

PersonaEngine - Task #931

PE-1816: Add async persona generation with status webhook

2026-05-16 17:25 - Fredrick Amnehagen

Status:	Done	Start date:	2026-05-16
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:		Estimated time:	0:00 hour
Target version:		Spent time:	0:00 hour
Description			
Problem			
Persona generation is synchronous. User must poll for completion. No automatic notification when generation finishes.			
Current Flow			
<ol style="list-style-type: none">1. POST /api/v1/personas (sync request)2. If generation takes time, user must poll GET /api/v1/personas/{id}/status3. No automatic callback			
Proposed Solution			
<ol style="list-style-type: none">1. POST /api/v1/personas/generate-async - Returns job ID immediately2. GET /api/v1/personas/jobs/{id} - Check status3. Webhook sent when generation completes (PersonaReady event)			
Async Job Flow			
<ol style="list-style-type: none">1. User submits: POST /api/v1/personas/generate-async with {name, archetype, traits}2. Returns: {job_id: 'uuid', status: 'queued', poll_url: '/api/v1/personas/jobs/uuid'}3. Backend dispatches GeneratePersonaJob4. On complete: webhook sent to user's configured URL5. User can poll for status anytime			
Benefits			
<ul style="list-style-type: none">• Non-blocking API• Webhook notification on completion• Better UX for long-running generations• Support for bulk generation			
Implementation			
<ul style="list-style-type: none">• Use Laravel Queue (already configured)• Create GeneratePersonaJob• Add personas_jobs table (id, user_id, status, progress, result, error)• Modify WebhookService to dispatch on persona events			
Files to Create/Modify			
<ul style="list-style-type: none">• app/Jobs/GeneratePersonaJob.php• app/Http/Controllers/Api/PersonaJobController.php• database/migrations/ (personas_jobs table)• app/Services/PersonaService.php (event dispatch)• routes/api_v1.php			

History

#1 - 2026-05-16 18:21 - Fredrick Amnehagen

- Status changed from *To do* to *Done*

- % Done changed from 0 to 100

Added `persona_jobs` table, `PersonaJob` model, `AsyncPersonaGenerationJob`, `PersonaJobController`. Added `POST /personas/generate-async` (returns `job_id` immediately), `GET /personas/jobs/{id}` (status), `POST /personas/jobs/{id}/retry`, `POST /personas/jobs/{id}/cancel`. Webhook dispatched on completion.