

OFCSA

1.0

Generated by Doxygen 1.8.14

Contents

- 1 Namespace Index** **1**

- 2 Hierarchical Index** **3**
 - 2.1 Class Hierarchy 3

- 3 Class Index** **7**
 - 3.1 Class List 7

- 4 Class Documentation** **11**
 - 4.1 [my_app.models.CertificationScheme Class Reference](#) 11
 - 4.1.1 Detailed Description 12
 - 4.1.2 Member Function Documentation 12
 - 4.1.2.1 [can_assess\(\)](#) 12
 - 4.1.2.2 [can_edit_rights\(\)](#) 12
 - 4.1.2.3 [can_publish_rights\(\)](#) 13
 - 4.1.2.4 [can_review_rights\(\)](#) 13
 - 4.1.2.5 [can_setrights_rights\(\)](#) 13
 - 4.1.2.6 [can_view_rights\(\)](#) 13
 - 4.1.2.7 [get_assessable_controls\(\)](#) 14
 - 4.1.2.8 [get_generateable_control_questions\(\)](#) 14
 - 4.1.2.9 [get_generateable_controls\(\)](#) 14
 - 4.1.2.10 [get_unassessable_controls\(\)](#) 14
 - 4.1.2.11 [get_viewable_controls\(\)](#) 14
 - 4.1.2.12 [scheme_status\(\)](#) 15
 - 4.2 [my_app.models.CloudService Class Reference](#) 15

4.2.1	Detailed Description	16
4.3	cloud_service_create_form.CloudServiceCreateForm Class Reference	16
4.3.1	Detailed Description	16
4.3.2	Member Data Documentation	16
4.3.2.1	deployment_model	16
4.3.2.2	description	16
4.3.2.3	service_model	17
4.3.2.4	service_name	17
4.4	my_app.views.cloud_service_create_view.CloudServiceCreateView Class Reference	17
4.4.1	Detailed Description	17
4.4.2	Member Function Documentation	17
4.4.2.1	get()	18
4.4.2.2	post()	18
4.5	my_app.models.CloudServiceProvider Class Reference	18
4.5.1	Detailed Description	19
4.6	cloud_service_provider_register_form.CloudServiceProviderRegisterForm Class Reference	19
4.6.1	Detailed Description	19
4.6.2	Member Data Documentation	19
4.6.2.1	provider_name	19
4.7	my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView Class Reference	19
4.7.1	Detailed Description	20
4.7.2	Member Function Documentation	20
4.7.2.1	get()	20
4.7.2.2	post()	20
4.8	my_app.views.cloud_service_overview_view.CloudServicesOverviewView Class Reference	20
4.8.1	Detailed Description	21
4.8.2	Member Function Documentation	21
4.8.2.1	get()	21
4.9	comment_form.CommentForm Class Reference	21
4.9.1	Detailed Description	21

4.9.2	Member Data Documentation	21
4.9.2.1	comment_text	21
4.10	my_app.models.Control Class Reference	22
4.10.1	Detailed Description	22
4.10.2	Member Function Documentation	22
4.10.2.1	get_assessable_control_objectives()	23
4.10.2.2	get_assessable_control_questions()	23
4.10.2.3	get_automatization_control_objectives()	23
4.10.2.4	get_automatization_viewable_control_objectives()	23
4.10.2.5	get_unassessable_control_objectives()	23
4.10.2.6	get_unassessable_control_questions()	24
4.10.2.7	get_viewable_control_objectives()	24
4.10.2.8	get_viewable_control_questions()	24
4.11	my_app.views.control_approval_view.ControlApprovalView Class Reference	24
4.11.1	Detailed Description	24
4.11.2	Member Function Documentation	25
4.11.2.1	get()	25
4.11.2.2	post()	25
4.12	my_app.views.control_assessment_view.ControlAssessmentView Class Reference	25
4.12.1	Detailed Description	25
4.12.2	Member Function Documentation	25
4.12.2.1	get()	26
4.13	my_app.models.ControlComment Class Reference	26
4.13.1	Detailed Description	26
4.14	control_create_form.ControlCreateForm Class Reference	26
4.14.1	Detailed Description	27
4.14.2	Member Data Documentation	27
4.14.2.1	description	27
4.14.2.2	identifier	27
4.15	my_app.views.control_create_view.ControlCreateView Class Reference	27

4.15.1 Detailed Description	27
4.15.2 Member Function Documentation	28
4.15.2.1 get()	28
4.15.2.2 post()	28
4.16 my_app.views.control_delete_view.ControlDeleteView Class Reference	28
4.16.1 Detailed Description	28
4.16.2 Member Function Documentation	28
4.16.2.1 get()	29
4.17 my_app.views.control_detail_view.ControlDetailView Class Reference	29
4.17.1 Detailed Description	29
4.17.2 Member Function Documentation	29
4.17.2.1 get()	29
4.18 my_app.models.ControlDomain Class Reference	29
4.18.1 Detailed Description	30
4.19 control_domain_select_form.ControlDomainSelectForm Class Reference	30
4.19.1 Detailed Description	30
4.19.2 Member Data Documentation	30
4.19.2.1 control_domain	30
4.19.2.2 control_domain_details	31
4.20 my_app.views.control_edit_view.ControlEditView Class Reference	31
4.20.1 Detailed Description	31
4.20.2 Member Function Documentation	31
4.20.2.1 get()	31
4.20.2.2 post()	32
4.21 my_app.models.ControlObjective Class Reference	32
4.21.1 Detailed Description	33
4.21.2 Member Function Documentation	33
4.21.2.1 get_value()	33
4.22 my_app.views.control_objective_approval_view.ControlObjectiveApprovalView Class Reference	33
4.22.1 Detailed Description	34

4.22.2	Member Function Documentation	34
4.22.2.1	get()	34
4.22.2.2	post()	34
4.23	my_app.views.control_objective_assessment_view.ControlObjectiveAssessmentView Class Reference	34
4.23.1	Detailed Description	34
4.23.2	Member Function Documentation	35
4.23.2.1	get()	35
4.24	control_objective_automatization_form.ControlObjectiveAutomatizationForm Class Reference	35
4.24.1	Detailed Description	35
4.24.2	Member Data Documentation	35
4.24.2.1	description	35
4.24.2.2	identifier	36
4.25	my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView Class Reference	36
4.25.1	Detailed Description	36
4.25.2	Member Function Documentation	36
4.25.2.1	get()	37
4.25.2.2	post()	37
4.25.2.3	update_control_objective()	37
4.26	my_app.models.ControlObjectiveComment Class Reference	37
4.26.1	Detailed Description	38
4.27	control_objective_create_form.ControlObjectiveCreateForm Class Reference	38
4.27.1	Detailed Description	38
4.27.2	Member Data Documentation	39
4.27.2.1	control_domain	39
4.27.2.2	description	39
4.27.2.3	evaluation_interval	39
4.27.2.4	find_metric	40
4.27.2.5	find_security_attribute	40
4.27.2.6	identifier	40

4.27.2.7	metric	40
4.27.2.8	metric_description	41
4.27.2.9	metric_expression	41
4.27.2.10	metric_measuring_interval	41
4.27.2.11	metric_name	41
4.27.2.12	new_metric	42
4.27.2.13	new_security_attribute	42
4.27.2.14	security_attribute	42
4.27.2.15	security_attribute_description	42
4.27.2.16	security_attribute_name	43
4.27.2.17	type	43
4.27.2.18	type_value	43
4.27.2.19	type_value_2	43
4.28	my_app.views.control_objective_create_view.ControlObjectiveCreateView Class Reference	44
4.28.1	Detailed Description	44
4.28.2	Member Function Documentation	44
4.28.2.1	create_control_objective()	44
4.28.2.2	get()	45
4.28.2.3	get_control_objective_type()	45
4.28.2.4	post()	45
4.28.2.5	save_atomic_control_objective()	45
4.28.2.6	validate_unique()	46
4.29	my_app.views.control_objective_delete_view.ControlObjectiveDeleteView Class Reference	46
4.29.1	Detailed Description	46
4.29.2	Member Function Documentation	46
4.29.2.1	get()	46
4.30	my_app.views.control_objective_detail_view.ControlObjectiveDetailView Class Reference	46
4.30.1	Detailed Description	47
4.30.2	Member Function Documentation	47
4.30.2.1	get()	47

4.31	control_objective_edit_form.ControlObjectiveEditForm Class Reference	47
4.31.1	Detailed Description	47
4.31.2	Member Data Documentation	47
4.31.2.1	description	48
4.31.2.2	evaluation_interval	48
4.31.2.3	identifier	48
4.31.2.4	type	48
4.31.2.5	type_value	49
4.31.2.6	type_value_2	49
4.32	my_app.views.control_objective_edit_view.ControlObjectiveEditView Class Reference	49
4.32.1	Detailed Description	49
4.32.2	Member Function Documentation	50
4.32.2.1	get()	50
4.32.2.2	post()	50
4.33	control_objective_generate_form.ControlObjectiveGenerateForm Class Reference	50
4.33.1	Detailed Description	50
4.34	control_objective_automatization_form.ControlObjectiveRemainsForm Class Reference	50
4.34.1	Detailed Description	51
4.34.2	Member Data Documentation	51
4.34.2.1	control_domain	51
4.34.2.2	evaluation_interval	51
4.34.2.3	type	52
4.34.2.4	type_value	52
4.34.2.5	type_value_2	52
4.35	my_app.models.ControlQuestion Class Reference	52
4.35.1	Detailed Description	53
4.36	my_app.views.control_question_approval_view.ControlQuestionApprovalView Class Reference	53
4.36.1	Detailed Description	53
4.36.2	Member Function Documentation	54
4.36.2.1	get()	54

4.36.2.2	post()	54
4.37	my_app.views.control_question_assessment_view.ControlQuestionAssessmentView Class Reference	54
4.37.1	Detailed Description	54
4.37.2	Member Function Documentation	54
4.37.2.1	get()	55
4.38	my_app.models.ControlQuestionComment Class Reference	55
4.38.1	Detailed Description	55
4.39	control_question_create_form.ControlQuestionCreateForm Class Reference	55
4.39.1	Detailed Description	56
4.39.2	Member Data Documentation	56
4.39.2.1	description	56
4.39.2.2	identifier	56
4.40	my_app.views.control_question_create_view.ControlQuestionCreateView Class Reference	56
4.40.1	Detailed Description	57
4.40.2	Member Function Documentation	57
4.40.2.1	get()	57
4.40.2.2	post()	57
4.41	my_app.views.control_question_delete_view.ControlQuestionDeleteView Class Reference	57
4.41.1	Detailed Description	57
4.41.2	Member Function Documentation	58
4.41.2.1	get()	58
4.42	my_app.views.control_question_edit_view.ControlQuestionEditView Class Reference	58
4.42.1	Detailed Description	58
4.42.2	Member Function Documentation	58
4.42.2.1	get()	58
4.42.2.2	post()	59
4.43	my_app.views.elements_choose_view.ElementsChooseView Class Reference	59
4.43.1	Detailed Description	59
4.43.2	Member Function Documentation	59
4.43.2.1	get()	59

4.44	control_objective_automatization_form.FormSave Class Reference	59
4.44.1	Detailed Description	60
4.44.2	Member Data Documentation	60
4.44.2.1	control_domain	60
4.44.2.2	description	60
4.44.2.3	evaluation_interval	61
4.44.2.4	identifier	61
4.44.2.5	metric_description	61
4.44.2.6	metric_expression	61
4.44.2.7	metric_measuring_interval	62
4.44.2.8	metric_name	62
4.44.2.9	security_attribute_description	62
4.44.2.10	security_attribute_name	62
4.44.2.11	type	63
4.44.2.12	type_value	63
4.44.2.13	type_value_2	63
4.45	my_app.views.control_objective_generate_view.GenerateChooseView Class Reference	63
4.45.1	Detailed Description	64
4.45.2	Member Function Documentation	64
4.45.2.1	get()	64
4.46	my_app.views.control_objective_generate_view.GenerateForControlQuestionView Class Reference	64
4.46.1	Detailed Description	64
4.46.2	Member Function Documentation	64
4.46.2.1	get()	65
4.46.2.2	post()	65
4.47	my_app.views.control_objective_generate_view.GenerateForControlView Class Reference	65
4.47.1	Detailed Description	65
4.47.2	Member Function Documentation	65
4.47.2.1	get()	66
4.47.2.2	post()	66

4.48	my_app.views.home_page_view.HomePageView Class Reference	66
4.48.1	Detailed Description	66
4.48.2	Member Function Documentation	66
4.48.2.1	get()	67
4.49	my_register_form.MyRegistrationForm.Meta Class Reference	67
4.49.1	Member Data Documentation	67
4.49.1.1	fields	67
4.50	my_app.models.CertificationScheme.Meta Class Reference	67
4.51	my_app.models.ControlComment.Meta Class Reference	67
4.52	my_app.models.Control.Meta Class Reference	68
4.53	my_app.models.ControlQuestion.Meta Class Reference	68
4.54	my_app.models.Metric.Meta Class Reference	68
4.55	my_app.models.ControlDomain.Meta Class Reference	68
4.56	my_app.models.SecurityAttribute.Meta Class Reference	68
4.57	my_app.models.ControlObjective.Meta Class Reference	68
4.58	my_app.models.SchemeRights.Meta Class Reference	68
4.59	my_app.models.SchemeComment.Meta Class Reference	69
4.60	my_app.models.ControlQuestionComment.Meta Class Reference	69
4.61	my_app.models.ControlObjectiveComment.Meta Class Reference	69
4.62	my_app.models.CloudServiceProvider.Meta Class Reference	69
4.63	my_app.models.CloudService.Meta Class Reference	69
4.64	my_app.search.MetricIndex.Meta Class Reference	69
4.64.1	Detailed Description	69
4.65	my_app.search.SecurityAttributeIndex.Meta Class Reference	70
4.65.1	Detailed Description	70
4.66	my_app.models.Metric Class Reference	70
4.66.1	Detailed Description	70
4.66.2	Member Function Documentation	71
4.66.2.1	indexing()	71
4.66.2.2	remove_indexing()	71

4.67	my_app.views.metric_approval_view.MetricApprovalView Class Reference	71
4.67.1	Detailed Description	71
4.67.2	Member Function Documentation	71
4.67.2.1	get()	71
4.68	metric_change_form.MetricChangeForm Class Reference	72
4.68.1	Detailed Description	72
4.68.2	Member Data Documentation	72
4.68.2.1	metric_description	72
4.68.2.2	metric_expression	72
4.68.2.3	metric_measuring_interval	73
4.68.2.4	metric_name	73
4.69	my_app.views.metric_change_view.MetricChangeView Class Reference	73
4.69.1	Detailed Description	73
4.69.2	Member Function Documentation	73
4.69.2.1	get()	74
4.69.2.2	post()	74
4.70	control_objective_automatization_form.MetricFormAfterRecommend Class Reference	74
4.70.1	Detailed Description	74
4.70.2	Member Data Documentation	74
4.70.2.1	metric_description_sa_recommend	75
4.70.2.2	metric_expression_sa_recommend	75
4.70.2.3	metric_measuring_interval_sa_recommend	75
4.70.2.4	metric_name_sa_recommend	75
4.70.2.5	metric_sa_recommend	76
4.71	control_objective_automatization_form.MetricFormAfterSearch Class Reference	76
4.71.1	Detailed Description	76
4.71.2	Member Data Documentation	76
4.71.2.1	metric_description_sa_search	76
4.71.2.2	metric_expression_sa_search	77
4.71.2.3	metric_measuring_interval_sa_search	77

4.71.2.4	metric_name_sa_search	77
4.71.2.5	metric_sa_search	77
4.72	control_objective_automatization_form.MetricGenerateForm Class Reference	78
4.72.1	Detailed Description	78
4.72.2	Member Data Documentation	78
4.72.2.1	metric_description_generate	78
4.72.2.2	metric_expression_generate	78
4.72.2.3	metric_measuring_interval_generate	79
4.72.2.4	metric_name_generate	79
4.73	my_app.search.MetricIndex Class Reference	79
4.73.1	Detailed Description	79
4.74	control_objective_automatization_form.MetricRecommendForm Class Reference	79
4.74.1	Detailed Description	80
4.74.2	Member Data Documentation	80
4.74.2.1	metric_description_recommend	80
4.74.2.2	metric_expression_recommend	80
4.74.2.3	metric_measuring_interval_recommend	81
4.74.2.4	metric_name_recommend	81
4.74.2.5	metric_recommend	81
4.75	control_objective_automatization_form.MetricSearchForm Class Reference	81
4.75.1	Detailed Description	82
4.75.2	Member Data Documentation	82
4.75.2.1	find_metric	82
4.75.2.2	metric_description_search	82
4.75.2.3	metric_expression_search	82
4.75.2.4	metric_measuring_interval_search	83
4.75.2.5	metric_name_search	83
4.75.2.6	metric_search	83
4.76	my_app.apps.MyAppConfig Class Reference	83
4.76.1	Detailed Description	84

4.77 my_login_form.MyLoginForm Class Reference	84
4.77.1 Detailed Description	84
4.77.2 Member Data Documentation	84
4.77.2.1 remember_me	84
4.78 my_app.views.my_login_view.MyLoginView Class Reference	84
4.78.1 Detailed Description	85
4.78.2 Member Function Documentation	85
4.78.2.1 form_valid()	85
4.79 my_register_form.MyRegistrationForm Class Reference	85
4.79.1 Detailed Description	85
4.79.2 Member Data Documentation	86
4.79.2.1 first_name	86
4.79.2.2 last_name	86
4.80 my_app.views.my_registration_view.MyRegistrationView Class Reference	86
4.80.1 Detailed Description	86
4.80.2 Member Function Documentation	86
4.80.2.1 get()	87
4.80.2.2 post()	87
4.81 my_app.nlp.NLP Class Reference	87
4.81.1 Detailed Description	87
4.81.2 Constructor & Destructor Documentation	87
4.81.2.1 __init__()	87
4.81.3 Member Function Documentation	88
4.81.3.1 get_instance()	88
4.81.3.2 get_nlp()	88
4.82 my_app.nlp.Node Class Reference	88
4.82.1 Detailed Description	88
4.82.2 Constructor & Destructor Documentation	89
4.82.2.1 __init__()	89
4.83 password_reset_form.PasswordResetForm Class Reference	89

4.83.1	Detailed Description	89
4.83.2	Member Data Documentation	89
4.83.2.1	email_or_username	89
4.84	my_app.views.password_reset_view.PasswordResetView Class Reference	90
4.84.1	Detailed Description	90
4.84.2	Member Function Documentation	90
4.84.2.1	post()	90
4.84.2.2	send_email_to_user()	90
4.84.2.3	validate_email_address()	91
4.85	my_app.views.rdf_export_view.RdfExportView Class Reference	91
4.85.1	Detailed Description	91
4.85.2	Member Function Documentation	91
4.85.2.1	get()	91
4.85.2.2	post()	91
4.86	my_app.views.scheme_approval_view.SchemeApprovalView Class Reference	92
4.86.1	Detailed Description	92
4.86.2	Member Function Documentation	92
4.86.2.1	get()	92
4.86.2.2	post()	92
4.87	my_app.models.SchemeComment Class Reference	93
4.87.1	Detailed Description	93
4.88	scheme_compare_choose_form.SchemeCompareChooseForm Class Reference	93
4.88.1	Detailed Description	93
4.88.2	Member Data Documentation	93
4.88.2.1	scheme_1	94
4.88.2.2	scheme_2	94
4.89	my_app.views.scheme_compare_choose_view.SchemeCompareChooseView Class Reference	94
4.89.1	Detailed Description	94
4.89.2	Member Function Documentation	94
4.89.2.1	get()	95

4.89.2.2	post()	95
4.90	my_app.views.scheme_compare_view.SchemeCompareView Class Reference	95
4.90.1	Detailed Description	95
4.90.2	Member Function Documentation	95
4.90.2.1	get()	95
4.91	scheme_create_form.SchemeCreateForm Class Reference	96
4.91.1	Detailed Description	96
4.91.2	Member Data Documentation	96
4.91.2.1	identifier	96
4.91.2.2	name	96
4.91.2.3	publisher	97
4.91.2.4	version	97
4.92	my_app.views.scheme_create_view.SchemeCreateView Class Reference	97
4.92.1	Detailed Description	97
4.92.2	Member Function Documentation	97
4.92.2.1	get()	98
4.92.2.2	post()	98
4.93	my_app.views.scheme_delete_view.SchemeDeleteView Class Reference	98
4.93.1	Detailed Description	98
4.93.2	Member Function Documentation	98
4.93.2.1	get()	98
4.94	my_app.views.scheme_detail_view.SchemeDetailView Class Reference	99
4.94.1	Detailed Description	99
4.94.2	Member Function Documentation	99
4.94.2.1	get()	99
4.94.2.2	post()	99
4.95	my_app.views.scheme_edit_view.SchemeEditView Class Reference	99
4.95.1	Detailed Description	100
4.95.2	Member Function Documentation	100
4.95.2.1	get()	100

4.95.2.2	post()	100
4.96	schema_import_form.SchemeImportForm Class Reference	100
4.96.1	Detailed Description	101
4.96.2	Member Data Documentation	101
4.96.2.1	identifier	101
4.96.2.2	name	101
4.96.2.3	publisher	102
4.96.2.4	version	102
4.97	my_app.views.scheme_import_view.SchemeImportView Class Reference	102
4.97.1	Detailed Description	102
4.97.2	Member Function Documentation	102
4.97.2.1	get()	103
4.97.2.2	post()	103
4.98	my_app.views.scheme_overview_view.SchemeOverviewView Class Reference	103
4.98.1	Detailed Description	103
4.98.2	Member Function Documentation	103
4.98.2.1	get()	103
4.99	my_app.models.SchemeRights Class Reference	104
4.99.1	Detailed Description	104
4.100	schema_rights_set_form.SchemeRightsSetForm Class Reference	104
4.100.1	Detailed Description	104
4.101	my_app.views.scheme_rights_set_view.SchemeRightsSetView Class Reference	105
4.101.1	Detailed Description	105
4.101.2	Member Function Documentation	105
4.101.2.1	get()	105
4.101.2.2	post()	105
4.101.2.3	set_rights()	106
4.102	my_app.views.security_approval_view.SecurityApprovalView Class Reference	106
4.102.1	Detailed Description	106
4.102.2	Member Function Documentation	106

4.102.2.1 get()	106
4.103my_app.models.SecurityAttribute Class Reference	106
4.103.1 Detailed Description	107
4.103.2 Member Function Documentation	107
4.103.2.1 indexing()	107
4.103.2.2 remove_indexing()	108
4.104control_objective_automatization_form.SecurityAttributeGenerateForm Class Reference	108
4.104.1 Detailed Description	108
4.104.2 Member Data Documentation	108
4.104.2.1 security_attribute_description_generate	108
4.104.2.2 security_attribute_name_generate	109
4.105my_app.search.SecurityAttributeIndex Class Reference	109
4.105.1 Detailed Description	109
4.106control_objective_automatization_form.SecurityAttributeRecommendForm Class Reference	109
4.106.1 Detailed Description	109
4.106.2 Member Data Documentation	110
4.106.2.1 security_attribute_description_recommend	110
4.106.2.2 security_attribute_name_recommend	110
4.106.2.3 security_attribute_recommend	110
4.107control_objective_automatization_form.SecurityAttributeSearchForm Class Reference	110
4.107.1 Detailed Description	111
4.107.2 Member Data Documentation	111
4.107.2.1 find_security_attribute	111
4.107.2.2 security_attribute	111
4.107.2.3 security_attribute_description	112
4.107.2.4 security_attribute_name	112
4.108security_change_form.SecurityChangeForm Class Reference	112
4.108.1 Detailed Description	112
4.108.2 Member Data Documentation	112
4.108.2.1 metric	113
4.108.2.2 metric_details	113
4.108.2.3 security_attribute_description	113
4.108.2.4 security_attribute_name	113
4.109my_app.views.security_change_view.SecurityChangeView Class Reference	114
4.109.1 Detailed Description	114
4.109.2 Member Function Documentation	114
4.109.2.1 get()	114
4.109.2.2 post()	114
4.110my_app.admin.UserCreationFormExtended Class Reference	114
4.110.1 Detailed Description	115

Chapter 1

Namespace Index

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

- AuthenticationForm
 - my_login_form.MyLoginForm 84
- Form
 - cloud_service_create_form.CloudServiceCreateForm 16
 - cloud_service_provider_register_form.CloudServiceProviderRegisterForm 19
 - comment_form.CommentForm 21
 - control_create_form.ControlCreateForm 26
 - control_domain_select_form.ControlDomainSelectForm 30
 - control_objective_automatization_form.ControlObjectiveAutomatizationForm 35
 - control_objective_automatization_form.ControlObjectiveRemainsForm 50
 - control_objective_automatization_form.FormSave 59
 - control_objective_automatization_form.MetricFormAfterRecommend 74
 - control_objective_automatization_form.MetricFormAfterSearch 76
 - control_objective_automatization_form.MetricGenerateForm 78
 - control_objective_automatization_form.MetricRecommendForm 79
 - control_objective_automatization_form.MetricSearchForm 81
 - control_objective_automatization_form.SecurityAttributeGenerateForm 108
 - control_objective_automatization_form.SecurityAttributeRecommendForm 109
 - control_objective_automatization_form.SecurityAttributeSearchForm 110
 - control_objective_create_form.ControlObjectiveCreateForm 38
 - control_objective_edit_form.ControlObjectiveEditForm 47
 - control_objective_generate_form.ControlObjectiveGenerateForm 50
 - control_question_create_form.ControlQuestionCreateForm 55
 - metric_change_form.MetricChangeForm 72
 - password_reset_form.PasswordResetForm 89
 - scheme_compare_choose_form.SchemeCompareChooseForm 93
 - scheme_create_form.SchemeCreateForm 96
 - scheme_import_form.SchemeImportForm 100
 - scheme_rights_set_form.SchemeRightsSetForm 104
 - security_change_form.SecurityChangeForm 112
- my_register_form.MyRegistrationForm.Meta 67
- my_app.models.CertificationScheme.Meta 67
- my_app.models.ControlComment.Meta 67
- my_app.models.Control.Meta 68
- my_app.models.ControlQuestion.Meta 68

my_app.models.Metric.Meta	68
my_app.models.ControlDomain.Meta	68
my_app.models.SecurityAttribute.Meta	68
my_app.models.ControlObjective.Meta	68
my_app.models.SchemeRights.Meta	68
my_app.models.SchemeComment.Meta	69
my_app.models.ControlQuestionComment.Meta	69
my_app.models.ControlObjectiveComment.Meta	69
my_app.models.CloudServiceProvider.Meta	69
my_app.models.CloudService.Meta	69
my_app.search.MetricIndex.Meta	69
my_app.search.SecurityAttributeIndex.Meta	70
Model	
my_app.models.CertificationScheme	11
my_app.models.CloudService	15
my_app.models.CloudServiceProvider	18
my_app.models.Control	22
my_app.models.ControlComment	26
my_app.models.ControlDomain	29
my_app.models.ControlObjective	32
my_app.models.ControlObjectiveComment	37
my_app.models.ControlQuestion	52
my_app.models.ControlQuestionComment	55
my_app.models.Metric	70
my_app.models.SchemeComment	93
my_app.models.SchemeRights	104
my_app.models.SecurityAttribute	106
my_app.nlp.NLP	87
object	
my_app.nlp.Node	88
UserCreationForm	
my_register_form.MyRegistrationForm	85
AppConfig	
my_app.apps.MyAppConfig	83
DetailView	
my_app.views.control_assessment_view.ControlAssessmentView	25
my_app.views.control_delete_view.ControlDeleteView	28
my_app.views.control_detail_view.ControlDetailView	29
my_app.views.control_objective_assessment_view.ControlObjectiveAssessmentView	34
my_app.views.control_objective_delete_view.ControlObjectiveDeleteView	46
my_app.views.control_objective_detail_view.ControlObjectiveDetailView	46
my_app.views.control_question_assessment_view.ControlQuestionAssessmentView	54
my_app.views.control_question_delete_view.ControlQuestionDeleteView	57
my_app.views.elements_choose_view.ElementsChooseView	59
my_app.views.metric_approval_view.MetricApprovalView	71
my_app.views.scheme_delete_view.SchemeDeleteView	98
my_app.views.scheme_detail_view.SchemeDetailView	99
my_app.views.security_approval_view.SecurityApprovalView	106
DocType	
my_app.search.MetricIndex	79
my_app.search.SecurityAttributeIndex	109
FormView	
my_app.views.cloud_service_create_view.CloudServiceCreateView	17
my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView	19
my_app.views.control_approval_view.ControlApprovalView	24
my_app.views.control_create_view.ControlCreateView	27
my_app.views.control_edit_view.ControlEditView	31
my_app.views.control_objective_approval_view.ControlObjectiveApprovalView	33

my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView	36
my_app.views.control_objective_create_view.ControlObjectiveCreateView	44
my_app.views.control_objective_edit_view.ControlObjectiveEditView	49
my_app.views.control_objective_generate_view.GenerateForControlQuestionView	64
my_app.views.control_objective_generate_view.GenerateForControlView	65
my_app.views.control_question_approval_view.ControlQuestionApprovalView	53
my_app.views.control_question_create_view.ControlQuestionCreateView	56
my_app.views.control_question_edit_view.ControlQuestionEditView	58
my_app.views.metric_change_view.MetricChangeView	73
my_app.views.my_registration_view.MyRegistrationView	86
my_app.views.password_reset_view.PasswordResetView	90
my_app.views.rdf_export_view.RdfExportView	91
my_app.views.scheme_approval_view.SchemeApprovalView	92
my_app.views.scheme_compare_choose_view.SchemeCompareChooseView	94
my_app.views.scheme_create_view.SchemeCreateView	97
my_app.views.scheme_edit_view.SchemeEditView	99
my_app.views.scheme_rights_set_view.SchemeRightsSetView	105
my_app.views.security_change_view.SecurityChangeView	114
LoginView	
my_app.views.my_login_view.MyLoginView	84
TemplateView	
my_app.views.cloud_service_overview_view.CloudServicesOverviewView	20
my_app.views.control_objective_generate_view.GenerateChooseView	63
my_app.views.home_page_view.HomePageView	66
my_app.views.scheme_compare_view.SchemeCompareView	95
my_app.views.scheme_overview_view.SchemeOverviewView	103
UserCreationForm	
my_app.admin.UserCreationFormExtended	114
View	
my_app.views.scheme_import_view.SchemeImportView	102

Chapter 3

Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

my_app.models.CertificationScheme	11
my_app.models.CloudService	15
cloud_service_create_form.CloudServiceCreateForm	16
my_app.views.cloud_service_create_view.CloudServiceCreateView	17
my_app.models.CloudServiceProvider	18
cloud_service_provider_register_form.CloudServiceProviderRegisterForm	19
my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView	19
my_app.views.cloud_service_overview_view.CloudServicesOverviewView	20
comment_form.CommentForm	21
my_app.models.Control	22
my_app.views.control_approval_view.ControlApprovalView	24
my_app.views.control_assessment_view.ControlAssessmentView	25
my_app.models.ControlComment	26
control_create_form.ControlCreateForm	26
my_app.views.control_create_view.ControlCreateView	27
my_app.views.control_delete_view.ControlDeleteView	28
my_app.views.control_detail_view.ControlDetailView	29
my_app.models.ControlDomain	29
control_domain_select_form.ControlDomainSelectForm	30
my_app.views.control_edit_view.ControlEditView	31
my_app.models.ControlObjective	32
my_app.views.control_objective_approval_view.ControlObjectiveApprovalView	33
my_app.views.control_objective_assessment_view.ControlObjectiveAssessmentView	34
control_objective_automatization_form.ControlObjectiveAutomatizationForm	35
my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView	36
my_app.models.ControlObjectiveComment	37
control_objective_create_form.ControlObjectiveCreateForm	38
my_app.views.control_objective_create_view.ControlObjectiveCreateView	44
my_app.views.control_objective_delete_view.ControlObjectiveDeleteView	46
my_app.views.control_objective_detail_view.ControlObjectiveDetailView	46
control_objective_edit_form.ControlObjectiveEditForm	47
my_app.views.control_objective_edit_view.ControlObjectiveEditView	49
control_objective_generate_form.ControlObjectiveGenerateForm	50
control_objective_automatization_form.ControlObjectiveRemainsForm	50
my_app.models.ControlQuestion	52

my_app.views.control_question_approval_view.ControlQuestionApprovalView	53
my_app.views.control_question_assessment_view.ControlQuestionAssessmentView	54
my_app.models.ControlQuestionComment	55
control_question_create_form.ControlQuestionCreateForm	55
my_app.views.control_question_create_view.ControlQuestionCreateView	56
my_app.views.control_question_delete_view.ControlQuestionDeleteView	57
my_app.views.control_question_edit_view.ControlQuestionEditView	58
my_app.views.elements_choose_view.ElementsChooseView	59
control_objective_automatization_form.FormSave	59
my_app.views.control_objective_generate_view.GenerateChooseView	63
my_app.views.control_objective_generate_view.GenerateForControlQuestionView	64
my_app.views.control_objective_generate_view.GenerateForControlView	65
my_app.views.home_page_view.HomePageView	66
my_register_form.MyRegistrationForm.Meta	67
my_app.models.CertificationScheme.Meta	67
my_app.models.ControlComment.Meta	67
my_app.models.Control.Meta	68
my_app.models.ControlQuestion.Meta	68
my_app.models.Metric.Meta	68
my_app.models.ControlDomain.Meta	68
my_app.models.SecurityAttribute.Meta	68
my_app.models.ControlObjective.Meta	68
my_app.models.SchemeRights.Meta	68
my_app.models.SchemeComment.Meta	69
my_app.models.ControlQuestionComment.Meta	69
my_app.models.ControlObjectiveComment.Meta	69
my_app.models.CloudServiceProvider.Meta	69
my_app.models.CloudService.Meta	69
my_app.search.MetricIndex.Meta	69
my_app.search.SecurityAttributeIndex.Meta	70
my_app.models.Metric	70
my_app.views.metric_approval_view.MetricApprovalView	71
metric_change_form.MetricChangeForm	72
my_app.views.metric_change_view.MetricChangeView	73
control_objective_automatization_form.MetricFormAfterRecommend	74
control_objective_automatization_form.MetricFormAfterSearch	76
control_objective_automatization_form.MetricGenerateForm	78
my_app.search.MetricIndex	79
control_objective_automatization_form.MetricRecommendForm	79
control_objective_automatization_form.MetricSearchForm	81
my_app.apps.MyAppConfig	83
my_login_form.MyLoginForm	84
my_app.views.my_login_view.MyLoginView	84
my_register_form.MyRegistrationForm	85
my_app.views.my_registration_view.MyRegistrationView	86
my_app.nlp.NLP	87
my_app.nlp.Node	88
password_reset_form.PasswordResetForm	89
my_app.views.password_reset_view.PasswordResetView	90
my_app.views.rdf_export_view.RdfExportView	91
my_app.views.scheme_approval_view.SchemeApprovalView	92
my_app.models.SchemeComment	93
scheme_compare_choose_form.SchemeCompareChooseForm	93
my_app.views.scheme_compare_choose_view.SchemeCompareChooseView	94
my_app.views.scheme_compare_view.SchemeCompareView	95
scheme_create_form.SchemeCreateForm	96
my_app.views.scheme_create_view.SchemeCreateView	97
my_app.views.scheme_delete_view.SchemeDeleteView	98

my_app.views.scheme_detail_view.SchemeDetailView	99
my_app.views.scheme_edit_view.SchemeEditView	99
scheme_import_form.SchemeImportForm	100
my_app.views.scheme_import_view.SchemeImportView	102
my_app.views.scheme_overview_view.SchemeOverviewView	103
my_app.models.SchemeRights	104
scheme_rights_set_form.SchemeRightsSetForm	104
my_app.views.scheme_rights_set_view.SchemeRightsSetView	105
my_app.views.security_approval_view.SecurityApprovalView	106
my_app.models.SecurityAttribute	106
control_objective_automatization_form.SecurityAttributeGenerateForm	108
my_app.search.SecurityAttributeIndex	109
control_objective_automatization_form.SecurityAttributeRecommendForm	109
control_objective_automatization_form.SecurityAttributeSearchForm	110
security_change_form.SecurityChangeForm	112
my_app.views.security_change_view.SecurityChangeView	114
my_app.admin.UserCreationFormExtended	114

Chapter 4

Namespace Documentation

4.1 `cloud_service_create_form` Namespace Reference

Classes

- class [CloudServiceCreateForm](#)

4.1.1 Detailed Description

This module holds form for cloud service creation.

4.2 `cloud_service_provider_register_form` Namespace Reference

Classes

- class [CloudServiceProviderRegisterForm](#)

4.2.1 Detailed Description

This module holds form for cloud service provider registration.

4.3 `comment_form` Namespace Reference

Classes

- class [CommentForm](#)

4.3.1 Detailed Description

This module holds form for comments.

4.4 control_create_form Namespace Reference

Classes

- class [ControlCreateForm](#)

4.4.1 Detailed Description

This module holds form for control create.

4.5 control_domain_select_form Namespace Reference

Classes

- class [ControlDomainSelectForm](#)

4.5.1 Detailed Description

This module holds form for control domain select.

4.6 control_objective_automatization_form Namespace Reference

Classes

- class [ControlObjectiveAutomatizationForm](#)
- class [ControlObjectiveRemainsForm](#)
- class [FormSave](#)
- class [MetricFormAfterRecommend](#)
- class [MetricFormAfterSearch](#)
- class [MetricGenerateForm](#)
- class [MetricRecommendForm](#)
- class [MetricSearchForm](#)
- class [SecurityAttributeGenerateForm](#)
- class [SecurityAttributeRecommendForm](#)
- class [SecurityAttributeSearchForm](#)

4.6.1 Detailed Description

This module holds form for control objective create.

4.7 control_objective_create_form Namespace Reference

Classes

- class [ControlObjectiveCreateForm](#)

4.7.1 Detailed Description

This module holds form for control objective create.

4.8 control_objective_edit_form Namespace Reference

Classes

- class [ControlObjectiveEditForm](#)

4.8.1 Detailed Description

This module holds form for control objective edit.

4.9 control_objective_generate_form Namespace Reference

Classes

- class [ControlObjectiveGenerateForm](#)

4.9.1 Detailed Description

This module holds form for control objective generation.

4.10 control_question_create_form Namespace Reference

Classes

- class [ControlQuestionCreateForm](#)

4.10.1 Detailed Description

This module holds form for control question create.

4.11 metric_change_form Namespace Reference

Classes

- class [MetricChangeForm](#)

4.11.1 Detailed Description

This module holds form for metric change.

4.12 my_app.admin Namespace Reference

Classes

- class [UserCreationFormExtended](#)

4.12.1 Detailed Description

This module holds registered the model class for admin interface

4.13 my_app.apps Namespace Reference

Classes

- class [MyAppConfig](#)

4.13.1 Detailed Description

This module contains a registry of installed applications that stores configuration and provides introspection.

4.14 my_app.models Namespace Reference

Classes

- class [CertificationScheme](#)
- class [CloudService](#)
- class [CloudServiceProvider](#)
- class [Control](#)
- class [ControlComment](#)
- class [ControlDomain](#)
- class [ControlObjective](#)
- class [ControlObjectiveComment](#)
- class [ControlQuestion](#)
- class [ControlQuestionComment](#)
- class [Metric](#)
- class [SchemeComment](#)
- class [SchemeRights](#)
- class [SecurityAttribute](#)

4.14.1 Detailed Description

This module holds all models.

4.15 my_app.nlp Namespace Reference

Classes

- class [NLP](#)
- class [Node](#)

Functions

- def [first_word_to_lower](#) (root)
- def [parse_stanford_tree](#) (original_root)
- def [make_word_list](#) (sentence_nodes)
- def [make_sentence](#) (word_list)
- def [traverse_tree_before_node_all](#) (root, end_node)
- def [traverse_tree_after_node_all](#) (root, start_node)
- def [traverse_tree_by_tags_all](#) (root, tags, limited_tags=None)
- def [traverse_tree_by_tags_last](#) (root, tags, limited_tags=None)
- def [traverse_tree_contains_tags](#) (root, tags)
- def [remove_successive_nodes_by_tags](#) (nodes, tags)
- def [is_active_voice](#) (word_nodes)
- def [change_voice](#) (verb_node, to_active)
- def [prepare_question_node](#) (question_node)
- def [make_paths](#) (node)
- def [prepare_traversal](#) (root)
- def [traverse_path](#) (original_root)
- def [conjugate_sentence](#) (root)
- def [prepare_next_traversal](#) (visited_nodes)
- def [traverse_tree](#) (root)
- def [get_sentences](#) (complex_sentence)
- def [get_security_attribute_from_sentence](#) (description)
- def [get_metric_from_sentence](#) (description)
- def [get_type_value_from_sentence](#) (description)
- def [recommend_security_attributes](#) (description)
- def [recommend_metrics](#) (description)

Variables

- **config**

4.15.1 Detailed Description

Module for natural language processing functionality.

4.15.2 Function Documentation

4.15.2.1 `change_voice()`

```
def my_app.nlp.change_voice (
    verb_node,
    to_active )
```

Method to change the verb to it's active of passive voice with the modal verb "must".

```
:param verb_node: Verb node containing the verb to be changed
:param to_active: True if change to active voice, false to change to passive voice
```

4.15.2.2 `conjugate_sentence()`

```
def my_app.nlp.conjugate_sentence (
    root )
```

Method to conjugate verb in the sentence.

```
:param root: Root of the tree to conjugate verbs in
```

4.15.2.3 `first_word_to_lower()`

```
def my_app.nlp.first_word_to_lower (
    root )
```

If the first letter of the first word is capitalized because of the start of the sentence, make it lowercase.

```
:param root: Root of the parsed sentence (leaves are words)
```

4.15.2.4 `get_metric_from_sentence()`

```
def my_app.nlp.get_metric_from_sentence (
    description )
```

Method to get metric from control objective description.

```
:param description: Description of the control objective
:return: Metric name and metric description
```

4.15.2.5 get_security_attribute_from_sentence()

```
def my_app.nlp.get_security_attribute_from_sentence (
    description )
```

Method to get security attribute from control objective description.

```
:param description: Description of the control objective
:return: Security attribute name and security attribute description
```

4.15.2.6 get_sentences()

```
def my_app.nlp.get_sentences (
    complex_sentence )
```

Method to get simple sentences from complex ones.

```
:param complex_sentence: Sentence to be processed
:return: List of simple sentences
```

4.15.2.7 get_type_value_from_sentence()

```
def my_app.nlp.get_type_value_from_sentence (
    description )
```

Method to get control objective type value from control objective description.

```
:param description: Description of the control objective
:return: Control objective type value
```

4.15.2.8 is_active_voice()

```
def my_app.nlp.is_active_voice (
    word_nodes )
```

Method to check, if the sentence is in active or passive voice.

```
:param word_nodes: List of word nodes, the last node should be the last verb
:return: False if passive voice, true otherwise
```

4.15.2.9 `make_paths()`

```
def my_app.nlp.make_paths (
    node )
```

Method to create paths for the node.

:param node: Node to create path for

4.15.2.10 `make_sentence()`

```
def my_app.nlp.make_sentence (
    word_list )
```

Method to create sentence from word_list.

:param word_list: List of words
:return: The sentence as string

4.15.2.11 `make_word_list()`

```
def my_app.nlp.make_word_list (
    sentence_nodes )
```

Method to create word list from sentence_nodes.

:param sentence_nodes: List of sentence nodes
:return: List of words in the sentence

4.15.2.12 `parse_stanford_tree()`

```
def my_app.nlp.parse_stanford_tree (
    original_root )
```

Method to parse stanford tree into out tree structure.

:param original_root: Root of the original stanford tree
:return: Root of the new tree

4.15.2.13 prepare_next_traversal()

```
def my_app.nlp.prepare_next_traversal (
    visited_nodes )
```

Method to traverse visited_nodes and try to find next traversal to take.

```
:param visited_nodes: List of visited nodes
:return: True if the next path was found, false otherwise.
```

4.15.2.14 prepare_question_node()

```
def my_app.nlp.prepare_question_node (
    question_node )
```

Method to pre-process the question.
Find the first verb node after the question node
(should contain the initial question verb)
and place after the next NP node.

```
:param question_node: Question node of the tree to pre-process
```

4.15.2.15 prepare_traversal()

```
def my_app.nlp.prepare_traversal (
    root )
```

Method to pre-process tree for the real traversal.
Creates paths for every node.

```
:param root: Root of the tree to prepare traversal for
```

4.15.2.16 recommend_metrics()

```
def my_app.nlp.recommend_metrics (
    description )
```

Method to get recommended metrics from control objective description.

```
:param description: Description of the control objective
:return: Data of the recommended metrics
```

4.15.2.17 recommend_security_attributes()

```
def my_app.nlp.recommend_security_attributes (
    description )
```

Method to get recommended security attributes from control objective description.

:param description: Description of the control objective
:return: Data of the recommended security attributes

4.15.2.18 remove_successive_nodes_by_tags()

```
def my_app.nlp.remove_successive_nodes_by_tags (
    nodes,
    tags )
```

Method to remove nodes from the tree with the specified tags.
Stops removing when the node without the specified tag is reached.

:param nodes: List of nodes to be traversed
:param tags: Tags that the node must be labeled as to be removed

4.15.2.19 traverse_path()

```
def my_app.nlp.traverse_path (
    original_root )
```

Method to traverse one path from tree.
Collect visited nodes and create new tree from the collected nodes.

:param original_root: Root of the tree to traverse
:return: Visited nodes as list, the root of the new tree

4.15.2.20 traverse_tree()

```
def my_app.nlp.traverse_tree (
    root )
```

Method to traverse tree and collect all the sentences.

:param root: Root of the tree
:return: List of sentences containing lists of words

4.15.2.21 `traverse_tree_after_node_all()`

```
def my_app.nlp.traverse_tree_after_node_all (
    root,
    start_node )
```

Method to traverse tree and start collecting the word nodes after the specific node.

```
:param root: Root of the tree
:param start_node: Node to indicate the start of the word nodes collection
:return: List of the collected word nodes
```

4.15.2.22 `traverse_tree_before_node_all()`

```
def my_app.nlp.traverse_tree_before_node_all (
    root,
    end_node )
```

Method to traverse tree and collect the word nodes before the specific node.

```
:param root: Root of the tree
:param end_node: Node to indicate the end of the word nodes collection
:return: List of the collected word nodes
```

4.15.2.23 `traverse_tree_by_tags_all()`

```
def my_app.nlp.traverse_tree_by_tags_all (
    root,
    tags,
    limited_tags = None )
```

Method to traverse tree by tags and collect all the word nodes.

```
:param root: Root of the tree
:param tags: List of tags that are allowed for traversal
:param limited_tags: Dictionary of the tags, that have a limit for traversal, default to None (not used)
:return: List of the collected word nodes
```

4.15.2.24 `traverse_tree_by_tags_last()`

```
def my_app.nlp.traverse_tree_by_tags_last (
    root,
    tags,
    limited_tags = None )
```

Method to traverse tree by tags and collect the last (right-most) word node.

```
:param root: Root of the tree
:param tags: Tags that are allowed for traversal
:param limited_tags: Dictionary of the tags, that have a limit for traversal, default to None (not used)
:return: Right-most word node of the tree that the tags allow,
None if there is no such word node
```

4.15.2.25 `traverse_tree_contains_tags()`

```
def my_app.nlp.traverse_tree_contains_tags (
    root,
    tags )
```

Method to traverse tree to find a node that contains the tags in any order.

```
:param root: Root of the tree
:param tags: Tags that the node must contain
:return: First node that contains the tags,
None if there is no such word node
```

4.16 `my_app.rdf` Namespace Reference

Functions

- def [add_scheme](#) (rdf_graph, scheme)
- def [add_control](#) (rdf_graph, control)
- def [add_control_objective](#) (rdf_graph, control_objective)
- def [add_security_attribute](#) (rdf_graph, security_attribute)
- def [add_metric](#) (rdf_graph, metric)
- def [rdf_export](#) (scheme_ids, sca_ids, metric_ids)

Variables

- **namespaces**

4.16.1 Detailed Description

This module holds rdf export functionality.

4.16.2 Function Documentation

4.16.2.1 `add_control()`

```
def my_app.rdf.add_control (
    rdf_graph,
    control )
```

Creates rdf triples for control.

4.16.2.2 add_control_objective()

```
def my_app.rdf.add_control_objective (
    rdf_graph,
    control_objective )
```

Creates rdf triples for control objective.

4.16.2.3 add_metric()

```
def my_app.rdf.add_metric (
    rdf_graph,
    metric )
```

Creates rdf triples for metric.

4.16.2.4 add_scheme()

```
def my_app.rdf.add_scheme (
    rdf_graph,
    scheme )
```

Creates rdf triples for scheme.

4.16.2.5 add_security_attribute()

```
def my_app.rdf.add_security_attribute (
    rdf_graph,
    security_attribute )
```

Creates rdf triples for security attribute.

4.16.2.6 rdf_export()

```
def my_app.rdf.rdf_export (
    scheme_ids,
    sca_ids,
    metric_ids )
```

This method exports certification schemes to rdf triples

4.17 my_app.search Namespace Reference

Classes

- class [MetricIndex](#)
- class [SecurityAttributeIndex](#)

Functions

- def [get_metric_index](#) ()
- def [get_security_attribute_index](#) ()
- def [search](#) (metric_name)
- def [search_security](#) (security_attribute_name)
- def [search_metric_desc](#) (description)
- def [search_security_attribute_desc](#) (description)
- def [bulk_indexing](#) ()
- def [bulk_indexing_security](#) ()

Variables

- **hosts**
- **client**
- **config**

4.17.1 Detailed Description

Module for elastic search functionality.

4.17.2 Function Documentation

4.17.2.1 `bulk_indexing()`

```
def my_app.search.bulk_indexing ( )
```

Method for bulk indexing of all metrics.

4.17.2.2 `bulk_indexing_security()`

```
def my_app.search.bulk_indexing_security ( )
```

Method for bulk indexing of all security attributes.

4.17.2.3 search()

```
def my_app.search.search (
    metric_name )
```

Method for searching metrics in elastic search.

4.17.2.4 search_metric_desc()

```
def my_app.search.search_metric_desc (
    description )
```

Method for phrase match
with metric description

4.17.2.5 search_security()

```
def my_app.search.search_security (
    security_attribute_name )
```

Method for searching security attributes in elastic search.

4.17.2.6 search_security_attribute_desc()

```
def my_app.search.search_security_attribute_desc (
    description )
```

Method for phrase match
with security attributes description

4.18 my_app.signals Namespace Reference

Functions

- def [index_metric](#) (sender, instance, kwargs)
- def [remove_metric](#) (sender, instance, kwargs)
- def [index_security_attribute](#) (sender, instance, kwargs)
- def [remove_security_attribute](#) (sender, instance, kwargs)
- def [set_is_staff](#) (sender, instance, kwargs)

Variables

- **post_save**
- **sender**

4.18.1 Detailed Description

This module holds all signal methods. Signal methods are run when something defined in @receiver happens in system.

4.18.2 Function Documentation

4.18.2.1 `index_metric()`

```
def my_app.signals.index_metric (
    sender,
    instance,
    kwargs )
```

This method fires when metric is being saved into SQL database.

4.18.2.2 `index_security_attribute()`

```
def my_app.signals.index_security_attribute (
    sender,
    instance,
    kwargs )
```

This method fires when security attribute is being saved into SQL database.

4.18.2.3 `remove_metric()`

```
def my_app.signals.remove_metric (
    sender,
    instance,
    kwargs )
```

This method fires when metric is being deleted from SQL database.

4.18.2.4 remove_security_attribute()

```
def my_app.signals.remove_security_attribute (
    sender,
    instance,
    kwargs )
```

This method fires when security attribute is being deleted from SQL database.

4.18.2.5 set_is_staff()

```
def my_app.signals.set_is_staff (
    sender,
    instance,
    kwargs )
```

This method fires when user is being saved into SQL database.

4.19 my_app.urls Namespace Reference

Variables

- **urlpatterns**
- string **name** = "index"),

4.19.1 Detailed Description

This module holds all urls.

4.20 my_app.views.cloud_service_create_view Namespace Reference

Classes

- class [CloudServiceCreateView](#)

4.20.1 Detailed Description

This module holds view for cloud service create.

4.21 my_app.views.cloud_service_overview_view Namespace Reference

Classes

- class [CloudServicesOverviewView](#)

4.21.1 Detailed Description

This module holds view for scheme overview.

4.22 my_app.views.cloud_service_provider_register_view Namespace Reference

Classes

- class [CloudServiceProviderRegisterView](#)

4.22.1 Detailed Description

This module holds view for cloud service provider registration.

4.23 my_app.views.control_approval_view Namespace Reference

Classes

- class [ControlApprovalView](#)

4.23.1 Detailed Description

This module holds view for control approval.

4.24 my_app.views.control_assessment_view Namespace Reference

Classes

- class [ControlAssessmentView](#)

4.24.1 Detailed Description

This module holds view for control assessment.

4.25 my_app.views.control_create_view Namespace Reference

Classes

- class [ControlCreateView](#)

4.25.1 Detailed Description

This module holds view for control create.

4.26 my_app.views.control_delete_view Namespace Reference

Classes

- class [ControlDeleteView](#)

4.26.1 Detailed Description

This module holds view for control delete.

4.27 my_app.views.control_detail_view Namespace Reference

Classes

- class [ControlDetailView](#)

4.27.1 Detailed Description

This module holds view for control detail.

4.28 my_app.views.control_edit_view Namespace Reference

Classes

- class [ControlEditView](#)

4.28.1 Detailed Description

This module holds view for control edit.

4.29 my_app.views.control_objective_approval_view Namespace Reference

Classes

- class [ControlObjectiveApprovalView](#)

4.29.1 Detailed Description

This module holds view for control objective approval.

4.30 my_app.views.control_objective_assessment_view Namespace Reference

Classes

- class [ControlObjectiveAssessmentView](#)

4.30.1 Detailed Description

This module holds view for control objective assessment.

4.31 my_app.views.control_objective_automatization_view Namespace Reference

Classes

- class [ControlObjectiveAutomatizationView](#)

4.31.1 Detailed Description

This module holds view for control objective automatization.

4.32 my_app.views.control_objective_create_view Namespace Reference

Classes

- class [ControlObjectiveCreateView](#)

4.32.1 Detailed Description

This module holds view for control objective create.

4.33 my_app.views.control_objective_delete_view Namespace Reference

Classes

- class [ControlObjectiveDeleteView](#)

4.33.1 Detailed Description

This module holds view for control objective delete.

4.34 my_app.views.control_objective_detail_view Namespace Reference

Classes

- class [ControlObjectiveDetailView](#)

4.34.1 Detailed Description

This module holds view for control objective detail.

4.35 my_app.views.control_objective_edit_view Namespace Reference

Classes

- class [ControlObjectiveEditView](#)

4.35.1 Detailed Description

This module holds view for control objective edit.

4.36 my_app.views.control_objective_generate_view Namespace Reference

Classes

- class [GenerateChooseView](#)
- class [GenerateForControlQuestionView](#)
- class [GenerateForControlView](#)

Functions

- def [create_control_objectives](#) (generated_descriptions, form, control, control_question=None)

4.36.1 Detailed Description

This module holds views for automatic generation of control objectives.

4.36.2 Function Documentation

4.36.2.1 `create_control_objectives()`

```
def my_app.views.control_objective_generate_view.create_control_objectives (
    generated_descriptions,
    form,
    control,
    control_question = None )
```

This method creates control objectives in atomic transaction.
In case of unique constraint violation,
error messages are returned.

4.37 `my_app.views.control_question_approval_view` Namespace Reference

Classes

- class [ControlQuestionApprovalView](#)

4.37.1 Detailed Description

This module holds view for control question approval.

4.38 `my_app.views.control_question_assessment_view` Namespace Reference

Classes

- class [ControlQuestionAssessmentView](#)

4.38.1 Detailed Description

This module holds view for control question assessment.

4.39 `my_app.views.control_question_create_view` Namespace Reference

Classes

- class [ControlQuestionCreateView](#)

4.39.1 Detailed Description

This module holds view for control question create.

4.40 my_app.views.control_question_delete_view Namespace Reference

Classes

- class [ControlQuestionDeleteView](#)

4.40.1 Detailed Description

This module holds view for control question delete.

4.41 my_app.views.control_question_edit_view Namespace Reference

Classes

- class [ControlQuestionEditView](#)

4.41.1 Detailed Description

This module holds view for control_question edit.

4.42 my_app.views.elements_choose_view Namespace Reference

Classes

- class [ElementsChooseView](#)

4.42.1 Detailed Description

This module holds view for scheme choose.

4.43 my_app.views.error_pages_view Namespace Reference

Functions

- def [error_404](#) (request)
- def [error_500](#) (request)
- def [error_404_demo](#) (request)
- def [error_500_demo](#) (request)

4.43.1 Detailed Description

This module holds view for custom error pages.

4.43.2 Function Documentation

4.43.2.1 `error_404()`

```
def my_app.views.error_pages_view.error_404 (  
    request )
```

Method for handling error 404

4.43.2.2 `error_404_demo()`

```
def my_app.views.error_pages_view.error_404_demo (  
    request )
```

Method for handling error demo 404

4.43.2.3 `error_500()`

```
def my_app.views.error_pages_view.error_500 (  
    request )
```

Method for handling error 500

4.43.2.4 `error_500_demo()`

```
def my_app.views.error_pages_view.error_500_demo (  
    request )
```

Method for handling error demo 404

4.44 my_app.views.home_page_view Namespace Reference

Classes

- class [HomePageView](#)

4.44.1 Detailed Description

This module holds view for home page.

4.45 my_app.views.metric_approval_view Namespace Reference

Classes

- class [MetricApprovalView](#)

4.45.1 Detailed Description

This module holds view for metric approval.

4.46 my_app.views.metric_change_view Namespace Reference

Classes

- class [MetricChangeView](#)

4.46.1 Detailed Description

This module holds view for metric change.

4.47 my_app.views.my_login_view Namespace Reference

Classes

- class [MyLoginView](#)

4.47.1 Detailed Description

This module holds view for my login.

4.48 my_app.views.my_registration_view Namespace Reference

Classes

- class [MyRegistrationView](#)

4.48.1 Detailed Description

This module holds view for registration.

4.49 my_app.views.password_reset_view Namespace Reference

Classes

- class [PasswordResetView](#)

4.49.1 Detailed Description

This module holds view for password reset.

4.50 my_app.views.public_view Namespace Reference

Functions

- def [get_viewable_schemes_rights](#) (user)
- def [get_viewable_schemes](#) ()
- def [get_assessable_metrics](#) ()
- def [get_assessable_security_attributes](#) ()
- def [get_security_attribute](#) (request)
- def [get_metric](#) (request)
- def [get_control_domain](#) (request)
- def [get_metrics](#) (request)
- def [get_security_attributes](#) (request)
- def [get_similar_metrics_by_desc](#) (request)
- def [get_similar_metrics_by_name](#) (request)
- def [get_similar_security_attributes_by_desc](#) (request)
- def [get_similar_security_attributes_by_name](#) (request)
- def [get_control_objective](#) (request)
- def [describe_security_attributes](#) (request)

4.50.1 Detailed Description

This module holds all public methods used by the other views.

4.50.2 Function Documentation

4.50.2.1 describe_security_attributes()

```
def my_app.views.public_view.describe_security_attributes (
    request )
```

Method for describing security attributes

4.50.2.2 get_assessable_metrics()

```
def my_app.views.public_view.get_assessable_metrics ( )
```

Method to get metrics, that can be approved, rejected or changed.

4.50.2.3 get_assessable_security_attributes()

```
def my_app.views.public_view.get_assessable_security_attributes ( )
```

Method to get security attributes,
that can be approved, rejected or changed.

4.50.2.4 get_control_domain()

```
def my_app.views.public_view.get_control_domain (
    request )
```

Get control domain for select

4.50.2.5 get_control_objective()

```
def my_app.views.public_view.get_control_objective (
    request )
```

Get control objective for scheme compare detail

4.50.2.6 `get_metric()`

```
def my_app.views.public_view.get_metric (
    request )
```

Get metric for select

4.50.2.7 `get_metrics()`

```
def my_app.views.public_view.get_metrics (
    request )
```

Get available metrics for current search

4.50.2.8 `get_security_attribute()`

```
def my_app.views.public_view.get_security_attribute (
    request )
```

Get security attribute for select.

4.50.2.9 `get_security_attributes()`

```
def my_app.views.public_view.get_security_attributes (
    request )
```

Get available security attributes for current search

4.50.2.10 `get_similar_metrics_by_desc()`

```
def my_app.views.public_view.get_similar_metrics_by_desc (
    request )
```

Get similar metrics by description for current metric

4.50.2.11 get_similar_metrics_by_name()

```
def my_app.views.public_view.get_similar_metrics_by_name (
    request )
```

Get similar metrics by name for current metric

4.50.2.12 get_similar_security_attributes_by_desc()

```
def my_app.views.public_view.get_similar_security_attributes_by_desc (
    request )
```

Get similar security attributes by description
for current security_attributes

4.50.2.13 get_similar_security_attributes_by_name()

```
def my_app.views.public_view.get_similar_security_attributes_by_name (
    request )
```

Get similar security attributes by name
for current security attributes

4.50.2.14 get_viewable_schemes()

```
def my_app.views.public_view.get_viewable_schemes ( )
```

Method to get schemes, that can be viewed.

4.50.2.15 get_viewable_schemes_rights()

```
def my_app.views.public_view.get_viewable_schemes_rights (
    user )
```

Method to get ids of the schemes the user can view.

4.51 my_app.views.rdf_export_view Namespace Reference

Classes

- class [RdfExportView](#)

4.51.1 Detailed Description

This module holds view for rdf export.

4.52 my_app.views.scheme_approval_view Namespace Reference

Classes

- class [SchemeApprovalView](#)

4.52.1 Detailed Description

This module holds view for scheme approval.

4.53 my_app.views.scheme_compare_choose_view Namespace Reference

Classes

- class [SchemeCompareChooseView](#)

4.53.1 Detailed Description

This module holds view for scheme compare choose.

4.54 my_app.views.scheme_compare_view Namespace Reference

Classes

- class [SchemeCompareView](#)

Functions

- def [xstr](#) (s)
- def [compare_sentences](#) (sentence_1, sentence_2)
- def [compare_type_values](#) (security_attribute_1, security_attribute_2)

4.54.1 Detailed Description

This module holds view for scheme compare.

4.54.2 Function Documentation

4.54.2.1 compare_sentences()

```
def my_app.views.scheme_compare_view.compare_sentences (
    sentence_1,
    sentence_2 )
```

Method for comparing sentences

4.54.2.2 compare_type_values()

```
def my_app.views.scheme_compare_view.compare_type_values (
    security_attribute_1,
    security_attribute_2 )
```

Method for comparing values

4.54.2.3 xstr()

```
def my_app.views.scheme_compare_view.xstr (
    s )
```

Method for something

4.55 my_app.views.scheme_create_view Namespace Reference

Classes

- class [SchemeCreateView](#)

4.55.1 Detailed Description

This module holds view for scheme create.

4.56 my_app.views.scheme_delete_view Namespace Reference

Classes

- class [SchemeDeleteView](#)

4.56.1 Detailed Description

This module holds view for scheme delete.

4.57 my_app.views.scheme_detail_view Namespace Reference

Classes

- class [SchemeDetailView](#)

4.57.1 Detailed Description

This module holds view for scheme detail.

4.58 my_app.views.scheme_edit_view Namespace Reference

Classes

- class [SchemeEditView](#)

4.58.1 Detailed Description

This module holds view for scheme edit.

4.59 my_app.views.scheme_import_view Namespace Reference

Classes

- class [SchemeImportView](#)

4.59.1 Detailed Description

This module holds view for scheme import.

4.60 my_app.views.scheme_overview_view Namespace Reference

Classes

- class [SchemeOverviewView](#)

4.60.1 Detailed Description

This module holds view for scheme overview.

4.61 my_app.views.scheme_rights_set_view Namespace Reference

Classes

- class [SchemeRightsSetView](#)

4.61.1 Detailed Description

This module holds view for scheme edit rights set.

4.62 my_app.views.security_approval_view Namespace Reference

Classes

- class [SecurityApprovalView](#)

4.62.1 Detailed Description

This module holds view for security approval view.

4.63 my_app.views.security_change_view Namespace Reference

Classes

- class [SecurityChangeView](#)

4.63.1 Detailed Description

This module holds view for security change.

4.64 my_login_form Namespace Reference

Classes

- class [MyLoginForm](#)

4.64.1 Detailed Description

This module holds form for my login.

4.65 my_register_form Namespace Reference

Classes

- class [MyRegistrationForm](#)

4.65.1 Detailed Description

This module holds form for registration of users.

4.66 password_reset_form Namespace Reference

Classes

- class [PasswordResetForm](#)

4.66.1 Detailed Description

This module holds form for password reset.

4.67 scheme_compare_choose_form Namespace Reference

Classes

- class [SchemeCompareChooseForm](#)

4.67.1 Detailed Description

This module holds form for scheme compare choose.

4.68 `scheme_create_form` Namespace Reference

Classes

- class [SchemeCreateForm](#)

4.68.1 Detailed Description

This module holds form for scheme create.

4.69 `scheme_import_form` Namespace Reference

Classes

- class [SchemeImportForm](#)

4.69.1 Detailed Description

This module holds form for scheme import.

4.70 `scheme_rights_set_form` Namespace Reference

Classes

- class [SchemeRightsSetForm](#)

4.70.1 Detailed Description

This module holds form for scheme rights set.

4.71 `security_change_form` Namespace Reference

Classes

- class [SecurityChangeForm](#)

4.71.1 Detailed Description

This module holds form for security change.

Chapter 5

Class Documentation

5.1 my_app.models.CertificationScheme Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)
- def `can_assess` (self)
- def `get_viewable_controls` (self)
- def `get_assessable_controls` (self)
- def `get_unassessable_controls` (self)
- def `get_generateable_controls` (self)
- def `get_generateable_control_questions` (self)
- def `can_view_rights` (self, user)
- def `can_edit_rights` (self, user)
- def `scheme_status` (self, user)
- def `can_review_rights` (self, user)
- def `can_setrights_rights` (self, user)
- def `can_publish_rights` (self, user)

Static Public Attributes

- `scheme_name`
- `max_length`
- `identifier`
- `version`
- `publisher`
- `NEW`
- `APPROVED`
- `REJECTED`

- REWORK
- PUBLISHED
- STATUS_CHOICES
- CAN_VIEW_CHOICES
- CAN_EDIT_CHOICES
- CAN_DELETE_CHOICES
- CAN_REVIEW_CHOICES
- CAN_SET_RIGHTS_CHOICES
- CAN_PUBLISH_CHOICES
- status
- choices
- default

5.1.1 Detailed Description

Model for certification scheme

5.1.2 Member Function Documentation

5.1.2.1 can_assess()

```
def my_app.models.CertificationScheme.can_assess (
    self )
```

Method to check if this scheme can be assessed.

5.1.2.2 can_edit_rights()

```
def my_app.models.CertificationScheme.can_edit_rights (
    self,
    user )
```

Method to check if user can edit this certification scheme.

5.1.2.3 can_publish_rights()

```
def my_app.models.CertificationScheme.can_publish_rights (
    self,
    user )
```

Method to check if user can publish this certification scheme.

5.1.2.4 can_review_rights()

```
def my_app.models.CertificationScheme.can_review_rights (
    self,
    user )
```

Method to check if user can review this certification scheme.

5.1.2.5 can_setrights_rights()

```
def my_app.models.CertificationScheme.can_setrights_rights (
    self,
    user )
```

Method to check if user can set rights to this certification scheme.

5.1.2.6 can_view_rights()

```
def my_app.models.CertificationScheme.can_view_rights (
    self,
    user )
```

Method to check if user can view this certification scheme.

5.1.2.7 `get_assessable_controls()`

```
def my_app.models.CertificationScheme.get_assessable_controls (
    self )
```

Method to get assessable controls.

5.1.2.8 `get_generateable_control_questions()`

```
def my_app.models.CertificationScheme.get_generateable_control_questions (
    self )
```

Method to get control questions,
that control objectives can be generated for.

5.1.2.9 `get_generateable_controls()`

```
def my_app.models.CertificationScheme.get_generateable_controls (
    self )
```

Method to get controls,
that control objectives can be generated for.

5.1.2.10 `get_unassessable_controls()`

```
def my_app.models.CertificationScheme.get_unassessable_controls (
    self )
```

Method to get unassessable controls.

5.1.2.11 `get_viewable_controls()`

```
def my_app.models.CertificationScheme.get_viewable_controls (
    self )
```

Method to get viewable controls.

5.1.2.12 `scheme_status()`

```
def my_app.models.CertificationScheme.scheme_status (
    self,
    user )
```

Method to return role of user for scheme.

5.2 my_app.models.CloudService Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)

Static Public Attributes

- `provider`
- `CloudServiceProvider`
- `on_delete`
- `service_name`
- `max_length`
- `unique`
- `description`
- `IAAS`
- `SAAS`
- `PAAS`
- `MBAAS`
- `SERVERLESS`
- `SERVICE_CHOICES`
- `service_model`
- `choices`
- `default`
- `PRIVATE`
- `PUBLIC`
- `HYBRID`
- `COMMUNITY`
- `DISTRIBUTED`
- `MULTI`
- `BIGDATA`
- `HPC`
- `DEPLOYMENT_CHOICES`
- `deployment_model`

5.2.1 Detailed Description

Model for cloud service

5.3 cloud_service_create_form.CloudServiceCreateForm Class Reference

Inherits Form.

Static Public Attributes

- **service_name**
- **description**
- **service_model**
- **deployment_model**

5.3.1 Detailed Description

Form for creating cloud service.

5.3.2 Member Data Documentation

5.3.2.1 deployment_model

cloud_service_create_form.CloudServiceCreateForm.deployment_model [static]

Initial value:

```
= forms.ChoiceField(choices=CloudService.DEPLOYMENT_CHOICES, required=True,
                    label=_("Deployment model"))
```

5.3.2.2 description

cloud_service_create_form.CloudServiceCreateForm.description [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}), label=_("Description"),
    max_length=CloudService._meta.get_field("description").max_length
)
```


5.3.2.3 service_model

cloud_service_create_form.CloudServiceCreateForm.service_model [static]

Initial value:

```
= forms.ChoiceField(choices=CloudService.SERVICE_CHOICES, required=True,
                    label=_("Service model"))
```

5.3.2.4 service_name

cloud_service_create_form.CloudServiceCreateForm.service_name [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}), label=_("Cloud service name"),
    max_length=CloudService._meta.get_field("service_name").max_length
)
```

5.4 my_app.views.cloud_service_create_view.CloudServiceCreateView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class = \`

5.4.1 Detailed Description

Class-based view for cloud service creation.

5.4.2 Member Function Documentation

5.4.2.1 get()

```
def my_app.views.cloud_service_create_view.CloudServiceCreateView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.4.2.2 post()

```
def my_app.views.cloud_service_create_view.CloudServiceCreateView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect
after cloud service creation.

5.5 my_app.models.CloudServiceProvider Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)

Static Public Attributes

- `user`
- `User`
- `on_delete`
- `provider_name`
- `max_length`
- `unique`

5.5.1 Detailed Description

Model for cloud service provider

5.6 cloud_service_provider_register_form.CloudServiceProviderRegisterForm Class Reference

Inherits Form.

Static Public Attributes

- **provider_name**
- **next** = forms.CharField(widget=forms.HiddenInput(), required=False)

5.6.1 Detailed Description

Form for cloud service provider registration.

5.6.2 Member Data Documentation

5.6.2.1 provider_name

cloud_service_provider_register_form.CloudServiceProviderRegisterForm.provider_name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": ""}),  
    label=_("Provider name"),  
    max_length=CloudServiceProvider._meta.get_field(  
        "provider_name").max_length)
```

5.7 my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class = \`

5.7.1 Detailed Description

Class-based view for cloud service provider registration.

5.7.2 Member Function Documentation

5.7.2.1 `get()`

```
def my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.7.2.2 `post()`

```
def my_app.views.cloud_service_provider_register_view.CloudServiceProviderRegisterView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns `HttpResponseRedirect` after
cloud service provider registration.

5.8 `my_app.views.cloud_service_overview_view.CloudServicesOverviewView` Class Reference

Inherits `TemplateView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.8.1 Detailed Description

Class-based view for cloud services overview.

5.8.2 Member Function Documentation

5.8.2.1 get()

```
def my_app.views.cloud_service_overview_view.CloudServicesOverviewView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.9 comment_form.CommentForm Class Reference

Inherits Form.

Static Public Attributes

- **comment_text**

5.9.1 Detailed Description

Form for comments

5.9.2 Member Data Documentation

5.9.2.1 comment_text

comment_form.CommentForm.comment_text [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(attrs={
        "placeholder": _("Place for comment")}),
    label=_("Comment"),
    max_length=ControlComment._meta.get_field("comment_text").max_length)
```

5.10 my_app.models.Control Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)
- def `get_viewable_control_questions` (self)
- def `get_automatization_viewable_control_objectives` (self)
- def `get_viewable_control_objectives` (self)
- def `get_automatization_control_objectives` (self)
- def `get_assessable_control_objectives` (self)
- def `get_unassessable_control_objectives` (self)
- def `get_assessable_control_questions` (self)
- def `get_unassessable_control_questions` (self)

Static Public Attributes

- **scheme**
- **CertificationScheme**
- **on_delete**
- **identifier**
- **max_length**
- **description**
- **NEW**
- **APPROVED**
- **REJECTED**
- **REWORK**
- **STATUS_CHOICES**
- **CAN_VIEW_CHOICES**
- **CAN_EDIT_CHOICES**
- **CAN_DELETE_CHOICES**
- **CAN_REVIEW_CHOICES**
- **status**
- **choices**
- **default**

5.10.1 Detailed Description

Model for control

5.10.2 Member Function Documentation

5.10.2.1 get_assessable_control_objectives()

```
def my_app.models.Control.get_assessable_control_objectives (
    self )
```

Method to get assessable control objectives.

5.10.2.2 get_assessable_control_questions()

```
def my_app.models.Control.get_assessable_control_questions (
    self )
```

Method to get assessable control questions.

5.10.2.3 get_automatization_control_objectives()

```
def my_app.models.Control.get_automatization_control_objectives (
    self )
```

Method to get automatically generateable control objectives.

5.10.2.4 get_automatization_viewable_control_objectives()

```
def my_app.models.Control.get_automatization_viewable_control_objectives (
    self )
```

Method to get automatically generateable and viewable control objectives.

5.10.2.5 get_unassessable_control_objectives()

```
def my_app.models.Control.get_unassessable_control_objectives (
    self )
```

Method to get unassessable control objectives.

5.10.2.6 `get_unassessable_control_questions()`

```
def my_app.models.Control.get_unassessable_control_questions (
    self )
```

Method to get unassessable control objectives.

5.10.2.7 `get_viewable_control_objectives()`

```
def my_app.models.Control.get_viewable_control_objectives (
    self )
```

Method to get viewable control objectives.

5.10.2.8 `get_viewable_control_questions()`

```
def my_app.models.Control.get_viewable_control_questions (
    self )
```

Method to get viewable control questions.

5.11 `my_app.views.control_approval_view.ControlApprovalView` Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = [comment_form.CommentForm](#)

5.11.1 Detailed Description

Class-based view for control approval.

5.11.2 Member Function Documentation

5.11.2.1 get()

```
def my_app.views.control_approval_view.ControlApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.11.2.2 post()

```
def my_app.views.control_approval_view.ControlApprovalView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method. Returns HttpResponse for input request.

5.12 my_app.views.control_assessment_view.ControlAssessmentView Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.12.1 Detailed Description

Class-based view for control assessment.

5.12.2 Member Function Documentation

5.12.2.1 `get()`

```
def my_app.views.control_assessment_view.ControlAssessmentView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.13 `my_app.models.ControlComment` Class Reference

Inherits `Model`.

Classes

- class [Meta](#)

Public Member Functions

- `def __str__(self)`

Static Public Attributes

- `control`
- `author`
- `User`
- `default`
- `comment_text`
- `max_length`
- `date`

5.13.1 Detailed Description

Model for control comments

5.14 `control_create_form.ControlCreateForm` Class Reference

Inherits `Form`.

Static Public Attributes

- `identifier`
- `description`

5.14.1 Detailed Description

Form for control creation.

5.14.2 Member Data Documentation

5.14.2.1 description

control_create_form.ControlCreateForm.description [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}, label=_("Description"),
    max_length=Control._meta.get_field("description").max_length)
```

5.14.2.2 identifier

control_create_form.ControlCreateForm.identifier [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}, label=_("Identifier"),
    max_length=Control._meta.get_field("identifier").max_length)
```

5.15 my_app.views.control_create_view.ControlCreateView Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = [control_create_form.ControlCreateForm](#)

5.15.1 Detailed Description

Class-based view for control creation.

5.15.2 Member Function Documentation

5.15.2.1 `get()`

```
def my_app.views.control_create_view.ControlCreateView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.15.2.2 `post()`

```
def my_app.views.control_create_view.ControlCreateView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns `HttpResponseRedirect` after control creation.

5.16 `my_app.views.control_delete_view.ControlDeleteView` Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.16.1 Detailed Description

Class-based view for control delete.

5.16.2 Member Function Documentation

5.16.2.1 get()

```
def my_app.views.control_delete_view.ControlDeleteView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.17 my_app.views.control_detail_view.ControlDetailView Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.17.1 Detailed Description

Class-based view for control detail.

5.17.2 Member Function Documentation

5.17.2.1 get()

```
def my_app.views.control_detail_view.ControlDetailView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.18 my_app.models.ControlDomain Class Reference

Inherits `Model`.

Classes

- class [Meta](#)

Public Member Functions

- `def __str__ (self)`

Static Public Attributes

- `control_domain_name`
- `max_length`
- `description`
- `unique`

5.18.1 Detailed Description

Model for control domain

5.19 control_domain_select_form.ControlDomainSelectForm Class Reference

Inherits Form.

Static Public Attributes

- `control_domain`
- `control_domain_details`

5.19.1 Detailed Description

Form for control domain selection

5.19.2 Member Data Documentation

5.19.2.1 control_domain

`control_domain_select_form.ControlDomainSelectForm.control_domain` [static]

Initial value:

```
= forms.ModelChoiceField(  
    required=False,  
    widget=forms.Select(),  
    queryset=ControlDomain.objects.all(),  
    label=_("Control domain"))
```

5.19.2.2 control_domain_details

control_domain_select_form.ControlDomainSelectForm.control_domain_details [static]

Initial value:

```
= forms.BooleanField(
    required=False,
    label=_("Control domain details"),
    widget=forms.CheckboxInput(),
    initial=False)
```

5.20 my_app.views.control_edit_view.ControlEditView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [control_create_form.ControlCreateForm](#)

5.20.1 Detailed Description

Class-based view for control edit.

5.20.2 Member Function Documentation

5.20.2.1 get()

```
def my_app.views.control_edit_view.ControlEditView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.20.2.2 post()

```
def my_app.views.control_edit_view.ControlEditView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control edit.

5.21 my_app.models.ControlObjective Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)
- def `get_value` (self)

Static Public Attributes

- `control`
- `Control`
- `on_delete`
- `control_question`
- `ControlQuestion`
- `null`
- `True`
- `security_attribute`
- `SecurityAttribute`
- `identifier`
- `max_length`
- `unique`
- `description`
- `value_min`
- `blank`
- `value_max`
- `evaluation_interval`
- `NEW`
- `APPROVED`
- `REJECTED`
- `REWORK`
- `GENERATED`
- `STATUS_CHOICES`

- CAN_VIEW_CHOICES
- CAN_EDIT_CHOICES
- CAN_AUTOMATIZATION_CHOICES
- CAN_DELETE_CHOICES
- CAN_REVIEW_CHOICES
- status
- choices
- default
- NONE
- GV
- MIN_GV
- MAX_GV
- BETWEEN_GV
- TYPE_CHOICES
- type

5.21.1 Detailed Description

Model for control objective

5.21.2 Member Function Documentation

5.21.2.1 get_value()

```
def my_app.models.ControlObjective.get_value (
    self )
```

This method returns value according to type.

5.22 my_app.views.control_objective_approval_view.ControlObjectiveApprovalView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [comment_form.CommentForm](#)

5.22.1 Detailed Description

Class-based view for control objective approval

5.22.2 Member Function Documentation

5.22.2.1 `get()`

```
def my_app.views.control_objective_approval_view.ControlObjectiveApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.22.2.2 `post()`

```
def my_app.views.control_objective_approval_view.ControlObjectiveApprovalView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method. Returns HttpResponse for input request.

5.23 `my_app.views.control_objective_assessment_view.ControlObjectiveAssessmentView` Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.23.1 Detailed Description

Class-based view for control objective assessment

5.23.2 Member Function Documentation

5.23.2.1 get()

```
def my_app.views.control_objective_assessment_view.ControlObjectiveAssessmentView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.24 control_objective_automatization_form.ControlObjectiveAutomatizationForm Class Reference

Inherits Form.

Static Public Attributes

- **identifier**
- **description**

5.24.1 Detailed Description

Form for control objective automatization.

5.24.2 Member Data Documentation

5.24.2.1 description

```
control_objective_automatization_form.ControlObjectiveAutomatizationForm.description [static]
```

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of control objective")}),
    label=_("Description"),
    max_length=ControlObjective._meta.get_field("description").max_length)
```

5.24.2.2 identifier

`control_objective_automatization_form.ControlObjectiveAutomatizationForm.identifier` [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Identifier of control objective"),
              "size": 40}),
    label=_("Identifier"),
    max_length=ControlObjective._meta.get_field("identifier").max_length)
```

5.25 my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Member Functions

- def [update_control_objective](#) (user, form, control_objective)

Static Public Attributes

- **form_class** = control_objective_automatization_form.\
- **sa_search_class** = control_objective_automatization_form.\
- **sa_recommend_class** = control_objective_automatization_form.\
- **sa_generate_class** = control_objective_automatization_form.\
- **met_sa_search_class** = control_objective_automatization_form.\
- **met_sa_recommend_class** = control_objective_automatization_form.\
- **met_search_class** = control_objective_automatization_form.\
- **met_generate_class** = control_objective_automatization_form.\
- **met_recommend_class** = control_objective_automatization_form.\
- **form_rest_class** = control_objective_automatization_form.\
- **form_save_class** = control_objective_automatization_form.\

5.25.1 Detailed Description

Class-based view for control objective automatization.

5.25.2 Member Function Documentation

5.25.2.1 get()

```
def my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView.get
(
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.25.2.2 post()

```
def my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView.post
(
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control objective creation.

5.25.2.3 update_control_objective()

```
def my_app.views.control_objective_automatization_view.ControlObjectiveAutomatizationView.↵
update_control_objective (
    user,
    form,
    control_objective ) [static]
```

This method creates security attribute,
metric and control objective in atomic transaction.
In case of unique constraint violation,
error messages are returned.

5.26 my_app.models.ControlObjectiveComment Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- `def __str__ (self)`

Static Public Attributes

- `control_objective`
- `author`
- `User`
- `default`
- `comment_text`
- `max_length`
- `date`

5.26.1 Detailed Description

Model for control objective comments

5.27 control_objective_create_form.ControlObjectiveCreateForm Class Reference

Inherits Form.

Static Public Attributes

- `identifier`
- `description`
- `new_security_attribute`
- `find_security_attribute`
- `security_attribute`
- `security_attribute_name`
- `security_attribute_description`
- `new_metric`
- `find_metric`
- `metric`
- `metric_name`
- `metric_description`
- `metric_expression`
- `metric_measuring_interval`
- `control_domain`
- `type`
- `type_value`
- `type_value_2`
- `evaluation_interval`

5.27.1 Detailed Description

Form for control objective creation.

5.27.2 Member Data Documentation

5.27.2.1 control_domain

control_objective_create_form.ControlObjectiveCreateForm.control_domain [static]

Initial value:

```
= forms.ModelFormChoiceField(
    widget=forms.Select(),
    queryset=ControlDomain.objects.all(),
    empty_label=None,
    label=_("Security attribute control domain"))
```

5.27.2.2 description

control_objective_create_form.ControlObjectiveCreateForm.description [static]

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of control objective")}),
    label=_("Description"),
    max_length=ControlObjective._meta.get_field("description").max_length)
```

5.27.2.3 evaluation_interval

control_objective_create_form.ControlObjectiveCreateForm.evaluation_interval [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder":
            _("Evaluation interval of control objective"),
            "size": 45}),
    label=_("Evaluation interval"),
    max_length=ControlObjective._meta.get_field(
        "evaluation_interval").max_length)
```

5.27.2.4 find_metric

control_objective_create_form.ControlObjectiveCreateForm.find_metric [static]

Initial value:

```
= forms.CharField(
    required=False,
    widget=forms.TextInput(
        attrs={"placeholder": _("Search metric..."), "size": 40}),
    label=_("Metric Search"))
```

5.27.2.5 find_security_attribute

control_objective_create_form.ControlObjectiveCreateForm.find_security_attribute [static]

Initial value:

```
= forms.CharField(
    required=False,
    widget=forms.TextInput(
        attrs={"placeholder": _("Search security attribute..."),
            "size": 40}),
    label=_("Security Attribute Search"))
```

5.27.2.6 identifier

control_objective_create_form.ControlObjectiveCreateForm.identifier [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Identifier of control objective"),
            "size": 40}),
    label=_("Identifier"),
    max_length=ControlObjective._meta.get_field("identifier").max_length)
```

5.27.2.7 metric

control_objective_create_form.ControlObjectiveCreateForm.metric [static]

Initial value:

```
= forms.ModelChoiceField(
    widget=forms.Select(),
    queryset=Metric.objects.all(),
    empty_label=None,
    label=_("Security attribute metric"))
```


5.27.2.8 metric_description

control_objective_create_form.ControlObjectiveCreateForm.metric_description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")}),  
    label=_("Metric description"),  
    max_length=Metric._meta.get_field("description").max_length)
```

5.27.2.9 metric_expression

control_objective_create_form.ControlObjectiveCreateForm.metric_expression [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    max_length=Metric._meta.get_field("expression").max_length)
```

5.27.2.10 metric_measuring_interval

control_objective_create_form.ControlObjectiveCreateForm.metric_measuring_interval [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")}),  
    label=_("Metric measuring interval"))
```

5.27.2.11 metric_name

control_objective_create_form.ControlObjectiveCreateForm.metric_name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    max_length=Metric._meta.get_field("metric_name").max_length)
```

5.27.2.12 new_metric

control_objective_create_form.ControlObjectiveCreateForm.new_metric [static]

Initial value:

```
= forms.BooleanField(  
    required=False,  
    widget=forms.CheckboxInput(),  
    label=_("New metric"))
```

5.27.2.13 new_security_attribute

control_objective_create_form.ControlObjectiveCreateForm.new_security_attribute [static]

Initial value:

```
= forms.BooleanField(  
    required=False,  
    widget=forms.CheckboxInput(),  
    label=_("New security attribute"))
```

5.27.2.14 security_attribute

control_objective_create_form.ControlObjectiveCreateForm.security_attribute [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    queryset=SecurityAttribute.objects.all(),  
    empty_label=None,  
    label=_("Security attribute"))
```

5.27.2.15 security_attribute_description

control_objective_create_form.ControlObjectiveCreateForm.security_attribute_description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of security attribute")}),  
    label=_("Security attribute description"),  
    max_length=SecurityAttribute._meta.get_field("description").max_length)
```

5.27.2.16 security_attribute_name

control_objective_create_form.ControlObjectiveCreateForm.security_attribute_name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Name of security attribute")},  
        label=_("Security attribute name"),  
        max_length=SecurityAttribute._meta.get_field(  
            "security_attribute_name").max_length)
```

5.27.2.17 type

control_objective_create_form.ControlObjectiveCreateForm.type [static]

Initial value:

```
= forms.ChoiceField(  
    choices=ControlObjective.TYPE_CHOICES,  
    label=_("Type"),  
    initial="",  
    widget=forms.Select())
```

5.27.2.18 type_value

control_objective_create_form.ControlObjectiveCreateForm.type_value [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Value for chosen type"), "size": 30}),  
    label=_("Type value"),  
    max_length=max(ControlObjective._meta.get_field(  
        "value_min").max_length,  
        ControlObjective._meta.get_field(  
            "value_max").max_length)
```

5.27.2.19 type_value_2

control_objective_create_form.ControlObjectiveCreateForm.type_value_2 [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Second value for chosen type"),  
            "size": 30}),  
    label=_("Second type value"),  
    required=False,  
    max_length=ControlObjective._meta.get_field("value_max").max_length)
```

5.28 my_app.views.control_objective_create_view.ControlObjectiveCreateView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Member Functions

- def [get_control_objective_type](#) (control_objective_type, type_value, type_value_2)
- def [validate_unique](#) (control_objective)
- def [save_atomic_control_objective](#) (control_objective, security_attribute, metric)
- def [create_control_objective](#) (user, form, control)

Static Public Attributes

- **form_class** = [control_objective_create_form.ControlObjectiveCreateForm](#)

5.28.1 Detailed Description

Class-based view for control objective creation.

5.28.2 Member Function Documentation

5.28.2.1 create_control_objective()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.create_control_↵  
objective (   
    user,   
    form,   
    control ) [static]
```

This method creates security attribute, metric and control objective in atomic transaction. In case of unique constraint violation, error messages are returned.

5.28.2.2 get()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.28.2.3 get_control_objective_type()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.get_control_objective↵
_type (
    control_objective_type,
    type_value,
    type_value_2 ) [static]
```

This method returns min/max value according to type.

5.28.2.4 post()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control objective creation.

5.28.2.5 save_atomic_control_objective()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.save_atomic_control↵
_objective (
    control_objective,
    security_attribute,
    metric ) [static]
```

This method creates metric, security attribute
and control objective in atomic transaction.

5.28.2.6 validate_unique()

```
def my_app.views.control_objective_create_view.ControlObjectiveCreateView.validate_unique (
    control_objective ) [static]
```

This method validates unique constraint for (identifier) and (scheme, security attribute).

5.29 my_app.views.control_objective_delete_view.ControlObjectiveDeleteView Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.29.1 Detailed Description

Class-based view for control objective delete.

5.29.2 Member Function Documentation

5.29.2.1 get()

```
def my_app.views.control_objective_delete_view.ControlObjectiveDeleteView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.30 my_app.views.control_objective_detail_view.ControlObjectiveDetailView Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.30.1 Detailed Description

Class-based view for control detail.

5.30.2 Member Function Documentation

5.30.2.1 get()

```
def my_app.views.control_objective_detail_view.ControlObjectiveDetailView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.31 control_objective_edit_form.ControlObjectiveEditForm Class Reference

Inherits Form.

Static Public Attributes

- **identifier**
- **description**
- **type**
- **type_value**
- **type_value_2**
- **evaluation_interval**

5.31.1 Detailed Description

Form for control objective creation.

5.31.2 Member Data Documentation

5.31.2.1 description

control_objective_edit_form.ControlObjectiveEditForm.description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of control objective")},  
        label=_("Description"),  
        max_length=ControlObjective._meta.get_field("description").max_length)
```

5.31.2.2 evaluation_interval

control_objective_edit_form.ControlObjectiveEditForm.evaluation_interval [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder":  
            _("Evaluation interval of control objective"),  
            "size": 45}),  
    label=_("Evaluation interval"),  
    max_length=ControlObjective._meta.get_field(  
        "evaluation_interval").max_length)
```

5.31.2.3 identifier

control_objective_edit_form.ControlObjectiveEditForm.identifier [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Identifier of control objective"),  
            "size": 40}),  
    label=_("Identifier"),  
    max_length=ControlObjective._meta.get_field("identifier").max_length)
```

5.31.2.4 type

control_objective_edit_form.ControlObjectiveEditForm.type [static]

Initial value:

```
= forms.ChoiceField(  
    choices=ControlObjective.TYPE_CHOICES,  
    label=_("Type"),  
    initial="",  
    widget=forms.Select())
```


5.31.2.5 type_value

control_objective_edit_form.ControlObjectiveEditForm.type_value [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Value for chosen type"), "size": 30}),
    label=_("Type value"),
    max_length=max(ControlObjective._meta.get_field(
        "value_min").max_length,
        ControlObjective._meta.get_field(
            "value_max").max_length))
```

5.31.2.6 type_value_2

control_objective_edit_form.ControlObjectiveEditForm.type_value_2 [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Second value for chosen type"),
            "size": 30}),
    label=_("Second type value"),
    required=False,
    max_length=ControlObjective._meta.get_field("value_max").max_length)
```

5.32 my_app.views.control_objective_edit_view.ControlObjectiveEditView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [control_objective_edit_form.ControlObjectiveEditForm](#)

5.32.1 Detailed Description

Class-based view for control objective edit.

5.32.2 Member Function Documentation

5.32.2.1 get()

```
def my_app.views.control_objective_edit_view.ControlObjectiveEditView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.32.2.2 post()

```
def my_app.views.control_objective_edit_view.ControlObjectiveEditView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control objective edit.

5.33 control_objective_generate_form.ControlObjectiveGenerateForm Class Reference

Inherits Form.

Public Member Functions

- def `__init__`(self, args, kwargs)

5.33.1 Detailed Description

Form for inspecting and creating control objectives.

5.34 control_objective_automatization_form.ControlObjectiveRemainsForm Class Reference

Inherits Form.

Static Public Attributes

- `control_domain`
- `type`
- `type_value`
- `type_value_2`
- `evaluation_interval`

5.34.1 Detailed Description

Form for remaining control objective

5.34.2 Member Data Documentation

5.34.2.1 control_domain

`control_objective_automatization_form.ControlObjectiveRemainsForm.control_domain` [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    queryset=ControlDomain.objects.all(),  
    empty_label=None,  
    label=_("Security attribute control domain"))
```

5.34.2.2 evaluation_interval

`control_objective_automatization_form.ControlObjectiveRemainsForm.evaluation_interval` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder":  
            _("Evaluation interval of control objective"),  
            "size": 45}),  
    label=_("Evaluation interval"),  
    initial="365",  
    max_length=ControlObjective._meta.get_field(  
        "evaluation_interval").max_length)
```

5.34.2.3 type

`control_objective_automatization_form.ControlObjectiveRemainsForm.type` [static]

Initial value:

```
= forms.ChoiceField(
    choices=ControlObjective.TYPE_CHOICES,
    label=_("Type"),
    initial="",
    widget=forms.Select())
```

5.34.2.4 type_value

`control_objective_automatization_form.ControlObjectiveRemainsForm.type_value` [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Value for chosen type"), "size": 30}),
    label=_("Type value"),
    max_length=max(ControlObjective._meta.get_field(
        "value_min").max_length,
        ControlObjective._meta.get_field(
            "value_max").max_length))
```

5.34.2.5 type_value_2

`control_objective_automatization_form.ControlObjectiveRemainsForm.type_value_2` [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Second value for chosen type"),
            "size": 30}),
    label=_("Second type value"),
    required=False,
    max_length=ControlObjective._meta.get_field("value_max").max_length)
```

5.35 my_app.models.ControlQuestion Class Reference

Inherits `Model`.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)

Static Public Attributes

- `control`
- `Control`
- `on_delete`
- `identifier`
- `max_length`
- `description`
- `NEW`
- `APPROVED`
- `REJECTED`
- `REWORK`
- `STATUS_CHOICES`
- `CAN_VIEW_CHOICES`
- `CAN_EDIT_CHOICES`
- `CAN_DELETE_CHOICES`
- `CAN_REVIEW_CHOICES`
- `status`
- `choices`
- `default`

5.35.1 Detailed Description

Model for control question

5.36 my_app.views.control_question_approval_view.ControlQuestionApprovalView Class Reference

Inherits FormView.

Public Member Functions

- def `get` (self, request, args, kwargs)
- def `post` (self, request, args, kwargs)

Static Public Attributes

- `form_class` = `comment_form.CommentForm`

5.36.1 Detailed Description

Class-based view for control question approval

5.36.2 Member Function Documentation

5.36.2.1 get()

```
def my_app.views.control_question_approval_view.ControlQuestionApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.36.2.2 post()

```
def my_app.views.control_question_approval_view.ControlQuestionApprovalView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method. Returns HttpResponse for input request.

5.37 my_app.views.control_question_assessment_view.ControlQuestionAssessmentView Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.37.1 Detailed Description

Class-based view for control assessment.

5.37.2 Member Function Documentation

5.37.2.1 get()

```
def my_app.views.control_question_assessment_view.ControlQuestionAssessmentView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.38 my_app.models.ControlQuestionComment Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)

Static Public Attributes

- `control_question`
- `author`
- `User`
- `default`
- `comment_text`
- `max_length`
- `date`

5.38.1 Detailed Description

Model for control question comments

5.39 control_question_create_form.ControlQuestionCreateForm Class Reference

Inherits Form.

Static Public Attributes

- `identifier`
- `description`

5.39.1 Detailed Description

Form for control question creation.

5.39.2 Member Data Documentation

5.39.2.1 description

`control_question_create_form.ControlQuestionCreateForm.description` [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}), label=_("Description"),
    max_length=ControlQuestion._meta.get_field("description").max_length)
```

5.39.2.2 identifier

`control_question_create_form.ControlQuestionCreateForm.identifier` [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}), label=_("Identifier"),
    max_length=ControlQuestion._meta.get_field("identifier").max_length)
```

5.40 my_app.views.control_question_create_view.ControlQuestionCreateView Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = [control_question_create_form.ControlQuestionCreateForm](#)

5.40.1 Detailed Description

Class-based view for control question creation.

5.40.2 Member Function Documentation

5.40.2.1 get()

```
def my_app.views.control_question_create_view.ControlQuestionCreateView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.40.2.2 post()

```
def my_app.views.control_question_create_view.ControlQuestionCreateView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control creation.

5.41 my_app.views.control_question_delete_view.ControlQuestionDeleteView Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.41.1 Detailed Description

Class-based view for control question delete.

5.41.2 Member Function Documentation

5.41.2.1 `get()`

```
def my_app.views.control_question_delete_view.ControlQuestionDeleteView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.42 `my_app.views.control_question_edit_view.ControlQuestionEditView` Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = [control_question_create_form.ControlQuestionCreateForm](#)

5.42.1 Detailed Description

Class-based view for `control_question` edit.

5.42.2 Member Function Documentation

5.42.2.1 `get()`

```
def my_app.views.control_question_edit_view.ControlQuestionEditView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.42.2.2 post()

```
def my_app.views.control_question_edit_view.ControlQuestionEditView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control_question edit.

5.43 my_app.views.elements_choose_view.ElementsChooseView Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.43.1 Detailed Description

Class for choosing a scheme for changing

5.43.2 Member Function Documentation

5.43.2.1 get()

```
def my_app.views.elements_choose_view.ElementsChooseView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.44 control_objective_automatization_form.FormSave Class Reference

Inherits `Form`.

Static Public Attributes

- **identifier**
- **description**
- **security_attribute_name**
- **security_attribute_description**
- **metric_name**
- **metric_description**
- **metric_expression**
- **metric_measuring_interval**
- **control_domain**
- **type**
- **type_value**
- **type_value_2**
- **evaluation_interval**

5.44.1 Detailed Description

Form for saving

5.44.2 Member Data Documentation

5.44.2.1 control_domain

`control_objective_automatization_form.FormSave.control_domain` [static]

Initial value:

```
= forms.ModelChoiceField(
    widget=forms.Select(),
    queryset=ControlDomain.objects.all(),
    empty_label=None,
    label=_("Security attribute control domain"))
```

5.44.2.2 description

`control_objective_automatization_form.FormSave.description` [static]

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of control objective")}),
    label=_("Description"),
    max_length=ControlObjective._meta.get_field("description").max_length)
```

5.44.2.3 evaluation_interval

control_objective_automatization_form.FormSave.evaluation_interval [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder":  
            _("Evaluation interval of control objective"),  
            "size": 45}),  
    label=_("Evaluation interval"),  
    max_length=ControlObjective._meta.get_field(  
        "evaluation_interval").max_length)
```

5.44.2.4 identifier

control_objective_automatization_form.FormSave.identifier [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Identifier of control objective"),  
            "size": 40}),  
    label=_("Identifier"),  
    max_length=ControlObjective._meta.get_field("identifier").max_length)
```

5.44.2.5 metric_description

control_objective_automatization_form.FormSave.metric_description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")}),  
    label=_("Metric description"),  
    max_length=Metric._meta.get_field("description").max_length)
```

5.44.2.6 metric_expression

control_objective_automatization_form.FormSave.metric_expression [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    max_length=Metric._meta.get_field("expression").max_length)
```

5.44.2.7 metric_measuring_interval

control_objective_automatization_form.FormSave.metric_measuring_interval [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")},  
        label=_("Metric measuring interval")
```

5.44.2.8 metric_name

control_objective_automatization_form.FormSave.metric_name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    max_length=Metric._meta.get_field("metric_name").max_length
```

5.44.2.9 security_attribute_description

control_objective_automatization_form.FormSave.security_attribute_description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of security attribute")},  
        label=_("Security attribute description"),  
        max_length=SecurityAttribute._meta.get_field("description").max_length
```

5.44.2.10 security_attribute_name

control_objective_automatization_form.FormSave.security_attribute_name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Name of security attribute")},  
        label=_("Security attribute name"),  
        max_length=SecurityAttribute._meta.get_field(  
            "security_attribute_name").max_length
```

5.44.2.11 type

control_objective_automatization_form.FormSave.type [static]

Initial value:

```
= forms.ChoiceField(
    choices=ControlObjective.TYPE_CHOICES,
    label=_("Type"),
    initial="",
    widget=forms.Select())
```

5.44.2.12 type_value

control_objective_automatization_form.FormSave.type_value [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Value for chosen type"), "size": 30}),
    label=_("Type value"),
    max_length=max(ControlObjective._meta.get_field(
        "value_min").max_length,
        ControlObjective._meta.get_field(
            "value_max").max_length))
```

5.44.2.13 type_value_2

control_objective_automatization_form.FormSave.type_value_2 [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Second value for chosen type"),
            "size": 30}),
    label=_("Second type value"),
    required=False,
    max_length=ControlObjective._meta.get_field("value_max").max_length)
```

5.45 my_app.views.control_objective_generate_view.GenerateChooseView Class Reference

Inherits `TemplateView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.45.1 Detailed Description

View for choosing of control or control question to generate control objectives for.

5.45.2 Member Function Documentation

5.45.2.1 `get()`

```
def my_app.views.control_objective_generate_view.GenerateChooseView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.46 `my_app.views.control_objective_generate_view.GenerateForControlQuestionView` Class Reference

Inherits `FormView`.

Public Member Functions

- def `get` (self, request, args, kwargs)
- def `post` (self, request, args, kwargs)

Static Public Attributes

- `form_class` = `control_objective_generate_form.ControlObjectiveGenerateForm`

5.46.1 Detailed Description

View for inspecting automatically generated control objective descriptions for control question.

5.46.2 Member Function Documentation

5.46.2.1 `get()`

```
def my_app.views.control_objective_generate_view.GenerateForControlQuestionView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.46.2.2 `post()`

```
def my_app.views.control_objective_generate_view.GenerateForControlQuestionView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns `HttpResponseRedirect` after control objectives creation.

5.47 `my_app.views.control_objective_generate_view.GenerateForControlView` Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = [control_objective_generate_form.ControlObjectiveGenerateForm](#)

5.47.1 Detailed Description

View for inspecting automatically generated control objective descriptions for control.

5.47.2 Member Function Documentation

5.47.2.1 get()

```
def my_app.views.control_objective_generate_view.GenerateForControlView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.47.2.2 post()

```
def my_app.views.control_objective_generate_view.GenerateForControlView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after control objectives creation.

5.48 my_app.views.home_page_view.HomePageView Class Reference

Inherits `TemplateView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

Static Public Attributes

- string `template_name` = "index.html"

5.48.1 Detailed Description

Class-based view for homepage.

5.48.2 Member Function Documentation

5.48.2.1 get()

```
def my_app.views.home_page_view.HomePageView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.49 my_register_form.MyRegistrationForm.Meta Class Reference

Static Public Attributes

- **model** = User
- tuple **fields**

5.49.1 Member Data Documentation

5.49.1.1 fields

```
tuple my_register_form.MyRegistrationForm.Meta.fields [static]
```

Initial value:

```
= ("first_name", "last_name", "username",
   "email", "password1", "password2")
```

5.50 my_app.models.CertificationScheme.Meta Class Reference

Static Public Attributes

- **ordering**

5.51 my_app.models.ControlComment.Meta Class Reference

Static Public Attributes

- **ordering**

5.52 my_app.models.Control.Meta Class Reference

Static Public Attributes

- `ordering`

5.53 my_app.models.ControlQuestion.Meta Class Reference

Static Public Attributes

- `ordering`
- `unique_together`

5.54 my_app.models.Metric.Meta Class Reference

Static Public Attributes

- `ordering`

5.55 my_app.models.ControlDomain.Meta Class Reference

Static Public Attributes

- `ordering`

5.56 my_app.models.SecurityAttribute.Meta Class Reference

Static Public Attributes

- `ordering`

5.57 my_app.models.ControlObjective.Meta Class Reference

Static Public Attributes

- `ordering`

5.58 my_app.models.SchemeRights.Meta Class Reference

Static Public Attributes

- `ordering`

5.59 my_app.models.SchemeComment.Meta Class Reference

Static Public Attributes

- **ordering**

5.60 my_app.models.ControlQuestionComment.Meta Class Reference

Static Public Attributes

- **ordering**

5.61 my_app.models.ControlObjectiveComment.Meta Class Reference

Static Public Attributes

- **ordering**

5.62 my_app.models.CloudServiceProvider.Meta Class Reference

Static Public Attributes

- **ordering**

5.63 my_app.models.CloudService.Meta Class Reference

Static Public Attributes

- **ordering**

5.64 my_app.search.MetricIndex.Meta Class Reference

Static Public Attributes

- **index**

5.64.1 Detailed Description

Meta class for metric.

5.65 my_app.search.SecurityAttributeIndex.Meta Class Reference

Static Public Attributes

- **index**

5.65.1 Detailed Description

Meta class for security attribute.

5.66 my_app.models.Metric Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def [__str__](#) (self)
- def [indexing](#) (self)
- def [remove_indexing](#) (self)

Static Public Attributes

- **metric_name**
- **max_length**
- **description**
- **expression**
- **measuring_interval**
- **author**
- **User**
- **default**
- **on_delete**
- **NEW**
- **APPROVED**
- **REJECTED**
- **STATUS_CHOICES**
- **CAN_ASSESS_CHOICES**
- **status**
- **choices**

5.66.1 Detailed Description

Model for metric

5.66.2 Member Function Documentation

5.66.2.1 indexing()

```
def my_app.models.Metric.indexing (
    self )
```

Method for indexing model from database to elastic

5.66.2.2 remove_indexing()

```
def my_app.models.Metric.remove_indexing (
    self )
```

Method for deindexing removed model from database

5.67 my_app.views.metric_approval_view.MetricApprovalView Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.67.1 Detailed Description

Class for choosing which metric to approve/reject

5.67.2 Member Function Documentation

5.67.2.1 get()

```
def my_app.views.metric_approval_view.MetricApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template with list of metrics

5.68 metric_change_form.MetricChangeForm Class Reference

Inherits Form.

Static Public Attributes

- **metric_name**
- **metric_description**
- **metric_expression**
- **metric_measuring_interval**

5.68.1 Detailed Description

Form for changing metric attributes

5.68.2 Member Data Documentation

5.68.2.1 metric_description

metric_change_form.MetricChangeForm.metric_description [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={'placeholder': _("Description of metric")}),  
    label=_("Metric description"),  
    required=False,  
    max_length=Metric._meta.get_field("description").max_length)
```

5.68.2.2 metric_expression

metric_change_form.MetricChangeForm.metric_expression [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={'placeholder': _("Expression of metric")}),  
    label=_("Metric expression"),  
    required=False,  
    max_length=Metric._meta.get_field("expression").max_length)
```


5.68.2.3 metric_measuring_interval

metric_change_form.MetricChangeForm.metric_measuring_interval [static]

Initial value:

```
= forms.IntegerField(
    widget=forms.NumberInput(
        attrs={'placeholder': _("Metric measuring interval")}),
    label=_("Metric measuring interval"),
    required=False)
```

5.68.2.4 metric_name

metric_change_form.MetricChangeForm.metric_name [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(attrs={'placeholder': _("Name of metric")}),
    label=_("Metric name"),
    required=False,
    max_length=Metric._meta.get_field("metric_name").max_length)
```

5.69 my_app.views.metric_change_view.MetricChangeView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

5.69.1 Detailed Description

Class for changing, approve or reject metric.

5.69.2 Member Function Documentation

5.69.2.1 get()

```
def my_app.views.metric_change_view.MetricChangeView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template for chosen metric

5.69.2.2 post()

```
def my_app.views.metric_change_view.MetricChangeView.post (
    self,
    request,
    args,
    kwargs )
```

Method for handling approval/rejection
or change of metric

5.70 control_objective_automatization_form.MetricFormAfterRecommend Class Reference

Inherits Form.

Static Public Attributes

- **metric_sa_recommend**
- **metric_name_sa_recommend**
- **metric_description_sa_recommend**
- **metric_expression_sa_recommend**
- **metric_measuring_interval_sa_recommend**

5.70.1 Detailed Description

Form for metric attribute search after recommendation

5.70.2 Member Data Documentation

5.70.2.1 metric_description_sa_recommend

control_objective_automatization_form.MetricFormAfterRecommend.metric_description_sa_recommend [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")},  
        label=_("Metric description"),  
        disabled=True)
```

5.70.2.2 metric_expression_sa_recommend

control_objective_automatization_form.MetricFormAfterRecommend.metric_expression_sa_recommend [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")},  
        label=_("Metric expression"),  
        disabled=True)
```

5.70.2.3 metric_measuring_interval_sa_recommend

control_objective_automatization_form.MetricFormAfterRecommend.metric_measuring_interval_sa_recommend [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")},  
        label=_("Metric measuring interval"),  
        disabled=True)
```

5.70.2.4 metric_name_sa_recommend

control_objective_automatization_form.MetricFormAfterRecommend.metric_name_sa_recommend [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")},  
        label=_("Metric name"),  
        disabled=True)
```

5.70.2.5 metric_sa_recommend

control_objective_automatization_form.MetricFormAfterRecommend.metric_sa_recommend [static]

Initial value:

```
= forms.ModelChoiceField(
    widget=forms.Select(),
    required=False,
    queryset=Metric.objects.all(),
    disabled=True,
    label=_("Security attribute metric"))
```

5.71 control_objective_automatization_form.MetricFormAfterSearch Class Reference

Inherits Form.

Static Public Attributes

- **metric_sa_search**
- **metric_name_sa_search**
- **metric_description_sa_search**
- **metric_expression_sa_search**
- **metric_measuring_interval_sa_search**

5.71.1 Detailed Description

Form for metric attribute search

5.71.2 Member Data Documentation

5.71.2.1 metric_description_sa_search

control_objective_automatization_form.MetricFormAfterSearch.metric_description_sa_search [static]

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of metric")}),
    label=_("Metric description"),
    disabled=True)
```

5.71.2.2 metric_expression_sa_search

control_objective_automatization_form.MetricFormAfterSearch.metric_expression_sa_search [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    disabled=True)
```

5.71.2.3 metric_measuring_interval_sa_search

control_objective_automatization_form.MetricFormAfterSearch.metric_measuring_interval_sa_↵
search [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")}),  
    label=_("Metric measuring interval"),  
    disabled=True)
```

5.71.2.4 metric_name_sa_search

control_objective_automatization_form.MetricFormAfterSearch.metric_name_sa_search [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    disabled=True)
```

5.71.2.5 metric_sa_search

control_objective_automatization_form.MetricFormAfterSearch.metric_sa_search [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    required=False,  
    queryset=Metric.objects.all(),  
    disabled=True,  
    label=_("Security attribute metric"))
```

5.72 control_objective_automatization_form.MetricGenerateForm Class Reference

Inherits Form.

Static Public Attributes

- **metric_name_generate**
- **metric_description_generate**
- **metric_expression_generate**
- **metric_measuring_interval_generate**

5.72.1 Detailed Description

Form for generated metric

5.72.2 Member Data Documentation

5.72.2.1 metric_description_generate

control_objective_automatization_form.MetricGenerateForm.metric_description_generate [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")}),  
    label=_("Metric description"),  
    max_length=Metric._meta.get_field("description").max_length)
```

5.72.2.2 metric_expression_generate

control_objective_automatization_form.MetricGenerateForm.metric_expression_generate [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    max_length=Metric._meta.get_field("expression").max_length)
```

5.72.2.3 metric_measuring_interval_generate

```
control_objective_automatization_form.MetricGenerateForm.metric_measuring_interval_generate  
[static]
```

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")},  
        label=_("Metric measuring interval")
```

5.72.2.4 metric_name_generate

```
control_objective_automatization_form.MetricGenerateForm.metric_name_generate [static]
```

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    max_length=Metric._meta.get_field("metric_name").max_length)
```

5.73 my_app.search.MetricIndex Class Reference

Inherits DocType.

Classes

- class [Meta](#)

Static Public Attributes

- **metric_name**
- **description**
- **expression**
- **measuring_interval**

5.73.1 Detailed Description

Class defining metric index.

5.74 control_objective_automatization_form.MetricRecommendForm Class Reference

Inherits Form.

Static Public Attributes

- `metric_recommend`
- `metric_name_recommend`
- `metric_description_recommend`
- `metric_expression_recommend`
- `metric_measuring_interval_recommend`

5.74.1 Detailed Description

Form for recommended metric

5.74.2 Member Data Documentation

5.74.2.1 `metric_description_recommend`

`control_objective_automatization_form.MetricRecommendForm.metric_description_recommend` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")}),  
    label=_("Metric description"),  
    disabled=True)
```

5.74.2.2 `metric_expression_recommend`

`control_objective_automatization_form.MetricRecommendForm.metric_expression_recommend` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    disabled=True)
```


5.74.2.3 metric_measuring_interval_recommend

control_objective_automatization_form.MetricRecommendForm.metric_measuring_interval_recommend [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")},  
        label=_("Metric measuring interval"),  
        disabled=True)
```

5.74.2.4 metric_name_recommend

control_objective_automatization_form.MetricRecommendForm.metric_name_recommend [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    disabled=True)
```

5.74.2.5 metric_recommend

control_objective_automatization_form.MetricRecommendForm.metric_recommend [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    required=False,  
    queryset=Metric.objects.all(),  
    label=_("Security attribute metric"))
```

5.75 control_objective_automatization_form.MetricSearchForm Class Reference

Inherits Form.

Static Public Attributes

- **find_metric**
- **metric_search**
- **metric_name_search**
- **metric_description_search**
- **metric_expression_search**
- **metric_measuring_interval_search**

5.75.1 Detailed Description

Form for metric search

5.75.2 Member Data Documentation

5.75.2.1 find_metric

control_objective_automatization_form.MetricSearchForm.find_metric [static]

Initial value:

```
= forms.CharField(  
    required=False,  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Search metric..."), "size": 40}),  
    label=_("Metric Search")
```

5.75.2.2 metric_description_search

control_objective_automatization_form.MetricSearchForm.metric_description_search [static]

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of metric")}),  
    label=_("Metric description"),  
    disabled=True)
```

5.75.2.3 metric_expression_search

control_objective_automatization_form.MetricSearchForm.metric_expression_search [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Expression of metric")}),  
    label=_("Metric expression"),  
    disabled=True)
```

5.75.2.4 metric_measuring_interval_search

control_objective_automatization_form.MetricSearchForm.metric_measuring_interval_search [static]

Initial value:

```
= forms.IntegerField(  
    widget=forms.NumberInput(  
        attrs={"placeholder": _("Metric measuring interval")},  
        label=_("Metric measuring interval"),  
        disabled=True)
```

5.75.2.5 metric_name_search

control_objective_automatization_form.MetricSearchForm.metric_name_search [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Name of metric")}),  
    label=_("Metric name"),  
    disabled=True)
```

5.75.2.6 metric_search

control_objective_automatization_form.MetricSearchForm.metric_search [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    required=False,  
    queryset=Metric.objects.all(),  
    label=_("Security attribute metric"))
```

5.76 my_app.apps.MyAppConfig Class Reference

Inherits AppConfig.

Public Member Functions

- def **ready** (self)

Static Public Attributes

- **name**

5.76.1 Detailed Description

Class for configuration

5.77 my_login_form.MyLoginForm Class Reference

Inherits AuthenticationForm.

Public Member Functions

- def `__init__`(self, request, args, kwargs)

Static Public Attributes

- `remember_me`

5.77.1 Detailed Description

Form for user login.

5.77.2 Member Data Documentation

5.77.2.1 remember_me

`my_login_form.MyLoginForm.remember_me` [static]

Initial value:

```
= forms.BooleanField(  
    required=False,  
    widget=forms.CheckboxInput(),  
    label=_("Remember me"))
```

5.78 my_app.views.my_login_view.MyLoginView Class Reference

Inherits LoginView.

Public Member Functions

- def `form_valid`(self, form)

Static Public Attributes

- **form_class** = [my_login_form.MyLoginForm](#)

5.78.1 Detailed Description

Class-based view for login.

5.78.2 Member Function Documentation

5.78.2.1 form_valid()

```
def my_app.views.my_login_view.MyLoginView.form_valid (
    self,
    form )
```

Security check complete.
Log the user in and set expiry if not checked.

5.79 my_register_form.MyRegistrationForm Class Reference

Inherits [UserCreationForm](#).

Classes

- class [Meta](#)

Public Member Functions

- def **__init__**(self, args, kwargs)
- def **save**(self, commit=True)

Static Public Attributes

- **email** = forms.EmailField(required=True)
- **first_name**
- **last_name**

5.79.1 Detailed Description

Form for registration

5.79.2 Member Data Documentation

5.79.2.1 first_name

`my_register_form.MyRegistrationForm.first_name` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("First name")}),  
    max_length=50,  
    required=True,  
    label=_("First name"))
```

5.79.2.2 last_name

`my_register_form.MyRegistrationForm.last_name` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Last name")}),  
    max_length=50,  
    required=True,  
    label=_("Last name"))
```

5.80 my_app.views.my_registration_view.MyRegistrationView Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

5.80.1 Detailed Description

Class-based view for registration.

5.80.2 Member Function Documentation

5.80.2.1 get()

```
def my_app.views.my_registration_view.MyRegistrationView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template for registration

5.80.2.2 post()

```
def my_app.views.my_registration_view.MyRegistrationView.post (
    self,
    request,
    args,
    kwargs )
```

Method for handling registration

5.81 my_app.nlp.NLP Class Reference

Public Member Functions

- def [__init__](#) (self)
- def [get_nlp](#) (self)

Static Public Member Functions

- def [get_instance](#) ()

5.81.1 Detailed Description

Singleton class for StanfordCoreNLP.

5.81.2 Constructor & Destructor Documentation

5.81.2.1 __init__()

```
def my_app.nlp.NLP.__init__ (
    self )
```

Initialisation method to initialize StanfordCoreNLP.

5.81.3 Member Function Documentation

5.81.3.1 `get_instance()`

```
def my_app.nlp.NLP.get_instance ( ) [static]
```

Method to get instance of the singleton (NLP).

:return: Instance of the NLP

5.81.3.2 `get_nlp()`

```
def my_app.nlp.NLP.get_nlp (
    self )
```

Method to get StanfordCoreNLP instance.

:return: Instance of the StanfordCoreNLP

5.82 `my_app.nlp.Node` Class Reference

Inherits `object`.

Public Member Functions

- `def __init__(self, label, parent)`

Public Attributes

- `label`
- `parent`
- `children`
- `paths`
- `current_path`

5.82.1 Detailed Description

Node class for tree representation.

5.82.2 Constructor & Destructor Documentation

5.82.2.1 `__init__()`

```
def my_app.nlp.Node.__init__ (
    self,
    label,
    parent )
```

Initialisation method.

Variables from the stanford tree:

- label - type of the node
- parent - parent node
- children - list of children nodes

Variables for tree traversal:

- paths - list of paths, path contains list of children (list of lists)
- current_path - index to indicate which path to take from children_paths

:param label: Initial type of the node

:param parent: Parent of the node

5.83 password_reset_form.PasswordResetForm Class Reference

Inherits Form.

Static Public Attributes

- **email_or_username**

5.83.1 Detailed Description

Form for reset password.

5.83.2 Member Data Documentation

5.83.2.1 **email_or_username**

password_reset_form.PasswordResetForm.email_or_username [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": ""}),
    label=_("Email Or Username:"), max_length=254)
```

5.84 my_app.views.password_reset_view.PasswordResetView Class Reference

Inherits FormView.

Public Member Functions

- def [post](#) (self, request, args, kwargs)

Static Public Member Functions

- def [validate_email_address](#) (email)
- def [send_email_to_user](#) (user, request)

Static Public Attributes

- string **template_name** = "registration/password_reset.html"
- **form_class** = [password_reset_form.PasswordResetForm](#)

5.84.1 Detailed Description

Class-based view for password reset.

5.84.2 Member Function Documentation

5.84.2.1 [post\(\)](#)

```
def my_app.views.password_reset_view.PasswordResetView.post (
    self,
    request,
    args,
    kwargs )
```

A normal post request which takes input from field "email_or_username" (in PasswordResetForm).

5.84.2.2 [send_email_to_user\(\)](#)

```
def my_app.views.password_reset_view.PasswordResetView.send_email_to_user (
    user,
    request ) [static]
```

This method creates context and sends email to the user.

5.84.2.3 validate_email_address()

```
def my_app.views.password_reset_view.PasswordResetView.validate_email_address (
    email ) [static]
```

This method validates if the input is an email address or not.
Its return type is boolean,
True if the input is a email address or False if its not.

5.85 my_app.views.rdf_export_view.RdfExportView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

5.85.1 Detailed Description

Class-based view for rdf export.

5.85.2 Member Function Documentation

5.85.2.1 get()

```
def my_app.views.rdf_export_view.RdfExportView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.85.2.2 post()

```
def my_app.views.rdf_export_view.RdfExportView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponse to export rdf.

5.86 my_app.views.scheme_approval_view.SchemeApprovalView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [comment_form.CommentForm](#)

5.86.1 Detailed Description

Class-based view for scheme approval.

5.86.2 Member Function Documentation

5.86.2.1 [get\(\)](#)

```
def my_app.views.scheme_approval_view.SchemeApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.86.2.2 [post\(\)](#)

```
def my_app.views.scheme_approval_view.SchemeApprovalView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method. Returns HttpResponse for input request.

5.87 my_app.models.SchemeComment Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__`(self)

Static Public Attributes

- `scheme`
- `author`
- `User`
- `default`
- `comment_text`
- `max_length`
- `date`

5.87.1 Detailed Description

Model for scheme comments

5.88 scheme_compare_choose_form.SchemeCompareChooseForm Class Reference

Inherits Form.

Static Public Attributes

- `scheme_1`
- `scheme_2`

5.88.1 Detailed Description

Form for choosing schemes to compare

5.88.2 Member Data Documentation

5.88.2.1 `scheme_1`

`scheme_compare_choose_form.SchemeCompareChooseForm.scheme_1` [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    queryset=CertificationScheme.objects.all(),  
    empty_label=None,  
    label=_("Scheme") + " 1")
```

5.88.2.2 `scheme_2`

`scheme_compare_choose_form.SchemeCompareChooseForm.scheme_2` [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    queryset=CertificationScheme.objects.all(),  
    empty_label=None,  
    label=_("Scheme") + " 2")
```

5.89 `my_app.views.scheme_compare_choose_view.SchemeCompareChooseView` Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- `form_class` = `scheme_compare_choose_form.SchemeCompareChooseForm`

5.89.1 Detailed Description

Class to manage requests for comparing schemes

5.89.2 Member Function Documentation

5.89.2.1 get()

```
def my_app.views.scheme_compare_choose_view.SchemeCompareChooseView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template with date for scheme edit rights

5.89.2.2 post()

```
def my_app.views.scheme_compare_choose_view.SchemeCompareChooseView.post (
    self,
    request,
    args,
    kwargs )
```

Method for managing changes done in scheme edit rights

5.90 my_app.views.scheme_compare_view.SchemeCompareView Class Reference

Inherits `TemplateView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.90.1 Detailed Description

Class to manage requests for comparing schemes

5.90.2 Member Function Documentation

5.90.2.1 get()

```
def my_app.views.scheme_compare_view.SchemeCompareView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template with date for scheme edit rights

5.91 `scheme_create_form.SchemeCreateForm` Class Reference

Inherits `Form`.

Static Public Attributes

- **name**
- **identifier**
- **version**
- **publisher**

5.91.1 Detailed Description

Form for scheme creation.

5.91.2 Member Data Documentation

5.91.2.1 `identifier`

`scheme_create_form.SchemeCreateForm.identifier` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": ""}),  
    label=_("Identifier"),  
    max_length=CertificationScheme._meta.get_field(  
        "identifier").max_length)
```

5.91.2.2 `name`

`scheme_create_form.SchemeCreateForm.name` [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": ""}),  
    label=_("Scheme's name"),  
    max_length=CertificationScheme._meta.get_field(  
        "scheme_name").max_length)
```


5.91.2.3 publisher

scheme_create_form.SchemeCreateForm.publisher [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}),
    label=_("Publisher"),
    max_length=CertificationScheme._meta.get_field(
        "publisher").max_length)
```

5.91.2.4 version

scheme_create_form.SchemeCreateForm.version [static]

Initial value:

```
= forms.CharField(widget=forms.TextInput(
    attrs={"placeholder": ""}),
    label=_("Version"),
    max_length=CertificationScheme._meta.get_field(
        "version").max_length)
```

5.92 my_app.views.scheme_create_view.SchemeCreateView Class Reference

Inherits [FormView](#).

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [scheme_create_form.SchemeCreateForm](#)

5.92.1 Detailed Description

Class-based view for scheme creation.

5.92.2 Member Function Documentation

5.92.2.1 `get()`

```
def my_app.views.scheme_create_view.SchemeCreateView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.92.2.2 `post()`

```
def my_app.views.scheme_create_view.SchemeCreateView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns `HttpResponseRedirect` after scheme creation.

5.93 `my_app.views.scheme_delete_view.SchemeDeleteView` Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.93.1 Detailed Description

Class-based view for scheme delete.

5.93.2 Member Function Documentation

5.93.2.1 `get()`

```
def my_app.views.scheme_delete_view.SchemeDeleteView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.94 my_app.views.scheme_detail_view.SchemeDetailView Class Reference

Inherits `DetailView`.

Public Member Functions

- def `get` (self, request, args, kwargs)
- def `post` (self, request, kwargs)

5.94.1 Detailed Description

Class-based view for scheme detail.

5.94.2 Member Function Documentation

5.94.2.1 `get()`

```
def my_app.views.scheme_detail_view.SchemeDetailView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.94.2.2 `post()`

```
def my_app.views.scheme_detail_view.SchemeDetailView.post (
    self,
    request,
    kwargs )
```

Post method. In this method certification scheme is updated as published (`is_published = true`) and site is refreshed.

5.95 my_app.views.scheme_edit_view.SchemeEditView Class Reference

Inherits `FormView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Attributes

- **form_class** = [scheme_create_form.SchemeCreateForm](#)

5.95.1 Detailed Description

Class-based view for scheme edit.

5.95.2 Member Function Documentation

5.95.2.1 [get\(\)](#)

```
def my_app.views.scheme_edit_view.SchemeEditView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.95.2.2 [post\(\)](#)

```
def my_app.views.scheme_edit_view.SchemeEditView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns `HttpResponseRedirect` after scheme edit.

5.96 [scheme_import_form.SchemeImportForm](#) Class Reference

Inherits `Form`.

Static Public Attributes

- **name**
- **publisher**
- **identifier**
- **version**

5.96.1 Detailed Description

Form for scheme import

5.96.2 Member Data Documentation

5.96.2.1 identifier

scheme_import_form.SchemeImportForm.identifier [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("  
        "Scheme identifier...")}),  
    label=_("Identifier"),  
    max_length=CertificationScheme._meta.get_field(  
        "identifier").max_length)
```

5.96.2.2 name

scheme_import_form.SchemeImportForm.name [static]

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(attrs={"placeholder": _("Scheme name...")}),  
    label=_("Name"),  
    max_length=CertificationScheme._meta.get_field(  
        "scheme_name").max_length)
```

5.96.2.3 publisher

`scheme_import_form.SchemeImportForm.publisher` [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(attrs={"placeholder": _("
        "Scheme publisher...")}),
    label=_("Publisher"),
    max_length=CertificationScheme._meta.get_field("publisher").max_length)
```

5.96.2.4 version

`scheme_import_form.SchemeImportForm.version` [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(attrs={"placeholder": _("Scheme version...")}),
    label=_("Version"),
    max_length=CertificationScheme._meta.get_field("version").max_length)
```

5.97 my_app.views.scheme_import_view.SchemeImportView Class Reference

Inherits View.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, kwargs)

5.97.1 Detailed Description

Class based view for Scheme Import

5.97.2 Member Function Documentation

5.97.2.1 get()

```
def my_app.views.scheme_import_view.SchemeImportView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template of scheme import view

5.97.2.2 post()

```
def my_app.views.scheme_import_view.SchemeImportView.post (
    self,
    request,
    kwargs )
```

Method for opening excel file handling file opening,
columns names, importing excel into database

5.98 my_app.views.scheme_overview_view.SchemeOverviewView Class Reference

Inherits `TemplateView`.

Public Member Functions

- def `get` (self, request, args, kwargs)

5.98.1 Detailed Description

Class-based view for scheme overview.

5.98.2 Member Function Documentation

5.98.2.1 get()

```
def my_app.views.scheme_overview_view.SchemeOverviewView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns `HttpResponse` for input request.

5.99 my_app.models.SchemeRights Class Reference

Inherits Model.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__`(self)

Static Public Attributes

- `scheme`
- `CertificationScheme`
- `on_delete`
- `user`
- `User`
- `NO_RIGHTS`
- `OWNER`
- `REVIEWER`
- `EDITOR`
- `STATUS_CHOICES`
- `status`
- `choices`
- `default`
- `max_length`

5.99.1 Detailed Description

Model for scheme edit right

5.100 scheme_rights_set_form.SchemeRightsSetForm Class Reference

Inherits Form.

Public Member Functions

- def `__init__`(self, args, kwargs)

5.100.1 Detailed Description

Form for changing scheme edit rights.

5.101 my_app.views.scheme_rights_set_view.SchemeRightsSetView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

Static Public Member Functions

- def [set_rights](#) (rights, new_rights)

Static Public Attributes

- **form_class** = [scheme_rights_set_form.SchemeRightsSetForm](#)

5.101.1 Detailed Description

Class-based view to manage scheme edit rights.

5.101.2 Member Function Documentation

5.101.2.1 [get\(\)](#)

```
def my_app.views.scheme_rights_set_view.SchemeRightsSetView.get (
    self,
    request,
    args,
    kwargs )
```

Get request method. Returns HttpResponse for input request.

5.101.2.2 [post\(\)](#)

```
def my_app.views.scheme_rights_set_view.SchemeRightsSetView.post (
    self,
    request,
    args,
    kwargs )
```

Post request method.
Returns HttpResponseRedirect after changing scheme edit rights.

5.101.2.3 `set_rights()`

```
def my_app.views.scheme_rights_set_view.SchemeRightsSetView.set_rights (
    rights,
    new_rights ) [static]
```

This method sets rights according to new_rights.

```
1 => is_reviewer
2 => can_edit
3 => no_rights
```

5.102 `my_app.views.security_approval_view.SecurityApprovalView` Class Reference

Inherits `DetailView`.

Public Member Functions

- def [get](#) (self, request, args, kwargs)

5.102.1 Detailed Description

Class for choosing which security attribute to approve/reject

5.102.2 Member Function Documentation

5.102.2.1 `get()`

```
def my_app.views.security_approval_view.SecurityApprovalView.get (
    self,
    request,
    args,
    kwargs )
```

Method for rendering template with list of security attributes

5.103 `my_app.models.SecurityAttribute` Class Reference

Inherits `Model`.

Classes

- class [Meta](#)

Public Member Functions

- def `__str__` (self)
- def `indexing` (self)
- def `remove_indexing` (self)

Static Public Attributes

- `security_attribute_name`
- `max_length`
- `description`
- `metric`
- `Metric`
- `on_delete`
- `control_domain`
- `ControlDomain`
- `author`
- `User`
- `default`
- `NEW`
- `APPROVED`
- `REJECTED`
- `STATUS_CHOICES`
- `CAN_ASSESS_CHOICES`
- `CAN_REVIEW_CO_CHOICES`
- `status`
- `choices`

5.103.1 Detailed Description

Model for security attribute

5.103.2 Member Function Documentation

5.103.2.1 `indexing()`

```
def my_app.models.SecurityAttribute.indexing (
    self )
```

Method for indexing model from database to elastic

5.103.2.2 remove_indexing()

```
def my_app.models.SecurityAttribute.remove_indexing (
    self )
```

Method for deindexing removed model from database

5.104 control_objective_automatization_form.SecurityAttributeGenerateForm Class Reference

Inherits Form.

Static Public Attributes

- **security_attribute_name_generate**
- **security_attribute_description_generate**

5.104.1 Detailed Description

Form for security attribute search

5.104.2 Member Data Documentation

5.104.2.1 security_attribute_description_generate

```
control_objective_automatization_form.SecurityAttributeGenerateForm.security_attribute_↔
description_generate [static]
```

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of security attribute")}),
    label=_("Security attribute description"),
    max_length=SecurityAttribute._meta.get_field("description").max_length)
```

5.104.2.2 security_attribute_name_generate

```
control_objective_automatization_form.SecurityAttributeGenerateForm.security_attribute_name_↵  
generate [static]
```

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Name of security attribute")},  
        label=_("Security attribute name"),  
        max_length=SecurityAttribute._meta.get_field(  
            "security_attribute_name").max_length)
```

5.105 my_app.search.SecurityAttributeIndex Class Reference

Inherits DocType.

Classes

- class [Meta](#)

Static Public Attributes

- **security_attribute_name**
- **description**

5.105.1 Detailed Description

Class defining security attribute index.

5.106 control_objective_automatization_form.SecurityAttributeRecommendForm Class Reference

Inherits Form.

Static Public Attributes

- **security_attribute_recommend**
- **security_attribute_name_recommend**
- **security_attribute_description_recommend**

5.106.1 Detailed Description

Form for security attribute recommend

5.106.2 Member Data Documentation

5.106.2.1 security_attribute_description_recommend

control_objective_automatization_form.SecurityAttributeRecommendForm.security_attribute_↔
description_recommend [static]

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={"placeholder": _("Description of security attribute")}),
    label=_("Security attribute description"),
    disabled=True)
```

5.106.2.2 security_attribute_name_recommend

control_objective_automatization_form.SecurityAttributeRecommendForm.security_attribute_name_↔
_recommend [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={"placeholder": _("Name of security attribute")}),
    label=_("Security attribute name"),
    disabled=True)
```

5.106.2.3 security_attribute_recommend

control_objective_automatization_form.SecurityAttributeRecommendForm.security_attribute_↔
recommend [static]

Initial value:

```
= forms.ModelChoiceField(
    widget=forms.Select(),
    required=False,
    queryset=None,
    label=_("Recommended security attributes"))
```

5.107 control_objective_automatization_form.SecurityAttributeSearchForm Class Reference

Inherits Form.

Static Public Attributes

- `find_security_attribute`
- `security_attribute`
- `security_attribute_name`
- `security_attribute_description`

5.107.1 Detailed Description

Form for security attribute search

5.107.2 Member Data Documentation

5.107.2.1 `find_security_attribute`

`control_objective_automatization_form.SecurityAttributeSearchForm.find_security_attribute`
[static]

Initial value:

```
= forms.CharField(  
    required=False,  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Search security attribute..."),  
              "size": 40}),  
    label=_("Security Attribute Search"))
```

5.107.2.2 `security_attribute`

`control_objective_automatization_form.SecurityAttributeSearchForm.security_attribute` [static]

Initial value:

```
= forms.ModelChoiceField(  
    widget=forms.Select(),  
    required=False,  
    queryset=SecurityAttribute.objects.all(),  
    label=_("Security attribute"))
```

5.107.2.3 security_attribute_description

```
control_objective_automatization_form.SecurityAttributeSearchForm.security_attribute_description  
[static]
```

Initial value:

```
= forms.CharField(  
    widget=forms.Textarea(  
        attrs={"placeholder": _("Description of security attribute")}),  
    label=_("Security attribute description"),  
    disabled=True)
```

5.107.2.4 security_attribute_name

```
control_objective_automatization_form.SecurityAttributeSearchForm.security_attribute_name  
[static]
```

Initial value:

```
= forms.CharField(  
    widget=forms.TextInput(  
        attrs={"placeholder": _("Name of security attribute")}),  
    label=_("Security attribute name"),  
    disabled=True)
```

5.108 security_change_form.SecurityChangeForm Class Reference

Inherits Form.

Static Public Attributes

- **security_attribute_name**
- **security_attribute_description**
- **metric**
- **metric_details**

5.108.1 Detailed Description

Form for changing security attributes

5.108.2 Member Data Documentation

5.108.2.1 metric

security_change_form.SecurityChangeForm.metric [static]

Initial value:

```
= forms.ModelChoiceField(
    widget=forms.Select(),
    queryset=Metric.objects.filter(status=Metric.APPROVED),
    label=_("Metric"),
    required=False)
```

5.108.2.2 metric_details

security_change_form.SecurityChangeForm.metric_details [static]

Initial value:

```
= forms.BooleanField(
    label=_("Metric details"),
    widget=forms.CheckboxInput(),
    initial=False,
    required=False)
```

5.108.2.3 security_attribute_description

security_change_form.SecurityChangeForm.security_attribute_description [static]

Initial value:

```
= forms.CharField(
    widget=forms.Textarea(
        attrs={'placeholder': _("Description of security attribute")}),
    label=_("Security attribute description"),
    required=False,
    max_length=SecurityAttribute._meta.get_field("description").max_length)
```

5.108.2.4 security_attribute_name

security_change_form.SecurityChangeForm.security_attribute_name [static]

Initial value:

```
= forms.CharField(
    widget=forms.TextInput(
        attrs={'placeholder': _("Name of security attribute")}),
    label=_("Security attribute name"),
    required=False,
    max_length=SecurityAttribute._meta.get_field(
        "security_attribute_name").max_length)
```

5.109 my_app.views.security_change_view.SecurityChangeView Class Reference

Inherits FormView.

Public Member Functions

- def [get](#) (self, request, args, kwargs)
- def [post](#) (self, request, args, kwargs)

5.109.1 Detailed Description

Method for handling approval/rejection or change of security attributes.

5.109.2 Member Function Documentation

5.109.2.1 [get\(\)](#)

```
def my_app.views.security_change_view.SecurityChangeView.get (  
    self,  
    request,  
    args,  
    kwargs )
```

Method for rendering template for chosen metric

5.109.2.2 [post\(\)](#)

```
def my_app.views.security_change_view.SecurityChangeView.post (  
    self,  
    request,  
    args,  
    kwargs )
```

Method for handling approval/rejection or change of security metric

5.110 my_app.admin.UserCreationFormExtended Class Reference

Inherits UserCreationForm.

Public Member Functions

- `def __init__(self, args, kwargs)`

Static Public Attributes

- `site_url`

5.110.1 Detailed Description

Class to extend user creation form.

