Python Support - Issue #3446

Using null=True with CharField and TextField is a no-op and recommended against by the Django & DRF docs

03/09/2018 07:49 AM - dalley

Status:	MODIFIED		**Start date:**	
Priority:	Normal		**Due date:**	
Assignee:			**Estimated time:**	0:00 hour
Category:				
Sprint/Milestone:				
Severity:	2. Medium		**Sprint Candidate:**	No
Version - Python:			**Tags:**	
Platform Release:			**QA Contact:**	
Blocks Release:			**Complexity:**	
Target Release - Python:			**Smash Test:**	
OS:			**Verified:**	No
Backwards Incompatible:	No		**Verification Required:**	No
Triaged:	Yes		**Sprint:**	
Groomed:	No			

Description

Using null=True with CharField and TextField is recommended against and is also essentially a no-op. blank=True captures what I think we actually want.

https://docs.djangoproject.com/en/2.0/ref/models/fields/#null

> If True, Django will store empty values as NULL in the database. Default is False.

> Avoid using null on string-based fields such as CharField and TextField. If a string-based field has null=True, that means it has two possible values for "no data": NULL, and the empty string. In most cases, it's redundant to have two possible values for "no data;" the Django convention is to use the empty string, not NULL. One exception is when a CharField has both unique=True and blank=True set. In this situation, null=True is required to avoid unique constraint violations when saving multiple objects with blank values.

> For both string-based and non-string-based fields, you will also need to set blank=True if you wish to permit empty values in forms, as the null parameter only affects database storage (see blank).

https://docs.djangoproject.com/en/2.0/ref/models/fields/#blank

> If True, the field is allowed to be blank. Default is False.

> Note that this is different than null. null is purely database-related, whereas blank is validation-related. If a field has blank=True, form validation will allow entry of an empty value. If a field has blank=False, the field will be required.

Associated revisions

Revision 25932c96 - 03/20/2018 10:09 PM - dalley

Don't use null=True with TextField

closes #3446
https://pulp.plan.io/issues/3446

History

#1 - 03/09/2018 07:50 AM - dalley

- Description updated

#2 - 03/09/2018 07:54 AM - dalley

- Description updated

#3 - 03/09/2018 07:55 AM - dalley

- Tags Easy Fix, Pulp 3 added

#4 - 03/09/2018 08:34 AM - dalley

- Subject changed from We should be using blank=True instead of null=True with CharField and TextField to Using null=True with CharField and TextField is a no-op and recommended against by the Django & DRF docs

#5 - 03/09/2018 03:14 PM - daviddavis

Looks like there are some django lint tools we could maybe use. Specifically, this one seems to check for nullable Text/Char fields:

https://github.com/lamby/django-lint/blob/27e753656e0e9a60251a8c405920668a59f166de/DjangoLint/AstCheckers/model_fields.py#L32

Edit: Looks like this linter is python 2 only :(

#6 - 03/09/2018 05:03 PM - dalley

- Triaged changed from No to Yes

- Tags deleted (Easy Fix)

#7 - 03/20/2018 10:43 PM - dalley

- Status changed from NEW to MODIFIED

Applied in changeset 25932c96690ba19156ddb99fd11a2ad11350cd35.

#8 - 04/26/2019 10:36 PM - bmbouter

- Tags deleted (Pulp 3)