

PersonaEngine - Task #766

PE-999: Recreate LXC 107 with proper deployment workflow

2026-05-05 18:57 - Fredrick Amnehagen

Status:	To do	Start date:	2026-05-05
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0:00 hour
Target version:		Spent time:	0:00 hour
Description			
Plan			
Step 1: Teardown			
<pre>la-infra-cli decommission --domain persona.loopaware.com --vmid 107 --node la-vmh-12</pre>			
Step 2: Provision DB + S3 (idempotent)			
<pre>la-infra-cli db provision persona-engine la-infra-cli garage create-bucket persona-engine</pre>			
Step 3: Allocate IP			
<pre>la-infra-cli ip next-free --project persona-engine --owner fredrick --domain persona.loopaware.com --purpose "PersonaEngine Laravel API" --vmid 107</pre>			
Step 4: Create LXC			
<pre>la-infra-cli proxmox create-lxc --vmid 107 --node la-vmh-12 debian-13 la-persona-engine-01 <NEW_IP>/16 10.32.0.1 --storage pve-12-disk --memory 2048 --cores 2</pre>			
Step 5: Deploy code			
<pre>la-infra-cli proxmox push-dir 107 /home/fredrick/PersonaEngine /var/www/PersonaEngine --user root --group root</pre>			
Step 6: Configure inside LXC			
<pre>la-infra-cli proxmox exec 107 -- "COMPOSER_ALLOW_SUPERUSER=1 composer install --no-dev --prefer-dist" la-infra-cli proxmox exec 107 -- "php artisan key:generate --force" # Set .env with DB/valkey/garage credentials la-infra-cli proxmox exec 107 -- "php artisan migrate --force"</pre>			
Step 7: Start services			
<pre>la-infra-cli proxmox exec 107 -- "service nginx restart && service php8.4-fpm restart"</pre>			
Step 8: Setup deploy key + git pull			
<p>Deploy key (ID 6) already on Forgejo. Write private key to LXC, configure SSH (Port 2222), verify git clone.</p>			
Step 9: Add ingress			
<pre>la-infra-cli ingress add persona.loopaware.com <NEW_IP> 80 --cert loopaware.com.pem --https</pre>			
Step 10: Update deploy.yml			

Replace infra deploy with push-dir + exec git pull + exec composer install + `exec migrate`

Root Cause of Previous Failure

LXC 107 deployment used pct exec (from inside LXC) instead of pct push (from host side), causing ZFS ACL inheritance issues on /var/www (aclinherit=restricted + acltype=posix). All writes to /var/www from lxc-attach appeared to succeed but did not persist.

Key Fix

push-dir writes from the Proxmox host side via pct push, bypassing the ACL issue entirely.