

Jules MCP Server - Deployment Documentation

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1. Domain Migration Summary

This document details the production domain migration from the Render platform URL to the custom Scarmonit domain.

Property	Previous	Current
Production URL	antigravity-jules-orchestration.onrender.com	scarmonit.com
Health Endpoint	/health	/health
MCP Tools Endpoint	/mcp/tools	/mcp/tools
MCP Execute Endpoint	/mcp/execute	/mcp/execute
SSL/TLS	Render Managed	Cloudflare Managed
CDN	None	Cloudflare

2. Production Architecture

Layer	Technology	Purpose
DNS	Cloudflare	Domain management, SSL termination
CDN/Proxy	Cloudflare	DDoS protection, caching, edge routing
Hosting	Render	Container hosting, auto-deploy
Runtime	Node.js 18+	MCP server execution

API	Express.js	HTTP endpoints, routing
External	Google Jules API	AI coding sessions

3. API Endpoints

3.1 Health Check

```
GET https://scarmonit.com/health
```

Returns server health status, version, and configuration state. Used for monitoring and load balancer health checks.

3.2 MCP Tools List

```
GET https://scarmonit.com/mcp/tools
```

Returns list of available MCP tools: jules_list_sources, jules_create_session, jules_list_sessions, jules_get_session, jules_send_message, jules_approve_plan, jules_get_activities.

3.3 MCP Execute

```
POST https://scarmonit.com/mcp/execute
```

Executes MCP tools. Requires X-API-Key header for write operations. Request body: {tool: string, parameters: object}.

4. Environment Configuration

Variable	Required	Description
JULES_API_KEY	Yes	Google Jules API authentication key
GOOGLE_APPLICATION_CREDENTIALS_JSON	No	Service account JSON (alternative to API key)
PORT	No	Server port (default: 3323)
ALLOWED_ORIGINS	No	CORS allowed origins (comma-separated)
NODE_ENV	No	Environment (production/development)

5. Files Updated in Migration

The following files were updated to reference the new production domain (scarmonit.com):

- CLAUDE.md - Project configuration
- index.js - CORS ALLOWED_ORIGINS
- antigravity-mcp-config.json - MCP config
- DEPLOYMENT.md - Deployment guide
- INTEGRATION.md - Integration guide
- .github/workflows/health-check.yml - CI/CD
- scripts/*.ps1 - PowerShell scripts (12 files)
- scripts/*.sh - Shell scripts (2 files)
- scripts/*.js - JavaScript scripts (1 file)
- docs/*.md - Documentation files (8 files)

6. Deployment Verification

6.1 Health Check Verification

```
curl https://scarmonit.com/health
```

Expected: {"status":"ok","version":"2.3.0",...}

6.2 MCP Tools Verification

```
curl https://scarmonit.com/mcp/tools
```

Expected: {"tools":[...7 jules tools...]}

6.3 SSL/TLS Verification

```
curl -I https://scarmonit.com
```

Expected: HTTP/2 200, valid SSL certificate from Cloudflare

7. Support & Monitoring

Production URL: <https://scarmonit.com>

Health Dashboard: <https://dashboard.render.com>

DNS Management: <https://dash.cloudflare.com>

Repository: <https://github.com/scarmonit/antigravity-jules-orchestration>