## **🌙 Midnight Magnolia Deployment Architecture & Implementation Plan (2025)**

### **💠 Core Strategy: Dual-Platform Infrastructure**

| **Layer** | **Platform** | **Purpose** |
| --- | --- | --- |
| Frontend | Vercel | Public site with AI tools + eCommerce |
| Backend | Replit | Creator dashboard + content generator |
| Auth | Supabase or Clerk | User & creator sign-in |
| Payment | Stripe | Membership tiers |
| Storage | Notion / Airtable / Supabase | Data store & journaling |

### **📍 Domain Routing**

| **URL** | **Destination** | **Purpose** |
| --- | --- | --- |
| [https://midnight-magnolia.com](https://midnight-magnolia.com/) | Vercel | Public content + AI tools |
| [https://creator.midnight-magnolia.com](https://creator.midnight-magnolia.com/) | Replit | Admin + AI dashboard |

## **⚙️ Updated Replit Implementation Plan**

Recommended: Start with **Reserved VM** on Replit for stability

### **📁 Folder Structure**

****/src

├── index.tsx # Public Home

├── /tiers # Memberships

├── /signup # Auth flow

├── /dashboard # Creator tools (auth protected)

└── /api # GPT & workflow endpoints

### **🛠 Replit Setup Steps (Clean Build)**

1. Clone fresh project repo and push to Replit
2. Configure .replit file:

run = "npm run dev"

1.   
   Use Replit Secrets (or .env) for:

OPENAI\_API\_KEY=...

SUPABASE\_URL=...

SUPABASE\_ANON\_KEY=...

STRIPE\_SECRET\_KEY=...

NOTION\_API\_KEY=...

1.   
   Add Supabase Auth integration
2. Build /api endpoints for AI tools
3. Build /dashboard for creator control panel
4. Protect all sensitive routes
5. Test with bearer token from Vercel (see below)

## **🔗 API Bridge: Vercel → Replit**

****fetch("https://creator.midnight-magnolia.com/api/create-journal", {

method: "POST",

headers: {

Authorization: "Bearer YOUR\_SECRET",

"Content-Type": "application/json",

},

body: JSON.stringify({ prompt: "What needs healing today?" }),

});

Use secret keys to restrict calls. Store them securely in both platforms.

## **⚡️ Vercel Project Clarification**

**Project Name**: v0-midnight-magnolia  
 **Live URL**: [vercel.com/midnight-magnolia-sc](https://vercel.com/midnight-magnolia-sc)

**Suggested Fixes:**

* ✅ Proxy to Replit via /api routes
* ✅ Use next.config.js for secure cross-origin calls
* ✅ Static route setup for /tiers and /products

## **💸 Replit Deployment Cost Breakdown**

| **Plan** | **Features** | **Est. Monthly Cost** |
| --- | --- | --- |
| Autoscale Plan | Pay-per-use with free base | $3–10 |
| Reserved VM | Stability, ideal for creator dashboard | $10–20 |
| Replit Core | $25 credits/month, better tools | $20 |

### **🧠 Autoscale Machine Configuration**

| **Parameter** | **Value** |
| --- | --- |
| vCPUs per Machine | 8 |
| RAM per Machine | 32 GiB |
| Compute Units/Machine | 208 units/sec |
| Max Machines | 10 |
| Max Throughput | 2080 compute units/sec |

**Billing Notes:**

* Charges only apply beyond Core credits ($25/month included)
* Estimated costs range from $2 to $80/month depending on activity
* Ideal for AI tools, journaling, and creator features with bursts
* Reduce "max machines" to 5 to control spending

## **✅ Master Checklist**

| **Task** | **Status** |
| --- | --- |
| Reconfirm domain routing to Vercel & Replit | ✅ |
| Clear and redeploy Replit with minimal config | ⏳ |
| Supabase login + data store | ⏳ |
| Add protected endpoints (/create-journal, /save-entry) | ⏳ |
| Test from Vercel using shared secret | ⏳ |
| Connect Notion/Airtable to dashboard | ⏳ |
| Sync tarot prompts, AI tools, Stripe tiers | ⏳ |
| Deploy /tiers and product UI in Vercel | ⏳ |