Test specification Integration Test API

TC-ID	Testcase	Description	Manual test steps		
TXR-2059	INT_DGCG_upload_dsc	Upload a DSC of a country	Step	Input/Data	Expected Results
			1 create a valid dsc		
			2 upload dsc		dsc is in trustlist
TXR-2060	INT_DGCG_neg_upload_dsc_with_unauthorized_client_certificate	Upload a DSC of a country with an unauthorized client certificate. The response should be with the status code 401 Unauthorized	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 create custom authentication certificate		
			3 upload DSC with custom client certificate		Error 401 Unauthorized
TXR-2061	INT_DGCG_neg_upload_dsc_with_mismatched_Certificates	Upload a DSC signed with CSCA certificate of a different country. The response code should be 400	Step	Input/Data	Expected Results
			1 create a valid DSC for another country		
			2 upload DSC		Error 400 Bad Request
TXR-2062	INT_DGCG_neg_upload_dsc_wrong_format	Upload a DSC of a country with the wrong format to trigger Error Code 406	Step	Input/Data	Expected Results
			1 upload text instead of DSC		Error 406 Content is not acceptable
TXR-2063	INT_DGCG_neg_upload_dublicate_dsc	Upload a DSC of a country with a UUID which is already in the database. The API should respond with the error Code 409	Step	Input/Data	Expected Results
			1 create DSC		
			2 upload DSC		DSC is in trustlist
			3 upload DSC (again)		Error 409 Conflict
TXR-2065	INT_DGCG_delete_a_dsc	delete DSC of a country	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 upload DSC		DSC is in trustlist
			3 delete public key created		public key is deleted in trustlist
TXR-2066	INT_DGCG_neg_delete_a_dsc_not_in_database	delete a dsc of a country which is not in the database	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 sign DSC with UPLOAD certificate		
			3 delete DSC created		error 400
TXR-2069	INT_DGCG_neg_delete_a_dsc_with_unauthorized_client_certificate	delete a dscof a country with a client certificate which is not authorized. The Error code should be 401 "unauthorized"	Step	Input/Data	Expected Results
			1 get trustlist of DSCs		
			2 delete dsc of the own country		Http Error 401 Unauthorized
TXR-2070	INT_DGCG_neg_delete_a_dsc_with_client_certificate_of_another_country	delete a DSC of another country with the client certificate not authorized to change DSCs of that country. The error Code should be 403 "Forbidden"	Step	Input/Data	Expected Results
			1 get trustlist of type "DSC"		trustlist with all DSCs
			2 get random dsc from trustlist from another country		
			3 delete dsc from another country		http error 403 forbidden
TXR-2071	INT_DGCG_get_trustlist	Get all trusted certificates	Step	Input/Data	Expected Results
			1 create a valid DSC		
			2 sign DSC with UPLOAD certificate		
			3 check that DSC is not in trustlist		DSC is not in trustlist
			4 upload DSC		
			5 check stat DSC is in trustlist		DSC is in trustlist
			6 delete DSC created		
			7 check that DSC is not in trustlist		DSC is not in trustlist
TXR-2072	INT_DGCG_get_trustlist_with_specific_type	Get all trusted public keys of a specific type	Step	Input/Data	Expected Results
			1 get the trustList just with a specific type	type = CSCA or type = UPLOAD or type = DSC	only certificates with that type should be present
TXR-2073	INT_DGCG_get_trustlist_with_specific_type_and_country	Get trusted public keys with a specific type (for example CSCA) and country.	Step	Input/Data	Expected Results
			1 get trustList with spedific type and country	type=csca country=de	only the trustList data with the type and country is present
TXR-2860	INT_DGCG_upload_valid_Rule	Upload a valid invalidation Rule	Step	Input/Data	Expected Results
			1 create a valid Invalidation Rule		

			2	upload Rule		Status Code 200
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created		
TXR-2861	INT_DGCG_neg_upload_rule_with_unauthentic ated_certificate	Upload a Rule with an unauthenticated certificate. There should be an error and the Response Code should be 401.	Step	Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule with unauthenticated certificate		Response should have status code 401
			3	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2862	INT_DGCG_neg_upload_rule_with_authenticati on_certificate_of_another_country	Upload a Rule with a NBTLS certificate of another country. There should be an error and the status code should be 400.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule with certificate from another country		Error with status Code 400
			3	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2863	INT_DGCG_update_Rule_to_a_new_version	Update a Rule created to a new version.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule to new version		Status Code 200
			4	get Rules of own Country		
			5	check that Rule has the new version		rule has the new Version
			6	delete rule created		
TXR-2864	INT_DGCG_neg_update_Rule_with_lower_vers ion_than_the_old_rule	Update a Rule with a Rule lower than the current version. There should be an error.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule to new version with lower version number		Response Status Code 400
			4	delete Rule created		
TXR-2865	INT_DGCG_neg_update_Rule_with_version_no t_using_semver	Update a Rule without following the semantic versioning scheme (e.g. 1.3 instead of 1.3.0)	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	update Rule with version in wrong format		Response Status Code 400
			4	delete Rule created		
TXR-2866	INT_DGCG_get_list_of_onboarded_countries	Get all onboarded countries. Should have at least the own country in the list.	Step		Input/Data	Expected Results
			1	get all onboarded countries		Response Status Code 200
			2	check that own country is in onboared countries list		Own Country is in the list
TXR-2867	INT_DGCG_download_all_Rules	Download Rules of all Countries.	Step		Input/Data	Expected Results
			1	get all onboarded countries		
			2	download rules of all countries		All Responses have status code 200
TXR-2868	INT_DGCG_neg_get_list_of_onboarded_countri es_with_unauthenticated_certificate	Get all onboarded countries with unauthenticated certificate. Should lead to an error.	Step		Input/Data	Expected Results
			1	create custom authentication certificate		
			2	get all onboarded countries with custom certificate		Response Status Code 400
TXR-2869	INT_DGCG_download_Rules_with_unauthentic ated_certificate	Get Rules from any country with an unauthenticated NBTLS. Should lead to an error.	Step		Input/Data	Expected Results
			1	get all onboarded countries		
			2	create custom authentication certificate		
			3	download rules of all countries with custom certificate		all Responses had the status code 400
TXR-2870	INT_DGCG_delete_invalidation_Rule	Delete an Invalidation Rule. This should be no problem as Invalidation Rules can be deleted.	Step		Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created		Response had no errors
			5	check that Rule is not in Rulelist		Rule is not in Rulelist

TXR-2871	INT_DGCG_neg_delete_acceptance_Rule	Delete an Acceptance Rule. This should be an error because Acceptance Rules cannot be deleted.		Step	Input/Data	Expected Results
			1	get acceptance Rule from Rule list of own country		
			2	delete Rule		Response has an error
			3	check that Rule is in Rulelist		Rule is in Rulelist
TXR-2872	INT_DGCG_neg_delete_invalidation_Rule_of_another_country	Delete an Invalidation Rule of another country. This should not be possible.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		Rule is in Rulelist
			4	delete Rule created with certificate of another country		Response should have an error status code
			5	check that Rule is in Rulelist		Rule is in Rulelist
			6	delete Rule		
TXR-2873	INT_DGCG_neg_delete_invalidation_Rule_with_unauthenticated_NBTLS	Delete an Invalidation Rule with unauthenticated certificate. This should not be possible.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		
			3	check that Rule is in Rulelist		rule is in Rulelist
			4	create custom authentication certificate		
			5	delete Rule created with custom client certificate		response status code should be an error status code
			6	check that Rule is in Rulelist		Rule is in Rulelist
			7	delete Rule created		
TXR-2874	INT_DGCG_delete_Rule_not_in_database			Step	Input/Data	Expected Results
			1	delete Rule not in rulelist		Response status code should be an error status code
TXR-2875	INT_DGCG_neg_upload_Rule_with_uploader_country_in_wrong_format	Country attribute in a Rule should be like "en". Otherwise there should be an error		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	change countrycode to a wrong format		
			3	upload Rule		response Code should be 400
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2876	INT_DGCG_neg_upload_rule_with_wrong_uploader_country	Upload a Rule from another country. There should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	change countrycode to a wrong country		
			3	upload Rule		Response Code should be 400
			4	check that Rule is not in Rulelist		
TXR-2877	INT_DGCG_neg_upload_rule_with_ValidFrom_less_than_48h_in_the_future	Upload a Rule which is valid ealier than 48h. There should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	change ValidFrom less than "48"h		
			3	upload Rule		Error with the http status code "400"
			4	check that Rule is not in Rulelist		
TXR-2878	INT_DGCG_neg_upload_rule_with_ValidTo_less_than_72h_in_the_future	Upload a Rule which is valid less than 72h. There should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	change ValidTo less than "72"h		
			3	upload Rule		Error with http status code "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2879	INT_DGCG_neg_upload_rule_with_description_not_available	A Rule must have a description. An empty description should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	remove description of the Rule		
			3	upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2880	INT_DGCG_neg_upload_rule_with_description_filled_with_one_language_without_english	A Rule must have a description in english. Only having a description in another language should be an error		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		

				Step	Input/Data	Expected Results
			2	use only german in the description of the Rule		
			3	upload Rule		Response should have status code "400"
			4	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2881	INT_DGCG_neg_upload_rule_with_description_having_an_invalid_language	Languages of a Rule should have the formatting like "en" or "en-uk". Otherwise there should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	add language "en-" in description		
			3	upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2882	INT_DGCG_neg_upload_rule_which_version_doesn't_follow_semVer	Rule Version should be created with semantic versioning (like "1.2.3" and not like "1.2"). Otherwise there should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	set version of the Rule to "10"		
			3	upload Rule		Response status code should be "400"
			4	check that Rule is not in Rulelist		Rule should not be in Rulelist
TXR-2883	INT_DGCG_neg_upload_rule_which_schema_version_doesn't_follow_semVer	Rule Schema Version should be created with semantic versioning (like "1.2.3" and not like "1.2"). Otherwise there should be an error.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	set version of the schema to "10"		
			3	Upload Rule		Response http status code should be "400"
			4	check that Rule is not in Rulelist		Rule is not in Rulelist
TXR-2884	INT_DGCG_delete_Rule_automaticlly	A Rule should be deleted after it is not valid anymore. This Test cannot be automated because a Rule should be valid for at least 5 days.		Step	Input/Data	Expected Results
			1	create a valid Invalidation Rule		
			2	upload Rule		Response doesn't have errors
			3	wait for 5 days		Rule is no longer in Rulelist
TXR-2885	INT_DGCG_get_all_valuesets	Get All Valuesets. Response code should be 200.		Step	Input/Data	Expected Results
			1	get all valuesets		Check that Response is not Empty and has Response Code 200
TXR-2886	INT_DGCG_get_specifig_Valueset	Get data of a specific Valueset. The test first downloads all Valuesets and then checks if it can download the specirif Valueset.		Step	Input/Data	Expected Results
			1	get all valuesets		
			2	get details of first Valueset in list		Response is not empty and has no errors
TXR-2887	INT_DGCG_get_valueset_with_unauthenticated_NBTLS			Step	Input/Data	Expected Results
			1	create custom authentication certificate		
			2	get all valuesets with custom certificate		Response http status code should be "401"