Datashield Solutions

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Welcome to the Datashield Solutions backend documentation. This guide provides comprehensive information about our system, its components, and how to use them effectively.

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1.1 Core's Documentation

This module handles the root details within the application.

1.2 Audit Log Documentation

This module handles the logging of audit events within the application.

class audit_log.models.**AuditLog**(*args*, ***kwargs*)

> Bases: `Model`
>
> Model representing an audit log entry for actions performed in the system.
>
> `ACTION_CHOICES = [('CREATE', 'Create'), ('READ', 'Read'), ('UPDATE', 'Update'), ('DELETE', 'Delete'), ('LOGIN', 'Login'), ('LOGOUT', 'Logout'), ('EXPORT', 'Export Data'), ('IMPORT', 'Import Data'), ('COMPLIANCE_CHECK', 'Compliance Check')]`
>
> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`
>
> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`
>
> **action**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **action_description**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **additional_data**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **affected_resource**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **compliance_notes**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

created_at

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_action_display(*, *field=<django.db.models.fields.CharField: action>*)

get_next_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)

get_previous_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

id

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

ip_address

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_compliant

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

classmethod **log_action**(*organization*, *user*, *action*, *description*, *resource*, *ip_address=None*, *is_compliant=True*, *compliance_notes=''*)

> Log an action performed in the system.
>
> > **Parameters**
> >
> > - **organization** ([Organization](#)) – The organization related to the action.
> > - **user** ([User](#)) – The user who performed the action.
> > - **action** (`str`) – The action performed.
> > - **description** (`str`) – Description of the action.
> > - **resource** (`str`) – The resource affected by the action.
> > - **ip_address** (`str, optional`) – IP address from which the action was performed. Defaults to None.
> > - **is_compliant** (`bool, optional`) – Indicates if the action was compliant. Defaults to True.
> > - **compliance_notes** (`str, optional`) – Notes regarding compliance. Defaults to an empty string.
> >
> > **Returns**
> > The created audit log entry.
> >
> > **Return type**
> > *[AuditLog](#)*

objects = <django.db.models.manager.Manager object>

organization

> Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOneToOneDescriptor subclass) relation.
>
> In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

user

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

user_id

audit_log.views.**audit_log_detail**(*request*, *slug*)

View to retrieve a specific audit log by slug.

audit_log.views.**audit_log_list**(*request*)

View to list all audit logs.

audit_log.views.**log_action_view**(*request*)

View to log a new action.

class audit_log.forms.**AuditLogForm**(*data=None*, *files=None*, *auto_id='id_%s'*, *prefix=None*, *initial=None*, *error_class=<class 'django.forms.utils.ErrorList'>*, *label_suffix=None*, *empty_permitted=False*, *instance=None*, *use_required_attribute=None*, *renderer=None*)

Bases: ModelForm

class Meta

Bases: object

fields = ['organization', 'user', 'action', 'action_description', 'affected_resource', 'ip_address', 'is_compliant', 'compliance_notes', 'additional_data']

model

alias of *AuditLog*

base_fields = {'action': <django.forms.fields.TypedChoiceField object>, 'action_description': <django.forms.fields.CharField object>, 'additional_data': <django.forms.fields.JSONField object>, 'affected_resource': <django.forms.fields.CharField object>, 'compliance_notes': <django.forms.fields.CharField object>, 'ip_address': <django.forms.fields.GenericIPAddressField object>, 'is_compliant': <django.forms.fields.BooleanField object>, 'organization': <django.forms.models.ModelChoiceField object>, 'user': <django.forms.models.ModelChoiceField object>}

declared_fields = {}

---

property media

> Return all media required to render the widgets on this form.

1.3 Authentication Documentation

This module provides authentication mechanisms for users.

class authentication.models.**Organization**(*args*, **kwargs*)

> Bases: `Model`
>
> Model representing an organization.
>
> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`
>
> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`
>
> **address**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **auditlog_set**
>
> > Accessor to the related objects manager on the reverse side of a many-to-one relation.
> >
> > In the example:
> >
> > ```
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```
> >
> > `Parent.children` is a `ReverseManyToOneDescriptor` instance.
> >
> > Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.
>
> **company_size**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **complianceaudit_set**
>
> > Accessor to the related objects manager on the reverse side of a many-to-one relation.
> >
> > In the example:
> >
> > ```
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```
> >
> > `Parent.children` is a `ReverseManyToOneDescriptor` instance.
> >
> > Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.
>
> **compliancedocument_set**
>
> > Accessor to the related objects manager on the reverse side of a many-to-one relation.
> >
> > In the example:
> >
> > ```
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

compliancereport_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

compliancestatus_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

contact_email

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

contact_number

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

contact_person

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

created_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

databreachreport_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

dataprocessingactivity_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

dpia_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

get_next_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)

get_next_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=True*, ***kwargs*)

get_previous_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

get_previous_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

industry

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

name

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

save(*args*, ***kwargs*)

Override save method to generate slug from organization name.

scheduledreport_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

slug

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

updated_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

users

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

class authentication.models.**User**(*args*, ***kwargs*)

Bases: `AbstractBaseUser`, `PermissionsMixin`

Custom User model.

exception DoesNotExist

Bases: `ObjectDoesNotExist`

exception MultipleObjectsReturned

Bases: `MultipleObjectsReturned`

REQUIRED_FIELDS = ['first_name', 'last_name', 'organization']

USERNAME_FIELD = 'email'

approvalworkflow_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

auditlog_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

complianceaudit_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

compliancedocument_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Parent.children` is a `ReverseManyToOneDescriptor` instance.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

created_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

email

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

first_name

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_full_name()

Return the full name of the user.

get_next_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, **kwargs*)

get_next_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=True*, **kwargs*)

get_previous_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>,*
is_next=False, ***kwargs*)

get_previous_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>,*
is_next=False, ***kwargs*)

get_short_name()
> Return the short name of the user.

groups
> Accessor to the related objects manager on the forward and reverse sides of a many-to-many relation.
>
> In the example:

```python
class Pizza(Model):
    toppings = ManyToManyField(Topping, related_name='pizzas')
```

> `Pizza.toppings` and `Topping.pizzas` are `ManyToManyDescriptor` instances.
>
> Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

id
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

incident_set
> Accessor to the related objects manager on the reverse side of a many-to-one relation.
>
> In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

> `Parent.children` is a `ReverseManyToOneDescriptor` instance.
>
> Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

is_active
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_staff
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_superuser
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

last_login
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

last_name
> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

```
objects = <authentication.models.UserManager object>
```

organization

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

password

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

policy_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Parent.children is a ReverseManyToOneDescriptor instance.

Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

policyversion_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Parent.children is a ReverseManyToOneDescriptor instance.

Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

save(*args*, ***kwargs*)

Override save method to generate slug from email.

slug

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

updated_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

user_permissions

Accessor to the related objects manager on the forward and reverse sides of a many-to-many relation.

In the example:

```
class Pizza(Model):
    toppings = ManyToManyField(Topping, related_name='pizzas')
```

`Pizza.toppings` and `Topping.pizzas` are `ManyToManyDescriptor` instances.

Most of the implementation is delegated to a dynamically defined manager class built by `create_forward_many_to_many_manager()` defined below.

class authentication.models.**UserManager**(*args*, ***kwargs*)

Bases: `BaseUserManager`

Manager for the custom User model.

create_superuser(*email*, *first_name*, *last_name*, *organization*, *password*)

Create and return a superuser with an email, first name, last name, organization, and password.

create_user(*email*, *first_name*, *last_name*, *organization*, *password=None*)

Create and return a user with an email, first name, last name, organization, and password.

authentication.views.**organization_detail**(*request*, *slug*)

authentication.views.**organization_list**(*request*)

authentication.views.**organization_register**(*request*)

authentication.views.**user_detail**(*request*, *slug*)

authentication.views.**user_list**(*request*)

authentication.views.**user_login**(*request*)

authentication.views.**user_register**(*request*)

class authentication.forms.**OrganizationRegistrationForm**(*data=None*, *files=None*, *auto_id='id_%s'*, *prefix=None*, *initial=None*, *error_class=<class 'django.forms.utils.ErrorList'>*, *label_suffix=None*, *empty_permitted=False*, *instance=None*, *use_required_attribute=None*, *renderer=None*)

Bases: `ModelForm`

class **Meta**

Bases: `object`

fields = ['name', 'address', 'contact_person', 'contact_email', 'contact_number', 'industry', 'company_size']

model

alias of `Organization`

base_fields = {'address': <django.forms.fields.CharField object>, 'company_size': <django.forms.fields.CharField object>, 'contact_email': <django.forms.fields.CharField object>, 'contact_number': <django.forms.fields.CharField object>, 'contact_person': <django.forms.fields.CharField object>, 'industry': <django.forms.fields.CharField object>, 'name': <django.forms.fields.CharField object>}

```
declared_fields = {}
```

property media

Return all media required to render the widgets on this form.

class authentication.forms.**UserRegistrationForm**(*data=None*, *files=None*, *auto_id='id_%s'*, *prefix=None*, *initial=None*, *error_class=<class 'django.forms.utils.ErrorList'>*, *label_suffix=None*, *empty_permitted=False*, *instance=None*, *use_required_attribute=None*, *renderer=None*)

Bases: ModelForm

class Meta

Bases: object

```
fields = ['email', 'first_name', 'last_name', 'organization', 'password']
```

model

alias of *User*

```
widgets = {'password':  <django.forms.widgets.PasswordInput object>}
```

```
base_fields = {'email':  <django.forms.fields.EmailField object>, 'first_name':
<django.forms.fields.CharField object>, 'last_name':  <django.forms.fields.CharField
object>, 'organization':  <django.forms.models.ModelChoiceField object>, 'password':
<django.forms.fields.CharField object>}
```

```
declared_fields = {}
```

property media

Return all media required to render the widgets on this form.

save(*commit=True*)

Save this form's self.instance object if commit=True. Otherwise, add a save_m2m() method to the form which can be called after the instance is saved manually at a later time. Return the model instance.

1.4 Compliance Management Documentation

This module manages compliance-related functionalities.

class compliance_management.models.**ComplianceDocument**(**args*, ***kwargs*)

Bases: Model

Model representing a compliance document uploaded by an organization.

exception DoesNotExist

Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

Bases: MultipleObjectsReturned

document_type

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

expiry_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

file

The descriptor for the file attribute on the model instance. Return a FieldFile when accessed so you can write code like:

```
>>> from myapp.models import MyModel
>>> instance = MyModel.objects.get(pk=1)
>>> instance.file.size
```

Assign a file object on assignment so you can do:

```
>>> with open('/path/to/hello.world') as f:
...     instance.file = File(f)
```

get_next_by_upload_date(*, *field=<django.db.models.fields.DateTimeField: upload_date>,*
is_next=True, **kwargs)

get_previous_by_upload_date(*, *field=<django.db.models.fields.DateTimeField: upload_date>,*
is_next=False, **kwargs)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

organization

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Child.parent` is a `ForwardManyToOneDescriptor` instance.

organization_id

title

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

upload_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

uploaded_by

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

uploaded_by_id

class compliance_management.models.**ComplianceReport**(**args*, ***kwargs*)

Bases: Model

Model representing a compliance report generated for an organization.

exception DoesNotExist

Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

Bases: MultipleObjectsReturned

file

The descriptor for the file attribute on the model instance. Return a FieldFile when accessed so you can write code like:

```
>>> from myapp.models import MyModel
>>> instance = MyModel.objects.get(pk=1)
>>> instance.file.size
```

Assign a file object on assignment so you can do:

```
>>> with open('/path/to/hello.world') as f:
...     instance.file = File(f)
```

filters

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

generated_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_next_by_generated_at(***, *field=<django.db.models.fields.DateTimeField: generated_at>*, *is_next=True*, ***kwargs*)

get_previous_by_generated_at(***, *field=<django.db.models.fields.DateTimeField: generated_at>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

organization

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

report_type

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class compliance_management.models.**ComplianceStatus**(*args*, ***kwargs*)

Bases: Model

Model representing the compliance status of an organization.

COMPLIANCE_STATUS_CHOICES = [('compliant', 'Compliant'), ('non-compliant', 'Non-Compliant')]

exception DoesNotExist

> Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

> Bases: MultipleObjectsReturned

compliance_status

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

data_protection_regulations

> Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
>
> In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

> Child.parent is a ForwardManyToOneDescriptor instance.

data_protection_regulations_id

get_compliance_status_display(***, *field=<django.db.models.fields.CharField: compliance_status>*)

get_next_by_last_checked_at(***, *field=<django.db.models.fields.DateTimeField: last_checked_at>*, *is_next=True*, ***kwargs*)

get_previous_by_last_checked_at(***, *field=<django.db.models.fields.DateTimeField: last_checked_at>*, *is_next=False*, ***kwargs*)

id

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

last_checked_at

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

```
objects = <django.db.models.manager.Manager object>
```

organization

> Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
>
> In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

> Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

class compliance_management.models.**DPIA**(*args*, ***kwargs*)

> Bases: Model

> Model representing a Data Protection Impact Assessment (DPIA).

exception DoesNotExist

> Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

> Bases: MultipleObjectsReturned

created_at

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

data_types

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

description

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_next_by_created_at(***, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)

get_previous_by_created_at(***, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

id

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

```
objects = <django.db.models.manager.Manager object>
```

organization

> Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
>
> In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

project_name

    A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

risks

    A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class compliance_management.models.**DataProcessingActivity**(**args*, ***kwargs*)

    Bases: Model

    Model representing a data processing activity conducted by an organization.

    exception DoesNotExist

        Bases: ObjectDoesNotExist

    exception MultipleObjectsReturned

        Bases: MultipleObjectsReturned

    activity_name

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    data_categories

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    data_subjects

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    get_next_by_last_reviewed(***, *field=<django.db.models.fields.DateField: last_reviewed>*, *is_next=True*, ***kwargs*)

    get_previous_by_last_reviewed(***, *field=<django.db.models.fields.DateField: last_reviewed>*, *is_next=False*, ***kwargs*)

    id

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    is_high_risk

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    last_reviewed

        A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

    objects = <django.db.models.manager.Manager object>

    organization

        Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

        In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

purpose

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

retention_period

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

security_measures

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class compliance_management.models.**DataProtectionRegulation**(*args*, **kwargs*)

Bases: Model

Model representing a data protection regulation.

exception DoesNotExist

Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

Bases: MultipleObjectsReturned

compliancestatus_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Parent.children is a ReverseManyToOneDescriptor instance.

Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

description

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

jurisdiction

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

kenyadpa_set

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Parent.children is a ReverseManyToOneDescriptor instance.

Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

name

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

class compliance_management.models.**Incident**(*args*, ***kwargs*)

Bases: Model

Model representing an incident report.

exception DoesNotExist

Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

Bases: MultipleObjectsReturned

date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

description

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_next_by_date(*, *field=<django.db.models.fields.DateField: date>*, *is_next=True*, ***kwargs*)

get_previous_by_date(*, *field=<django.db.models.fields.DateField: date>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

reported_by

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOneToOneDescriptor subclass) relation.

In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

reported_by_id

class compliance_management.models.**KenyaDPA**(**args*, ***kwargs*)

> Bases: `Model`

> Model representing the data protection regulations specific to Kenya.

> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`

> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`

> **category**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

> **data_protection_regulation_id**
>
> > Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
> >
> > In the example:
> >
> > ```python
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```
> >
> > `Child.parent` is a `ForwardManyToOneDescriptor` instance.

> **data_protection_regulation_id_id**

> **description**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

> **id**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

> **key_points**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

> **objects = <django.db.models.manager.Manager object>**

> **section_in_act**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

compliance_management.views.**compliance_document_detail**(*request*, *slug*)

compliance_management.views.**compliance_document_list**(*request*)

compliance_management.views.**compliance_report_detail**(*request*, *slug*)

compliance_management.views.**compliance_report_list**(*request*)

compliance_management.views.**compliance_status_detail**(*request*, *slug*)

compliance_management.views.**compliance_status_list**(*request*)

compliance_management.views.**create_compliance_document**(*request*)

compliance_management.views.**create_compliance_report**(*request*)

compliance_management.views.**create_compliance_status**(*request*)

compliance_management.views.**create_data_processing_activity**(*request*)

compliance_management.views.**create_data_protection_regulation**(*request*)

compliance_management.views.**create_dpi_a**(*request*)

compliance_management.views.**create_incident**(*request*)

compliance_management.views.**data_processing_activity_detail**(*request*, *slug*)

compliance_management.views.**data_processing_activity_list**(*request*)

compliance_management.views.**data_protection_regulation_detail**(*request*, *slug*)

compliance_management.views.**data_protection_regulation_list**(*request*)

compliance_management.views.**dpi_a_detail**(*request*, *slug*)

compliance_management.views.**dpi_a_list**(*request*)

compliance_management.views.**incident_detail**(*request*, *slug*)

compliance_management.views.**incident_list**(*request*)

1.5 Policy Management Documentation

This module handles the creation and management of policies.

class policy_management.models.**ApprovalWorkflow**(**args*, ***kwargs*)

> Bases: `Model`
>
> Model representing an approval workflow for policies.
>
> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`
>
> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`
>
> **approved_at**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **approved_by**
>
> > Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
> >
> > In the example:
> >
> > ```
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```
> >
> > Child.parent is a `ForwardManyToOneDescriptor` instance.
>
> **approved_by_id**

get_next_by_approved_at(*, *field=<django.db.models.fields.DateTimeField: approved_at>*, *is_next=True*, ***kwargs*)

get_previous_by_approved_at(*, *field=<django.db.models.fields.DateTimeField: approved_at>*, *is_next=False*, ***kwargs*)

id

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

policy

> Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
>
> In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

> Child.parent is a ForwardManyToOneDescriptor instance.

policy_id

status

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class policy_management.models.**Policy**(*args*, ***kwargs*)

> Bases: Model

Model representing a policy document.

exception DoesNotExist

> Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

> Bases: MultipleObjectsReturned

approvalworkflow_set

> Accessor to the related objects manager on the reverse side of a many-to-one relation.
>
> In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

> Parent.children is a ReverseManyToOneDescriptor instance.
>
> Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

created_at

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

created_by

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Child.parent` is a `ForwardManyToOneDescriptor` instance.

created_by_id

description

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_next_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)

get_next_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=True*, ***kwargs*)

get_previous_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

get_previous_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_active

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

slug

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

title

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

updated_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

versions

Accessor to the related objects manager on the reverse side of a many-to-one relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Parent.children is a ReverseManyToOneDescriptor instance.

Most of the implementation is delegated to a dynamically defined manager class built by create_forward_many_to_many_manager() defined below.

class policy_management.models.**PolicyVersion**(*args*, ***kwargs*)

Bases: Model

Model representing a version of a policy document.

exception DoesNotExist

Bases: ObjectDoesNotExist

exception MultipleObjectsReturned

Bases: MultipleObjectsReturned

created_at

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

created_by

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

created_by_id

document

The descriptor for the file attribute on the model instance. Return a FieldFile when accessed so you can write code like:

```python
>>> from myapp.models import MyModel
>>> instance = MyModel.objects.get(pk=1)
>>> instance.file.size
```

Assign a file object on assignment so you can do:

```python
>>> with open('/path/to/hello.world') as f:
...     instance.file = File(f)
```

get_next_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)

get_previous_by_created_at(*, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

---

policy

>   Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
>
>   In the example:

```
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

>   Child.parent is a ForwardManyToOneDescriptor instance.

policy_id

version_number

>   A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

policy_management.views.**approval_workflow_detail**(*request*, *slug*, *id*)

policy_management.views.**approval_workflow_list**(*request*, *slug*)

policy_management.views.**create_approval_workflow**(*request*, *slug*)

policy_management.views.**create_policy**(*request*)

policy_management.views.**create_policy_version**(*request*, *slug*)

policy_management.views.**policy_detail**(*request*, *slug*)

policy_management.views.**policy_list**(*request*)

policy_management.views.**policy_version_detail**(*request*, *slug*, *version_number*)

policy_management.views.**policy_version_list**(*request*, *slug*)

class policy_management.forms.**ApprovalWorkflowForm**(**args*, ***kwargs*)

>   Bases: ModelForm

>   **class Meta**
>
>   >   Bases: object
>   >
>   >   **fields = ('policy', 'approved_by', 'status')**
>   >
>   >   **model**
>   >
>   >   >   alias of *ApprovalWorkflow*

>   **base_fields = {'approved_at_display': <django.forms.fields.CharField object>, 'approved_by': <django.forms.models.ModelChoiceField object>, 'policy': <django.forms.models.ModelChoiceField object>, 'status': <django.forms.fields.BooleanField object>}**

>   **declared_fields = {'approved_at_display': <django.forms.fields.CharField object>}**

>   **property media**
>
>   >   Return all media required to render the widgets on this form.

class policy_management.forms.**PolicyForm**(*data=None*, *files=None*, *auto_id='id_%s'*, *prefix=None*,
initial=None, *error_class=<class*
'django.forms.utils.ErrorList'>, *label_suffix=None*,
empty_permitted=False, *instance=None*,
use_required_attribute=None, *renderer=None*)

Bases: `ModelForm`

class Meta

Bases: `object`

fields = ('title', 'description', 'created_by', 'is_active')

model

alias of *Policy*

base_fields = {'created_by': <django.forms.models.ModelChoiceField object>,
'description': <django.forms.fields.CharField object>, 'is_active':
<django.forms.fields.BooleanField object>, 'title': <django.forms.fields.CharField
object>}

declared_fields = {}

property media

Return all media required to render the widgets on this form.

class policy_management.forms.**PolicyVersionForm**(*data=None*, *files=None*, *auto_id='id_%s'*,
prefix=None, *initial=None*, *error_class=<class*
'django.forms.utils.ErrorList'>, *label_suffix=None*,
empty_permitted=False, *instance=None*,
use_required_attribute=None, *renderer=None*)

Bases: `ModelForm`

class Meta

Bases: `object`

fields = ('version_number', 'document', 'created_by')

model

alias of *PolicyVersion*

base_fields = {'created_by': <django.forms.models.ModelChoiceField object>,
'document': <django.forms.fields.FileField object>, 'version_number':
<django.forms.fields.IntegerField object>}

declared_fields = {}

property media

Return all media required to render the widgets on this form.

1.6 Reporting Documentation

This module provides reporting functionalities for the application.

class reporting.models.**ComplianceAudit**(**args*, ***kwargs*)

Bases: `Model`

Model representing a compliance audit conducted for an organization.

---

exception DoesNotExist

Bases: `ObjectDoesNotExist`

exception MultipleObjectsReturned

Bases: `MultipleObjectsReturned`

audit_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

audit_findings

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

auditor

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Child.parent` is a `ForwardManyToOneDescriptor` instance.

auditor_id

get_next_by_audit_date(*, *field=<django.db.models.fields.DateTimeField: audit_date>*, *is_next=True*, ***kwargs*)

get_previous_by_audit_date(*, *field=<django.db.models.fields.DateTimeField: audit_date>*, *is_next=False*, ***kwargs*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_resolved

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

organization

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

`Child.parent` is a `ForwardManyToOneDescriptor` instance.

organization_id

recommendations

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

resolution_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class reporting.models.**DataBreachReport**(**args*, ***kwargs*)

Bases: `Model`

Model representing a report of a data breach incident.

exception DoesNotExist

Bases: `ObjectDoesNotExist`

exception MultipleObjectsReturned

Bases: `MultipleObjectsReturned`

SEVERITY_CHOICES = [('LOW', 'Low'), ('MEDIUM', 'Medium'), ('HIGH', 'High'), ('CRITICAL', 'Critical')]

affected_data_subjects

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

clean()

Validate the data breach report before saving.

data_types_affected

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

date_reported_to_authorities

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

date_reported_to_data_subjects

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

description

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

discovery_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

get_next_by_discovery_date(***, *field=<django.db.models.fields.DateTimeField: discovery_date>*, *is_next=True*, ***kwargs*)

get_next_by_incident_date(***, *field=<django.db.models.fields.DateTimeField: incident_date>*, *is_next=True*, ***kwargs*)

get_next_by_report_generated_date(***, *field=<django.db.models.fields.DateTimeField: report_generated_date>*, *is_next=True*, ***kwargs*)

get_previous_by_discovery_date(*, *field=<django.db.models.fields.DateTimeField: discovery_date>*, *is_next=False*, ***kwargs*)

get_previous_by_incident_date(*, *field=<django.db.models.fields.DateTimeField: incident_date>*, *is_next=False*, ***kwargs*)

get_previous_by_report_generated_date(*, *field=<django.db.models.fields.DateTimeField: report_generated_date>*, *is_next=False*, ***kwargs*)

get_severity_display(*, *field=<django.db.models.fields.CharField: severity>*)

id

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

incident_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

is_within_72_hours

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

organization

Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.

In the example:

```python
class Child(Model):
    parent = ForeignKey(Parent, related_name='children')
```

Child.parent is a ForwardManyToOneDescriptor instance.

organization_id

potential_impact

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

remediation_steps

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

report_generated_date

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

reported_to_authorities

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

reported_to_data_subjects

A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

save(**args*, ***kwargs*)

> Override save method to perform validation and set is_within_72_hours.

severity

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class reporting.models.**ScheduledReport**(**args*, ***kwargs*)

> Bases: `Model`
>
> Model representing a scheduled compliance report for an organization.
>
> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`
>
> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`
>
> **email_recipients**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **get_next_by_schedule_time**(***, *field=<django.db.models.fields.DateTimeField: schedule_time>*, *is_next=True*, ***kwargs*)
>
> **get_previous_by_schedule_time**(***, *field=<django.db.models.fields.DateTimeField: schedule_time>*, *is_next=False*, ***kwargs*)
>
> **id**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **interval**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **objects = <django.db.models.manager.Manager object>**
>
> **organization**
>
> > Accessor to the related object on the forward side of a many-to-one or one-to-one (via ForwardOne-ToOneDescriptor subclass) relation.
> >
> > In the example:
> >
> > ```python
> > class Child(Model):
> >     parent = ForeignKey(Parent, related_name='children')
> > ```
> >
> > `Child.parent` is a `ForwardManyToOneDescriptor` instance.
>
> **organization_id**
>
> **report_type**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **schedule_time**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

reporting.views.**compliance_audit_detail**(*request*, *id*)

reporting.views.**compliance_audit_list**(*request*)

reporting.views.**create_compliance_audit**(*request*)

reporting.views.**create_data_breach_report**(*request*)

reporting.views.**create_scheduled_report**(*request*)

reporting.views.**data_breach_report_detail**(*request*, *id*)

reporting.views.**data_breach_report_list**(*request*)

reporting.views.**scheduled_report_detail**(*request*, *id*)

reporting.views.**scheduled_report_list**(*request*)

1.7 Analytics Documentation

This module handles analytics and data analysis features.

analytics.views.**metrics_view**(*request*)

1.8 Ingestion Documentation

This module handles the ingestion and APIs within the application.

class ingestion.models.**DataEntry**(*id*, *data*, *metadata*, *processed_data*, *status*, *created_at*, *updated_at*)

> Bases: `Model`
>
> **exception DoesNotExist**
>
> > Bases: `ObjectDoesNotExist`
>
> **exception MultipleObjectsReturned**
>
> > Bases: `MultipleObjectsReturned`
>
> **STATUS_CHOICES = [('uploaded', 'Uploaded'), ('processing', 'Processing'), ('processed', 'processed'), ('failed', 'failed')]**
>
> **created_at**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **data**
>
> > A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.
>
> **get_next_by_created_at**(***, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=True*, ***kwargs*)
>
> **get_next_by_updated_at**(***, *field=<django.db.models.fields.DateTimeField: updated_at>*, *is_next=True*, ***kwargs*)
>
> **get_previous_by_created_at**(***, *field=<django.db.models.fields.DateTimeField: created_at>*, *is_next=False*, ***kwargs*)

get_previous_by_updated_at(*, *field=<django.db.models.fields.DateTimeField: updated_at>,*
is_next=False, **kwargs)

get_status_display(*, *field=<django.db.models.fields.CharField: status>*)

id

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

metadata

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

objects = <django.db.models.manager.Manager object>

processed_data

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

status

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

updated_at

> A wrapper for a deferred-loading field. When the value is read from this object the first time, the query is executed.

class ingestion.views.**DataProcessView**(***kwargs*)

> Bases: APIView

> **post**(*request*, *format=None*)

class ingestion.views.**DataResultView**(***kwargs*)

> Bases: APIView

> **get**(*request*, *data_id*, *format=None*)

class ingestion.views.**DataStatusView**(***kwargs*)

> Bases: APIView

> **get**(*request*, *data_id*, *format=None*)

class ingestion.views.**DataUploadView**(***kwargs*)

> Bases: CreateAPIView

> **create**(*request*, **args*, ***kwargs*)

> **serializer_class**
> > alias of DataEntrySerializer

ingestion.views.**homepage**(*request*)

GETTING STARTED

To get started with Datashield Solutions, please refer to the individual module documentation listed in the Contents section above.

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