

A dramatic scene of a wildebeest migration. Several animals are captured in motion, crossing a river. Some are running on the muddy bank, kicking up dust, while others are splashing through the water. The background shows a steep, vegetated bank. The overall atmosphere is one of intense natural activity.

# DJANGO MIGRATION ISSUES PARTIAL MIGRATIONS INDEXING

BY IDEO-LAB

MARCH 2026

WRONG MIGRATIONS

# EXPECTED BEHAVIOR ON CRON

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Elle doit faire strictement :

- 1 comparer `models.py` ↔ MariaDB
- 2 générer la migration correcte (0051)
- 3 retirer les opérations déjà appliquées
- 4 écrire la migration nettoyée
- 5 lancer `migrate`
- 6 afficher `applied / skipped`

# GHOST INVALID MIGRATION

```
warnings.warn(message.format(3.0), FutureWarning)
Migrations for 'weglot':
weglot\migrations\0051_benchmarkmanualrun_i18nsite_flags_i18nsite_limits_and_m
ore.py
- Create model BenchmarkManualRun
- Add field flags to i18nsite
- Add field limits to i18nsite
- Add field domain to translationproject
- Add field month_key to translationproject
- Add field monthly_char_limit to translationproject
- Add field monthly_char_used to translationproject
- Add field owner to translationproject
- Add field publishable_key to translationproject
- Add field secret_key to translationproject
- Alter field canonical_path on benchmarkreferencepage
- Alter field final_path on benchmarkreferencesnapshot
- Alter field action on i18nexclusionrule
- Alter field url_mode on i18nexclusionrule
- Alter field page on translationbatchlog
- Alter field key_hash on translationunit
- Create index weglot_benc_site_id_bd6be9_idx on field(s) site, status, is_a
ctive of model benchmarkreferencepage
- Create index weglot_benc_site_id_22a1ff_idx on field(s) site, source_lang,
target_lang of model benchmarkreferencepage
- Create index weglot_benc_site_id_fb07af_idx on field(s) site, is_official_
reference of model benchmarkreferencepage
- Create index weglot_benc_site_id_3689de_idx on field(s) site, url_hash of
model benchmarkreferencepage
- Create index weglot_benc_referen_fa3027_idx on field(s) reference_page, ca
ptured_at of model benchmarkreferencesnapshot
- Create index weglot_benc_referen_98acd2_idx on field(s) reference_page, sn
apshot_type of model benchmarkreferencesnapshot
- Create index weglot_benc_referen_fe5826_idx on field(s) reference_page, is
_benchmarkable of model benchmarkreferencesnapshot
- Create index weglot_benc_referen_60298c_idx on field(s) reference_page, ht
ml_sha1 of model benchmarkreferencesnapshot
- Create index weglot_erro_last_se_152114_idx on field(s) last_seen of model
errorfingerprint
- Create index weglot_erro_count_t_109834_idx on field(s) count_total of mod
el errorfingerprint
- Create index weglot_even_trace_i_871123_idx on field(s) trace, ts of model
eventweglot
- Create index weglot_even_event_t_c49332_idx on field(s) event_type, ts of
model eventweglot
- Create index weglot_even_level_773526_idx on field(s) level, ts of model e
ventweglot
- Create index weglot_i18n_site_id_051d5b_idx on field(s) site, is_active, p
riority of model i18nexclusionrule
- Create index weglot_i18n_site_id_e579f2_idx on field(s) site, dst_lang, is
_active of model i18nexclusionrule
- Create index weglot_trac_site_ke_59dbd7_idx on field(s) site_key, started_
at of model traceweglot
- Create index weglot_trac_site_ke_48be9c_idx on field(s) site_key, status,
started_at of model traceweglot
- Create index weglot_tran_site_id_3b3113_idx on field(s) site, created_at o
f model translationbatchlog
- Create index weglot_tran_site_id_e95329_idx on field(s) site, src, dst, cr
eated_at of model translationbatchlog
- Add field created_by to benchmarkmanualrun
- Add field reference_page to benchmarkmanualrun
- Add field snapshot to benchmarkmanualrun
- Create index weglot_benc_referen_de6ede_idx on field(s) reference_page, st
arted_at of model benchmarkmanualrun
- Create index weglot_benc_referen_777e39_idx on field(s) reference_page, ru
n_label of model benchmarkmanualrun
- Create index weglot_benc_status_b8a1f8_idx on field(s) status, started_at
of model benchmarkmanualrun
guillaume@guillaume-PC MINGW32 /d/wamp5/ideo_lab <weglot_optimisation_1>
$
```

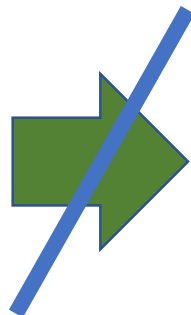
# IDENTIFY EACH INVALID MIGRATIONS

- Create Table : BenchmarkManualRun (Existe déjà)
- AddField : i18nseite (flags, limits) (Existe déjà)
- AddField : translationproject (7 colonnes) (Existe déjà)
- AddField : benchmarkreferencepage (1 colonnes) (Existe déjà)
- AddField : benchmarkreferencesnapshot (1 colonnes) (Existe déjà)
- AddField : i18nexclusionrule (2 colonnes) (Existe déjà)
- AddField : translationbatchlog (1 colonnes) (Existe déjà)
- AddField : translationunit (1 colonnes) (Existe déjà)
- **AddIndex** : benchmarkreferencepage (**3 index miss**) (Manque 3 Idx)
- AddIndex : benchmarkreferencesnapshot (4 indexes) (Existe déjà)
- **AddIndex** : errorfingerprint (**2 index miss**) (Manque 2 Idx)
- **AddIndex** : eventweglot (**3 index miss**) (Manque 3 Idx)
- AddIndex : i18nexclusionrule (2 indexes) (Existe déjà)
- AddField : benchmarkmanualrun (6 colonnes) (Existe déjà)
- **AddIndex** : traceweglot (**2 index miss**) (Manque 2 Idx)

Sever: MySQL\_3306 » Base de données: oxygen\_db6 » Table: we

Parcourir Structure SQL Rechercher Insérer

<input type="checkbox"/>	1	id	bigint(20)
<input type="checkbox"/>	2	reference_page_id	bigint(20)
<input type="checkbox"/>	3	snapshot_id	bigint(20)
<input type="checkbox"/>	4	run_label	varchar(120) utf8mb4_unicode_ci
<input type="checkbox"/>	5	run_mode	varchar(24) utf8mb4_unicode_ci
<input type="checkbox"/>	6	status	varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	7	source_lang	varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	8	target_lang	varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	9	page_map_hit	tinyint(1)
<input type="checkbox"/>	10	page_map_count	int(11)
<input type="checkbox"/>	11	fp_cache_state	varchar(32) utf8mb4_unicode_ci
<input type="checkbox"/>	12	http_status	int(11)
<input type="checkbox"/>	13	html_size_bytes	bigint(20)
<input type="checkbox"/>	14	html_sha1	varchar(40) utf8mb4_unicode_ci
<input type="checkbox"/>	15	dom_signature	varchar(40) utf8mb4_unicode_ci
<input type="checkbox"/>	16	fragment_count	int(11)
<input type="checkbox"/>	17	unique_fragment_count	int(11)
<input type="checkbox"/>	18	source_chars	int(11)
<input type="checkbox"/>	19	unique_source_chars	int(11)
<input type="checkbox"/>	20	fetch_duration_ms	int(11)
<input type="checkbox"/>	21	total_duration_ms	int(11)
<input type="checkbox"/>	22	has_dynamic_markers	tinyint(1)
<input type="checkbox"/>	23	metrics_json	json
<input type="checkbox"/>	24	diagnostics_json	json
<input type="checkbox"/>	25	started_at	datetime(6)
<input type="checkbox"/>	26	finished_at	datetime(6)
<input type="checkbox"/>	27	created_by_id	bigint(20)



```
migrations.CreateModel(
    name='BenchmarkManualRun',
    fields=[
        ('id', models.BigAutoField(auto_created=True, primary_key=True,
        ('run_label', models.CharField(blank=True, db_index=True, defau
        ('run_mode', models.CharField(db_index=True, default='manual',
        ('status', models.CharField(db_index=True, default='pending', m
        ('source_lang', models.CharField(db_index=True, max_length=16))
        ('target_lang', models.CharField(db_index=True, max_length=16))
        ('page_map_hit', models.BooleanField(default=False)),
        ('page_map_count', models.IntegerField(default=0)),
        ('fp_cache_state', models.CharField(blank=True, default='', max
        ('http_status', models.IntegerField(default=0)),
        ('html_size_bytes', models.BigIntegerField(default=0)),
        ('html_sha1', models.CharField(blank=True, db_index=True, defau
        ('dom_signature', models.CharField(blank=True, db_index=True, d
        ('fragment_count', models.IntegerField(default=0)),
        ('unique_fragment_count', models.IntegerField(default=0)),
        ('source_chars', models.IntegerField(default=0)),
        ('unique_source_chars', models.IntegerField(default=0)),
        ('fetch_duration_ms', models.IntegerField(default=0)),
        ('total_duration_ms', models.IntegerField(default=0)),
        ('has_dynamic_markers', models.BooleanField(default=False)),
        ('metrics_json', models.JSONField(blank=True, default=dict)),
        ('diagnostics_json', models.JSONField(blank=True, default=dict)
        ('started_at', models.DateTimeField(db_index=True, default=djan
        ('finished_at', models.DateTimeField(blank=True, null=True)),
    ],
),
```

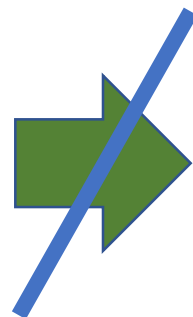
#	Nom	Type	Interclassement	Attributs	Null	Valeur par défaut
<input type="checkbox"/>	1 <b>id</b>	bigint(20)			Non	Aucun(e)
<input type="checkbox"/>	2 <b>code</b>	varchar(64)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	3 <b>domain</b>	varchar(255)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	4 <b>site_key</b>	varchar(128)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	5 <b>source_lang</b>	varchar(16)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	6 <b>default_lang</b>	varchar(16)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	7 <b>endpoint_batch</b>	varchar(255)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	8 <b>site_key_header</b>	varchar(64)	utf8mb4_unicode_ci		Non	Aucun(e)
<input type="checkbox"/>	9 <b>observe</b>	tinyint(1)			Non	Aucun(e)
<input type="checkbox"/>	10 <b>debug</b>	tinyint(1)			Non	Aucun(e)
<input type="checkbox"/>	11 <b>is_active</b>	tinyint(1)			Non	Aucun(e)
<input type="checkbox"/>	12 <b>flags</b>	json			Non	Aucun(e)
<input type="checkbox"/>	13 <b>limits</b>	json			Non	Aucun(e)
<input type="checkbox"/>	14 <b>debug_enabled</b>	tinyint(1)			Non	Aucun(e)

Tout cocher Avec la sélection :  Parcourir Modifier Supprimer

Imprimer Suggérer des optimisations de structure Déplacer des colonnes

Ajouter  colonne(s)

Action	Nom de l'index	Type	Unique	Compressé
Éditer  Supprimer	PRIMARY	BTREE	Oui	Non
Éditer  Supprimer	weglot_i18nsite_code_ebf5160c	BTREE	Non	Non



```

),
migrations.AddField(
    model_name='i18nsite',
    name='flags',
    field=models.JSONField(blank=True, default=dict),
),
migrations.AddField(
    model_name='i18nsite',
    name='limits',
    field=models.JSONField(blank=True, default=dict),
),

```

#	Nom	Type	Interclassement	Attributs	Null	Valeur par défaut	Col
<input type="checkbox"/>	1	id			Non	Aucun(e)	
<input type="checkbox"/>	2	name			Non	Aucun(e)	
<input type="checkbox"/>	3	slug			Non	Aucun(e)	
<input type="checkbox"/>	4	base_url			Non	Aucun(e)	
<input type="checkbox"/>	5	default_language			Non	Aucun(e)	
<input type="checkbox"/>	6	enabled_languages			Non	Aucun(e)	
<input type="checkbox"/>	7	api_key			Non	Aucun(e)	
<input type="checkbox"/>	8	plan			Non	Aucun(e)	
<input type="checkbox"/>	9	is_active			Non	Aucun(e)	
<input type="checkbox"/>	10	created_at			Non	Aucun(e)	
<input type="checkbox"/>	11	domain			Non	Aucun(e)	
<input type="checkbox"/>	12	month_key			Non	Aucun(e)	
<input type="checkbox"/>	13	monthly_char_limit			Non	Aucun(e)	
<input type="checkbox"/>	14	monthly_char_used			Non	Aucun(e)	
<input type="checkbox"/>	15	owner_id			Oui	NULL	
<input type="checkbox"/>	16	publishable_key			Non	Aucun(e)	
<input type="checkbox"/>	17	secret_key			Non	Aucun(e)	

Tout cocher Avec la sélection : Parcourir Modifier Supprimer Prim

Imprimer Suggérer des optimisations de structure Déplacer des colonnes

Ajouter 1 colonne(s) après secret\_key Exécuter

Index

Action	Nom de l'index	Type	Unique	Compres
Éditer  Supprimer	PRIMARY	BTREE	Oui	Non
Éditer  Supprimer	weglot_translationproject_slug_94806fa2	BTREE	Non	Non
Éditer  Supprimer	weglot_translationproject_owner_id_15330196	BTREE	Non	Non



```
migrations.AddField(
    model_name='translationproject',
    name='domain',
    field=models.CharField(blank=True, default='', max_length=255),
),
migrations.AddField(
    model_name='translationproject',
    name='month_key',
    field=models.CharField(default='2026-01', max_length=7),
),
migrations.AddField(
    model_name='translationproject',
    name='monthly_char_limit',
    field=models.IntegerField(default=200000),
),
migrations.AddField(
    model_name='translationproject',
    name='monthly_char_used',
    field=models.IntegerField(default=0),
),
migrations.AddField(
    model_name='translationproject',
    name='owner',
    field=models.ForeignKey(blank=True, null=True, on_delete=django.db
),
migrations.AddField(
    model_name='translationproject',
    name='publishable_key',
    field=models.CharField(default=weglot.models.default_publishable_k
),
migrations.AddField(
    model_name='translationproject',
    name='secret_key',
    field=models.CharField(default=weglot.models.default_secret_key, m
```

#	Nom	Type	Interclassement	Attribu
<input type="checkbox"/>	1	id		bigint(20)
<input type="checkbox"/>	2	name		varchar(120) utf8mb4_unicode_ci
<input type="checkbox"/>	3	slug		varchar(140) utf8mb4_unicode_ci
<input type="checkbox"/>	4	kind		varchar(32) utf8mb4_unicode_ci
<input type="checkbox"/>	5	status		varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	6	canonical_url		varchar(1024) utf8mb4_unicode_ci
<input type="checkbox"/>	7	canonical_path		varchar(512) utf8mb4_unicode_ci
<input type="checkbox"/>	8	url_hash		varchar(40) utf8mb4_unicode_ci
<input type="checkbox"/>	9	source_lang		varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	10	target_lang		varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	11	is_official_reference		tinyint(1)
<input type="checkbox"/>	12	is_active		tinyint(1)
<input type="checkbox"/>	13	auto_refresh_enabled		tinyint(1)
<input type="checkbox"/>	14	last_registered_at		datetime(6)
<input type="checkbox"/>	15	last_validated_at		datetime(6)
<input type="checkbox"/>	16	notes		longtext utf8mb4_unicode_ci
<input type="checkbox"/>	17	extra		json
<input type="checkbox"/>	18	created_at		datetime(6)
<input type="checkbox"/>	19	updated_at		datetime(6)
<input type="checkbox"/>	20	created_by_id		bigint(20)
<input type="checkbox"/>	21	site_id		bigint(20)
<input type="checkbox"/>	22	updated_by_id		bigint(20)



```
migrations.AlterField(
    model_name='benchmarkreferencepage',
    name='canonical_path',
    field=models.CharField(max_length=512),
),
```

<input type="checkbox"/>	1	id 🔑	bigint(20)	
<input type="checkbox"/>	2	snapshot_type 🔑	varchar(32)	utf8mb4_unicode_ci
<input type="checkbox"/>	3	http_status	int(11)	
<input type="checkbox"/>	4	final_url	varchar(1024)	utf8mb4_unicode_ci
<input type="checkbox"/>	5	final_path	varchar(512)	utf8mb4_unicode_ci
<input type="checkbox"/>	6	html_size_bytes	bigint(20)	
<input type="checkbox"/>	7	html_sha1 🔑	varchar(40)	utf8mb4_unicode_ci
<input type="checkbox"/>	8	content_language	varchar(32)	utf8mb4_unicode_ci
<input type="checkbox"/>	9	fp_cache_state	varchar(32)	utf8mb4_unicode_ci
<input type="checkbox"/>	10	page_map_hit	tinyint(1)	
<input type="checkbox"/>	11	page_map_count	int(11)	
<input type="checkbox"/>	12	fragment_count	int(11)	
<input type="checkbox"/>	13	unique_fragment_count	int(11)	
<input type="checkbox"/>	14	source_chars	int(11)	
<input type="checkbox"/>	15	unique_source_chars	int(11)	
<input type="checkbox"/>	16	has_query_string	tinyint(1)	
<input type="checkbox"/>	17	has_dynamic_markers	tinyint(1)	
<input type="checkbox"/>	18	has_authenticated_markers	tinyint(1)	
<input type="checkbox"/>	19	is_benchmarkable 🔑	tinyint(1)	
<input type="checkbox"/>	20	dom_signature	varchar(40)	utf8mb4_unicode_ci
<input type="checkbox"/>	21	extraction_version	varchar(32)	utf8mb4_unicode_ci
<input type="checkbox"/>	22	headers_json	json	
<input type="checkbox"/>	23	metrics_json	json	
<input type="checkbox"/>	24	diagnostics_json	json	
<input type="checkbox"/>	25	captured_at 🔑	datetime(6)	
<input type="checkbox"/>	26	reference_page_id 🔑	bigint(20)	



```
migrations.AlterField(  
    model_name='benchmarkreferencesnapshot',  
    name='final_path',  
    field=models.CharField(blank=True, default='', max_length=512),  
)
```

Serveur: MySQL:3306 » Base de données: oxygen\_db6 »

Parcourir Structure SQL Rechercher

#	Nom	Type	Interclassement	Attributs
<input type="checkbox"/>	1	id		bigint(20)
<input type="checkbox"/>	2	is_active		tinyint(1)
<input type="checkbox"/>	3	priority		int(11)
<input type="checkbox"/>	4	action		varchar(8) utf8mb4_unicode_ci
<input type="checkbox"/>	5	src_lang		varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	6	dst_lang		varchar(16) utf8mb4_unicode_ci
<input type="checkbox"/>	7	url_mode		varchar(8) utf8mb4_unicode_ci
<input type="checkbox"/>	8	url_pattern		longtext utf8mb4_unicode_ci
<input type="checkbox"/>	9	selector_type		varchar(8) utf8mb4_unicode_ci
<input type="checkbox"/>	10	selector		varchar(512) utf8mb4_unicode_ci
<input type="checkbox"/>	11	note		varchar(255) utf8mb4_unicode_ci
<input type="checkbox"/>	12	hit_count		int(11)
<input type="checkbox"/>	13	last_hit_at		datetime(6)
<input type="checkbox"/>	14	created_at		datetime(6)
<input type="checkbox"/>	15	updated_at		datetime(6)
<input type="checkbox"/>	16	site_id		bigint(20)

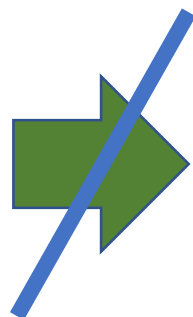


```

migrations.AlterField(
    model_name='i18nexclusionrule',
    name='action',
    field=models.CharField(choices=[('exclude', 'Exclude'), ('include',
)],
migrations.AlterField(
    model_name='i18nexclusionrule',
    name='url_mode',
    field=models.CharField(choices=[('all', 'All'), ('exact', 'Exact'),
)],

```

	#	Nom	Type	Interclassement	Attributs
<input type="checkbox"/>	1	id	bigint(20)		
<input type="checkbox"/>	2	created_at	datetime(6)		
<input type="checkbox"/>	3	page	varchar(512) utf8mb4_unicode_ci		
<input type="checkbox"/>	4	src	varchar(16) utf8mb4_unicode_ci		
<input type="checkbox"/>	5	dst	varchar(16) utf8mb4_unicode_ci		
<input type="checkbox"/>	6	engine	varchar(32) utf8mb4_unicode_ci		
<input type="checkbox"/>	7	dry_run	tinyint(1)		
<input type="checkbox"/>	8	received_fragments	int(11)		
<input type="checkbox"/>	9	cleaned	int(11)		
<input type="checkbox"/>	10	missing	int(11)		
<input type="checkbox"/>	11	chars_in	int(11)		
<input type="checkbox"/>	12	uniq_texts	int(11)		
<input type="checkbox"/>	13	uniq_chars	int(11)		
<input type="checkbox"/>	14	duration_ms	int(11)		
<input type="checkbox"/>	15	status_code	int(11)		
<input type="checkbox"/>	16	error_code	varchar(64) utf8mb4_unicode_ci		
<input type="checkbox"/>	17	meta	json		
<input type="checkbox"/>	18	site_id	bigint(20)		



```
...
migrations.AlterField(
    model_name='translationbatchlog',
    name='page',
    field=models.CharField(blank=True, default='', max_length=512),
    ...
)
```

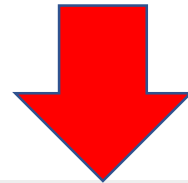
Structure de table Vue relationnelle

#	Nom	Type	Interclassement	Attributs
<input type="checkbox"/>	1 id	bigint(20)		
<input type="checkbox"/>	2 site	varchar(64)	utf8mb4_unicode_ci	
<input type="checkbox"/>	3 src_lang	varchar(12)	utf8mb4_unicode_ci	
<input type="checkbox"/>	4 dst_lang	varchar(12)	utf8mb4_unicode_ci	
<input type="checkbox"/>	5 key_hash	varchar(64)	utf8mb4_unicode_ci	
<input type="checkbox"/>	6 src_text_norm	longtext	utf8mb4_unicode_ci	
<input type="checkbox"/>	7 ctx_fingerprint	varchar(255)	utf8mb4_unicode_ci	
<input type="checkbox"/>	8 dst_text	longtext	utf8mb4_unicode_ci	
<input type="checkbox"/>	9 engine	varchar(32)	utf8mb4_unicode_ci	
<input type="checkbox"/>	10 quality	varchar(16)	utf8mb4_unicode_ci	
<input type="checkbox"/>	11 hit_count	int(10)		UNSIGNED
<input type="checkbox"/>	12 last_seen_at	datetime(6)		
<input type="checkbox"/>	13 created_at	datetime(6)		
<input type="checkbox"/>	14 updated_at	datetime(6)		
<input type="checkbox"/>	15 meta	json		
<input type="checkbox"/>	16 project_id	bigint(20)		











```
migrations.AlterField(  
    model_name='translationunit',  
    name='key_hash',  
    field=models.CharField(blank=True, db_index=True, default='', max_l  
)
```

```
),
migrations.AddIndex(
    model_name='benchmarkreferencepage',
    index=models.Index(fields=['site', 'status', 'is_active'], name='weglot_benc_site_id_bd6be9_idx'),
),
migrations.AddIndex(
    model_name='benchmarkreferencepage',
    index=models.Index(fields=['site', 'source_lang', 'target_lang'], name='weglot_benc_site_id_22a1ff_idx'),
),
migrations.AddIndex(
    model_name='benchmarkreferencepage',
    index=models.Index(fields=['site', 'is_official_reference'], name='weglot_benc_site_id_fb07af_idx'),
),
migrations.AddIndex(
    model_name='benchmarkreferencepage',
    index=models.Index(fields=['site', 'url_hash'], name='weglot_benc_site_id_3689de_idx'),
),
```



3 Indexs Missing !!

Action	Nom de l'index
 Éditer  Supprimer	PRIMARY
 Éditer  Supprimer	weglot_benchmarkrefe_created_by_id_23fc9c75_fk_user_user
 Éditer  Supprimer	weglot_benchmarkrefe_updated_by_id_cc3dd94d_fk_user_user
 Éditer  Supprimer	weglot_benc_site_id_bd6be9_idx

```

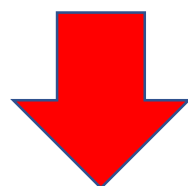
migrations.AddIndex(
    model_name='benchmarkreferencesnapshot',
    index=models.Index(fields=['reference_page', 'captured_at'], name='weglot_benc_referen_fa3827_idx'), # == ok ==
),
migrations.AddIndex(
    model_name='benchmarkreferencesnapshot',
    index=models.Index(fields=['reference_page', 'snapshot_type'], name='weglot_benc_referen_98acd2_idx'), # == ok ==
),
migrations.AddIndex(
    model_name='benchmarkreferencesnapshot',
    index=models.Index(fields=['reference_page', 'is_benchmarkable'], name='weglot_benc_referen_fe5826_idx'), #== ok ==
),
migrations.AddIndex(
    model_name='benchmarkreferencesnapshot',
    index=models.Index(fields=['reference_page', 'html_sha1'], name='weglot_benc_referen_60298c_idx'), # == ok ==
),

```



Action	Nom de l'index	Type	Unique	Compressé	Colonne	Cardinalité	Interclassement	Null
Éditer  Supprimer	PRIMARY	BTREE	Oui	Non	id	0	A	Non
Éditer  Supprimer	weglot_benc_referen_fa3827_idx	BTREE	Non	Non	reference_page_id captured_at	A A	A A	Non Non
Éditer  Supprimer	weglot_benc_referen_98acd2_idx	BTREE	Non	Non	reference_page_id snapshot_type	A A	A A	Non Non
Éditer  Supprimer	weglot_benc_referen_fe5826_idx	BTREE	Non	Non	reference_page_id is_benchmarkable	A A	A A	Non Non
Éditer  Supprimer	weglot_benc_referen_60298c_idx	BTREE	Non	Non	reference_page_id html_sha1	A A	A A	Non Non

```
migrations.AddIndex(  
    model_name='errorfingerprint',  
    index=models.Index(fields=['last_seen'], name='weglot_erro_last_se_152114_idx'),  
),  
migrations.AddIndex(  
    model_name='errorfingerprint',  
    index=models.Index(fields=['count_total'], name='weglot_erro_count_t_109834_idx'),  
),
```



Index ?

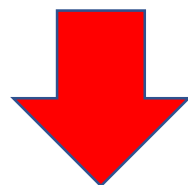
Action	Nom de l'index	Type	Unique	Compressé	Colonne	Cardinalité	Interclassement	Null	Commentaire
Éditer  Supprimer	<b>PRIMARY</b>	BTREE	Oui	Non	fingerprint	0	A	Non	











Créer un index sur  colonnes

```

migrations.AddIndex(
    model_name='eventweglot',
    index=models.Index(fields=['trace', 'ts'], name='weglot_event_trace_i_871123_idx'),
),
migrations.AddIndex(
    model_name='eventweglot',
    index=models.Index(fields=['event_type', 'ts'], name='weglot_event_event_t_c49332_idx'),
),
migrations.AddIndex(
    model_name='eventweglot',
    index=models.Index(fields=['level', 'ts'], name='weglot_event_level_773526_idx'),
),

```



Action		Nom de l'index	Type	Unique	Compressé	Colonne	Cardinalité	Interclassement	Null	Commentai
 Éditer	 Supprimer	PRIMARY	BTREE	Oui	Non	id	0	A	Non	
 Éditer	 Supprimer	weglot_eventweglot_ts_9c96020e	BTREE	Non	Non	ts		A	Non	
 Éditer	 Supprimer	weglot_eventweglot_level_f9d189f8	BTREE	Non	Non	level		A	Non	
 Éditer	 Supprimer	weglot_eventweglot_event_type_fbcbc434	BTREE	Non	Non	event_type		A	Non	
 Éditer	 Supprimer	weglot_eventweglot_trace_id_ef22cd39	BTREE	Non	Non	trace_id		A	Oui	

```

migrations.AddIndex(
    model_name='i18nexclusionrule',
    index=models.Index(fields=['site', 'is_active', 'priority'], name='weglot_i18n_site_id_051d5b_idx'),
),
migrations.AddIndex(
    model_name='i18nexclusionrule',
    index=models.Index(fields=['site', 'dst_lang', 'is_active'], name='weglot_i18n_site_id_e579f2_idx'),
),

```



Index ⓘ									
Action	Nom de l'index	Type	Unique	Compressé	Colonne	Cardinalité	Interclassement	Null	Commentaire
Éditer ⚙️ Supprimer ⛔	PRIMARY	BTREE	Oui	Non	id	0	A	Non	
Éditer ⚙️ Supprimer ⛔	weglot_i18n_site_id_051d5b_idx	BTREE	Non	Non	site_id is_active priority	A A A	A	Non Non Non	
Éditer ⚙️ Supprimer ⛔	weglot_i18n_site_id_e579f2_idx	BTREE	Non	Non	site_id dst_lang is_active	A A A	A	Non Non Non	
Éditer ⚙️ Supprimer ⛔	weglot_i18nexclusionrule_site_id_aba65a41	BTREE	Non	Non	site_id	A	A	Non	

<input type="checkbox"/>	1	id	bigint(20)	No
<input type="checkbox"/>	2	reference_page_id	bigint(20)	No
<input type="checkbox"/>	3	snapshot_id	bigint(20)	Ou
<input type="checkbox"/>	4	run_label	varchar(120) utf8mb4_unicode_ci	No
<input type="checkbox"/>	5	run_mode	varchar(24) utf8mb4_unicode_ci	No
<input type="checkbox"/>	6	status	varchar(16) utf8mb4_unicode_ci	No
<input type="checkbox"/>	7	source_lang	varchar(16) utf8mb4_unicode_ci	No
<input type="checkbox"/>	8	target_lang	varchar(16) utf8mb4_unicode_ci	No
<input type="checkbox"/>	9	page_map_hit	tinyint(1)	No
<input type="checkbox"/>	10	page_map_count	int(11)	No
<input type="checkbox"/>	11	fp_cache_state	varchar(32) utf8mb4_unicode_ci	No
<input type="checkbox"/>	12	http_status	int(11)	No
<input type="checkbox"/>	13	html_size_bytes	bigint(20)	No
<input type="checkbox"/>	14	html_sha1	varchar(40) utf8mb4_unicode_ci	No
<input type="checkbox"/>	15	dom_signature	varchar(40) utf8mb4_unicode_ci	No
<input type="checkbox"/>	16	fragment_count	int(11)	No
<input type="checkbox"/>	17	unique_fragment_count	int(11)	No
<input type="checkbox"/>	18	source_chars	int(11)	No
<input type="checkbox"/>	19	unique_source_chars	int(11)	No
<input type="checkbox"/>	20	fetch_duration_ms	int(11)	No
<input type="checkbox"/>	21	total_duration_ms	int(11)	No
<input type="checkbox"/>	22	has_dynamic_markers	tinyint(1)	No
<input type="checkbox"/>	23	metrics_json	json	No
<input type="checkbox"/>	24	diagnostics_json	json	No
<input type="checkbox"/>	25	started_at	datetime(6)	No
<input type="checkbox"/>	26	finished_at	datetime(6)	Ou
<input type="checkbox"/>	27	created_by_id	bigint(20)	Ou

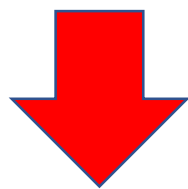


```

migrations.AddField(
    model_name='benchmarkmanualrun',
    name='created_by',
    field=models.ForeignKey(blank=True, null=True, on_delete=django.db.mo
),
migrations.AddField(
    model_name='benchmarkmanualrun',
    name='reference_page',
    field=models.ForeignKey(on_delete=django.db.models.deletion.CASCADE,
),
migrations.AddField(
    model_name='benchmarkmanualrun',
    name='snapshot',
    field=models.ForeignKey(blank=True, null=True, on_delete=django.db.mo
),
migrations.AddIndex(
    model_name='benchmarkmanualrun',
    index=models.Index(fields=['reference_page', 'started_at'], name='weg
),
migrations.AddIndex(
    model_name='benchmarkmanualrun',
    index=models.Index(fields=['reference_page', 'run_label'], name='wegl
),
migrations.AddIndex(
    model_name='benchmarkmanualrun',
    index=models.Index(fields=['status', 'started_at'], name='weglot_benc
),

```

```
migrations.AddIndex(
    model_name='tracewelog',
    index=models.Index(fields=['site_key', 'started_at'], name='welog_trac_
),
migrations.AddIndex(
    model_name='tracewelog',
    index=models.Index(fields=['site_key', 'status', 'started_at'], name='welog_
),
```



Action	Nom de l'index	Type	Unique	Compressé	Colonne	Cardinalité	Interclas
Éditer  Supprimer	PRIMARY	BTREE	Oui	Non	id	0	A
Éditer  Supprimer	welog_tracewelog_site_key_1e06b762	BTREE	Non	Non	site_key		A
Éditer  Supprimer	welog_tracewelog_mode_35778118	BTREE	Non	Non	mode		A
Éditer  Supprimer	welog_tracewelog_started_at_1f4371f4	BTREE	Non	Non	started_at		A
Éditer  Supprimer	welog_tracewelog_status_2d560196	BTREE	Non	Non	status		A
Éditer  Supprimer	welog_tracewelog_request_id_fa14f4a5	BTREE	Non	Non	request_id		A
Éditer  Supprimer	welog_tracewelog_session_key_5a68ce21	BTREE	Non	Non	session_key		A

