker Compose
- Clone `d0a1/workspace` and run `./manage.sh start`
- Configure `.env` with domain, email and credentials
- Bring up WordPress + Ollama + n8n + Qdrant + Redis
- Install WP-CLI inside the `wordpress` container
- Activate base plugins: Polylang, Redis Cache, Code Snippets, WP Mail SMTP
- Configure SMTP (WP Mail SMTP → host, port, user, password)
- Create your first admin user and remove the default one
- Import sample data or start with your own content
- Set up automatic backups (`scheduled-backup` extension)

2. Operational Prompts (15 ready to use)

Content

```
Write an 800-word article about {topic}, direct technical tone,
3 practical examples, closing list with 5 actionable points.
Markdown format. No empty intros. Start with an H1.
```

```
Rewrite this content to improve clarity and cut length by 30% while
keeping the key points. Return only the final text.
```

```
{content}
```

```
Generate 5 meta-descriptions of max 155 characters for this article.
Each with a different angle (question, benefit, urgency, stat, how-to).
```

```
{title_and_url}
```

SEO

Analyze the following post and return: (1) primary keyword, (2) 5 long-tail secondary keywords, (3) 3 related FAQ questions, (4) optimized title tag suggestion (≤ 60 chars), (5) meta-description (≤ 155 chars).

```
{content}
```

Generate a JSON-LD Article schema with headline, author, datePublished, publisher, image. Fill with plausible data from:

```
{post_metadata}
```

Maintenance

Review this plugin list and tell me: which have been inactive for 30+ days, which have not been updated in 1+ year, which have known vulnerabilities. Return a table with: plugin, status, recommendation.

```
{wp plugin list}
```

Given this output of "wp post list --post_status=draft", classify by topic, detect duplicates, recommend which to discard.

```
{drafts_list}
```

Operations

I have these WordPress error logs: {logs}. Identify the recurring pattern, the probable root cause, and the minimum viable fix.

Generate a WP-CLI script that, given a post ID, exports title + content + featured image + SEO metadata to a JSON file.

Given this slow SQL query: {sql}. Suggest indexes to create, query rewrite, or denormalization. Return only the optimized version.

Multilingual

Translate this article from EN to ES keeping a technical tone, correct WP terms (do not translate "post", "frontend", "backend", "plugin"). Return only the Markdown.

```
{content_en}
```

Generate 5 correct hreflang tags for this multilingual content, including x-default. Base URLs: {urls}.

Analytics

Given this weekly traffic CSV, identify trends, anomalies and actionable recommendations. Format: table + 3 bullets.

{csv}

Create a weekly dashboard with: sessions, unique users, newsletter conversions, top 5 pages, traffic sources. Markdown format with tables.

3. Cost Comparison: Local vs SaaS

| Component | Typical SaaS | d0a1 local stack | Annual saving |
|------------------------|----------------------|------------------------------|----------------|
| WordPress hosting | SiteGround €200/yr | VPS 4x16 €240/yr | — |
| Generative AI (text) | ChatGPT Plus €240/yr | Ollama + llama3.1:8b (local) | €240 |
| Generative AI (images) | Midjourney €96/yr | SDXL local (GPU) or Flux | €96 |
| Email marketing | Mailchimp €180/yr | WordPress + own SMTP | €180 |
| Analytics | Hotjar Pro €240/yr | Plausible self-hosted €96/yr | €144 |
| Backups | UpdraftPlus €70/yr | Cron + rclone to B2 €12/yr | €58 |
| Translation | Weglot €192/yr | Polylang + local AI | €192 |
| Forms | Typeform €300/yr | Contact Form 7 (free) | €300 |
| Total | ~€1,518/yr | ~€348/yr | ~€1,170 |

ROI of the d0a1 stack: you recover the time investment (~20h) in under 2 months, and from then on it's pure savings + sovereignty over your data.

4. Technical Stack

- **WordPress 7.x** + custom theme `d0a1-binary`
- **Ollama** (local LLM: llama3.1, mistral, qwen2.5, codellama)
- **n8n** (automations, workflows)
- **Qdrant** (vector store for RAG / semantic memory)
- **Redis** (cache, object cache, sessions)

- **PostgreSQL** (structured data for the stack)
- **Traefik / Caddy** (reverse proxy + automatic HTTPS)

Ready to deploy?

Full docs: d0a1.es/en/documentation/

Repository: git.d0a1.es/d0a1/workspace

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