Pulp - Issue #9262

Django Lifecycle doubles memory usage of all "Content" objects due to change-tracking

08/20/2021 04:23 AM - dalley

Status:	NEW	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:		**Estimated time:**	0:00 hour
Category:			
Sprint/Milestone:			
Severity:	2. Medium	**Groomed:**	No
Version:		**Sprint Candidate:**	No
Platform Release:		**Tags:**	
OS:		**Sprint:**	
Triaged:	Yes	**Quarter:**	

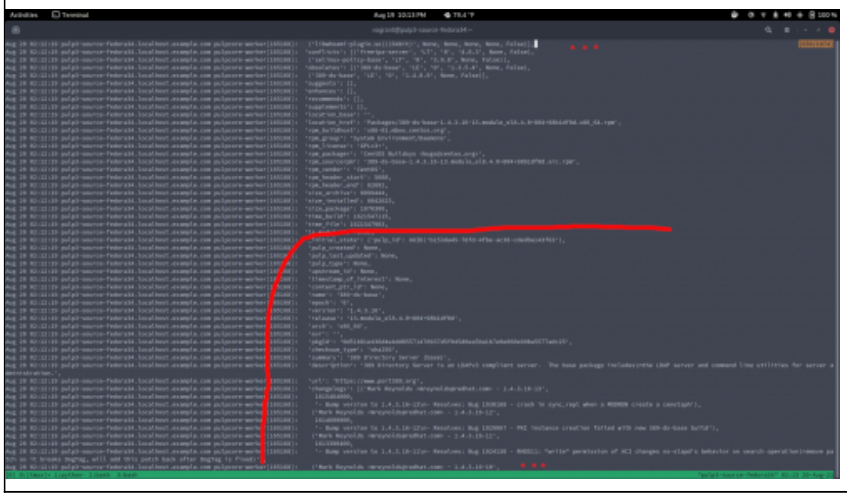
Description

Django Lifecycle has hook system that activates when fields on models are changed - in order to implement this, it keeps a copy of the initial state of all fields, so that it can tell when they change.

We do not benefit from this since content (at least, all content to date) are immutable, but we suffer significantly from it as it doubles the in-memory size of all content objects. When these objects are very large, as frequently occurs with the RPM plugin, this can be significant.

We should find a way to opt out of this functionality, or create one ourselves with an upstream contribution.

https://github.com/rsinger86/django-lifecycle/blob/9c0d1289568ea070d0e0a396980a29d6f9b7b959/django_lifecycle/mixins.py#L26



History

#1 - 08/24/2021 04:45 PM - fao89

- Triaged changed from No to Yes

Files

Screenshot from 2021-08-19 22-13-26.png	429 KB	08/20/2021	dalley