

DataLab (0.1.0)

Online Edit Code

1) Get currently supported programming languages

Get the currently supported programming languages				
Interface name	Get the currently supported programming languages			
Interface description	none			
URL	/api/notebook/language			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				

Request parameters	
return value	

2) Get subject area Lists

Get subject area Lists				
Interface name	Get subject area Lists			
Interface description	none			
URL	/api/notebook/subject			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) Create an online programming project

Create an online programming project				
Interface name	Create an online programming project			
Interface description	none			
URL	/api/notebook/project			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	Y	
2.language_id	string	query	Y	
3.subject	string	query	N	
4.description	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	name=string&language_id=string&subject=string&description=string
return value	

4) Modify the project metadata

Modify the project metadata				
Interface name	Modify the project metadata			
Interface description	none			
URL	/api/notebook/project/{project_id}			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.project_id	string	path	Y	
2.name	string	query	N	
3.description	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters	name=string&description=string	
return value		

5) Delete a project

Delete a project				
Interface name	Delete a project			
Interface description	none			
URL	/api/notebook/project/{project_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.project_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

6) Get all projects of The current userthe

Get all projects of The current userthe				
Interface name	Get all projects of The current userthe			
Interface description	none			
URL	/api/notebook/projects			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2. size	integer	query	N	
3.project_name	string	query	N	
4.order_by	string	query	N	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	page=0&size=0&project_name=string&order_by=string	
return value		

7) Jump to the project correspondencethe online editor address

Jump to project correspondencethe online editor address				
Interface name	Jump to project correspondencethe online editor address			
Interface description	none			
URL	/api/notebook/redirect/{project_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.project_id	string	path	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

admin/audit

1) Update Audit Enumerate

Update Audit Enumerate	
Interface name	Update Audit Enumerate
Interface description	none
URL	/api/admin/audit/audit/enumerate
Request method	put
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.audit_type	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	audit_type=string			
return value				

2) Create Audit Enumerate

Create Audit Enumerate	
Interface name	Create Audit Enumerate
Interface description	none
URL	/api/admin/audit/audit/enumerate
Request method	post
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.audit_type	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	audit_type=string			
return value				

3) Delete Audit Enumerate

Delete Audit Enumerate	
Interface name	Delete Audit Enumerate
Interface description	none
URL	/api/admin/audit/audit/enumerate
Request method	delete
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.enumerate_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	enumerate_id=string			
return value				

4) Resource Audit

Resource Audit	
Interface name	Resource Audit
Interface description	none
URL	/api/admin/audit/audit
Request method	get
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2.limit	integer	query	N	
3.name	string	query	N	
4.audit_result	string	query	N	
5.audit_type	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&limit=0&name=string&audit_result=string&audit_type=string			
return value				

admin/base/sysconf

1) System mail configuration test

System mail configuration test	
Interface name	System mail configuration test

me				
Interface description	System mail configuration test :param receiver: :param current_user: :return:			
URL	/api/admin/base/sysconf/emailconf/test			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.receiver	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	receiver=string			
return value				

2) System mail configuration update

System mail configuration update	
Interface name	System mail configuration update

me				
Interface description	System mail configuration update :param conf_id: :param form: :param current_user: :return:			
URL	/api/admin/base/sysconf/emailconfs/{conf_id}			
Request method	put			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.conf_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) System mail configuration list

System mail configuration list

Interface name	System mail configuration list			
Interface description	none			
URL	/api/admin/base/sysconf/emailconfs/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

admin/base/ui

1) Platform Configuration Details

Platform Configuration Details

Interface name	Platform Configuration Details			
Interface description	none			
URL	/api/admin/base/ui/platform			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2) Platform configuration modification

Platform configuration modification	
Interface name	Platform configuration modification
Interface description	none

URL	/api/admin/base/ui/platform			
Request method	put			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) Platform Configuration Creation

Platform Configuration Creation	
Interface name	Platform Configuration Creation
Interface description	none
URL	/api/admin/base/ui/platform

Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4) Home Configuration Details

Home Configuration Details	
Interface name	Home Configuration Details
Interface description	none
URL	/api/admin/base/ui/indexui
Request method	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

5) Home page configuration Modification

Home page configuration Modification	
Interface name	Home page configuration Modification
Interface description	none
URL	/api/admin/base/ui/indexui
Request method	put
Request type	application/json
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: UiUpdateForm	body	Y	
1.1.title	string		N	
1.2.intro	string		N	
1.3.styles_start	object		N	
1.4.styles_stats	object		N	
1.5.styles_copyright	object		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"title":"string","intro":"string","styles_start":{},"styles_stats":{},"styles_copyright":{}}'			
return value				

6) Home page configuration Modificationfile

Home page configuration Modificationfile	
Interface name	Home page configuration Modificationfile

Interface description	none			
URL	/api/admin/base/ui/indexui/file			
Request method	put			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

7)Experiment page configuration details

Experiment page configuration details	
Interface name	Experiment page configuration details
Interface description	none

URL	/api/admin/base/ui/experimentui			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

8) Experiment page configuration modification

Experiment page configuration modification	
Interface name	Experiment page configuration modification
Interface description	none
URL	/api/admin/base/ui/experimentui
Request method	put

Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

9) Experiment page configuration creation

Experiment page configuration creation	
Interface name	Experiment page configuration creation
Interface description	none
URL	/api/admin/base/ui/experimentui
Request method	post
Request type	application/x-www-form-urlencoded

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

10) Profiling tool page configuration details

Profiling tool page configuration details	
Interface name	Profiling tool page configuration details
Interface description	none
URL	/api/admin/base/ui/skeletonui
Request method	get
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

11) Profiling tool page configuration changes

Profiling tool page configuration changes				
Interface name	Profiling tool page configuration changes			
Interface description	none			
URL	/api/admin/base/ui/skeletonui			
Request method	put			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

12) Profiling tool page configuration creation

Profiling tool page configuration creation				
Interface name	Profiling tool page configuration creation			
Interface description	none			
URL	/api/admin/base/ui/skeletonui			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			

422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

admin/experiments

1) List of experiments (Trial run experiments are not included)

List of experiments (Trial run experiments are not included)	
Interface name	List of experiments (Trial run experiments are not included)
Interface description	NOTE: Experiments during the trial run are not shown (is_trial=True) :param is_shared: :param name: :param creator: :param page: :param size: :param sort: :param current_user: :return:
URL	/api/admin/experiments/
Request method	get
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.is_shared	boolean	query	N	
2.name	string	query	N	
3.creator	string	query	N	
4.page	integer	query	N	
5. size	integer	query	N	
6.sort	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	is_shared=true&name=string&creator=string&page=0&size=0&sort=string			
return value				

admin/microservices

1) Registered microservice Lists

Registered microservice Lists				
Interface name	Registered microservice Lists			
Interface description	none			
URL	/api/admin/microservices/services			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2.size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&size=0			
return value				

2) Service integration

Service integration				
Interface name	Service integration			
Interface description	none			
URL	/api/admin/microservices/integration/server			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) Software Service integration

SoftwareService integration

Interface name	SoftwareService integration			
Interface description	none			
URL	/api/admin/microservices/integration/software			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4) Remove an integrated service

Remove an integrated service	
Interface name	Remove an integrated service
Interface description	none

URL	/api/admin/microservices/offline/{service_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.service_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

5) Modify the service metadata

Modify the service metadata	
Interface name	Modify the service metadata
Interface description	none

URL	/api/admin/microservices/update/service/{service_id}			
Request method	put			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.service_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

admin/permissions

1) Permission tree structure

Permission tree structure

Interface name	Permission tree structure			
Interface description	Gets the permission tree structure			
URL	/api/admin/permissions/tree			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

admin/res_admin

1) Storage resource management

Storage resource management

Interface name	Storage resource management			
Interface description	none			
URL	/api/admin/res_adm/storage			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.content	string	query	N	
2.user_role	string	query	N	
3.page	integer	query	N	
4.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	content=string&user_role=string&page=0&limit=0			
return value				

2) Individual users store resource modifications

Individual users store resource modifications				
Interface name	Individual users store resource modifications			
Interface description	none			
URL	/api/admin/res_adm/storage			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.storage_id	string	query	Y	
2.allocated_storage_size	integer	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	storage_id=string&allocated_storage_size=0			

return value	
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3) Storage resource allocation

Storage resource allocation				
Interface name	Storage resource allocation			
Interface description	none			
URL	/api/admin/res_adm/storage			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	query	Y	
2.allocated_storage_size	integer	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	user_id=string&allocated_storage_size=0
return value	

4) Storage resource management, Storage resources allocated to roles

Storage resource management, Storage resources allocated to roles				
Interface name	Storage resource management, Storage resources allocated to roles			
Interface description	All users under a certain Role will have theStorage resource allocation</br> :param role_id: Roleid</br> :param allocated_storage_size: Authorized usage of resources</br> :return:			
URL	/api/admin/res_adm/storage/allocated/role			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.role_id	string	query	Y	
2.allocated_storage_size	integer	query	Y	
status code	describe		illustrate	
200	Successful Res			

	ponse	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	role_id=string&allocated_storage_size=0	
return value		

5) Gets the default allocated storage for the current new user

Gets the default allocated storage for the current new user				
Interface name	Gets the default allocated storage for the current new user			
Interface description	none			
URL	/api/admin/res_adm/storage/newcomer			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	

200	Successful Response	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

6) New users are assigned storage Settings by default

New users are assigned storage Settings by default				
Interface name	New users are assigned storage Settings by default			
Interface description	none			
URL	/api/admin/res_adm/storage/newcomer			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.allocated_storage_size	integer	query	Y	
status code	describe		illustrate	
200	Successful Response			

422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	allocated_storage_size=0	
return value		

7) Gets the default quota allocated for the current new user

Gets the default quota allocated for the current new user				
Interface name	Gets the default quota allocated for the current new user			
Interface description	none			
URL	/api/admin/res_adm/quota/newcomer			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

8)Default quota setting for new users

Default quota setting for new users				
Interface name	Default quota setting for new users			
Interface description	none			
URL	/api/admin/res_adm/quota/newcomer			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.allocated_storage_size	integer	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters	allocated_storage_size=0	
return value		

9) Get the quota conversion calculation resource rules

Get the quota conversion calculation resource rules				
Interface name	Get the quota conversion calculation resource rules			
Interface description	none			
URL	/api/admin/res_adm/computing_quota			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				

Request parameters	
return value	

10) Modify the quota conversion calculation resource rules

Modify the quota conversion calculation resource rules				
Interface name	Modify the quota conversion calculation resource rules			
Interface description	none			
URL	/api/admin/res_adm/computing_quota			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.cpu_quota	number	query	N	
2.cpu_unit_measurement	string	query	N	
3.memory_quota	number	query	N	
4.memory_unit_measurement	string	query	N	
5.gpu_quota	number	query	N	

6.gpu_unit_measurement	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	cpu_quota=0.0&cpu_unit_measurement=string&memory_quota=0.0&memory_unit_measurement=string&gpu_quota=0.0&gpu_unit_measurement=string			
return value				

11) Get the quota conversion storage rule

Get the quota conversion storage rule				
Interface name	Get the quota conversion storage rule			
Interface description	none			
URL	/api/admin/res_adm/storage_quota			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Typ	Is it required?	illustrate

		e		
status code	describe		illustrate	
200	Successful Res ponse			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

12) Modify the quota conversion storage rule

Modify the quota conversion storage rule				
Interface name	Modify the quota conversion storage rule			
Interface description	none			
URL	/api/admin/res_adm/storage_quota			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.quota	integer	query	N	

2.storage_unit_measurement	string	query	N	
3.enable	boolean	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	quota=0&storage_unit_measurement=string&enable=true			
return value				

13) Quota flow details

Quota flow details	
Interface name	Quota flow details
Interface description	none
URL	/api/admin/res_adm/quota
Request method	post
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.statement_id	string	query	N	
2.user	string	query	N	
3.email	string	query	N	
4.organization	string	query	N	
5.statement_type	string	query	N	
6.begin_time	string	query	N	
7.end_time	string	query	N	
8.order_by	string	query	N	
9.page	integer	query	N	
10.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	statement_id=string&user=string&email=string&organization=string&statement_type=string&begin_time=string&end_time=string&order_by=string&page=0&limit=0			

return value	
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14) Init Platform Resource

Init Platform Resource				
Interface name	Init Platform Resource			
Interface description	none			
URL	/api/admin/res_adm/init_storage			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

15)Init Platform Quota

Init Platform Quota				
Interface name	Init Platform Quota			
Interface description	none			
URL	/api/admin/res_adm/init_quota			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

16)Create Fake Data

Create Fake Data	
Interface name	Create Fake Data

Interface description	none			
URL	/api/admin/res_adm/jsj			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

17)Search Users Quota

Search Users Quota	
Interface name	Search Users Quota
Interface description	none
URL	/api/admin/res_adm/quota/users

Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.page	integer	query	N	
3.size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string&page=0&size=0			
return value				

18) Allocate quotas by Role

Allocate quota by role	
Interface name	Allocate quota by role
Interface description	none

cription				
URL	/api/admin/res_adm/quota/allocation/role			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.role_id	string	query	Y	
2.quota	number	query	N	
3.reset	number	query	N	
4.remark	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	role_id=string"a=0.0&reset=0.0&remark=string			
return value				

19) Batch allocation quota

Batch allocation quota				
Interface name	Batch allocation quota			
Interface description	none			
URL	/api/admin/res_adm/quota/allocation/user			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.quota	number	query	N	
2.reset	number	query	N	
3.remark	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	quota=0.0&reset=0.0&remark=string			
return value				

admin/res_adm/data

1)Access to open data

Access to open data				
Interface name	Access to open data			
Interface description	none			
URL	/api/admin/res_adm/data/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.page	integer	query	N	
3.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters	name=string&page=0&limit=0	
return value		

2) Modifying public data

Modifying public data				
Interface name	Modifying public data			
Interface description	none			
URL	/api/admin/res_adm/data/			
Request method	put			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.name	string	query	N	
3.label	string	query	N	
4.data_type	string	query	N	
5.description	string	query	N	

6.access	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	dataset_id=string&name=string&label=string &data_type=string&description=string&acce ss=string			
return value				

3)Creating public data

Creating public data				
Interface name	Creating public data			
Interface description	none			
URL	/api/admin/res_adm/data/			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.name	string	query	Y	
2.label	string	query	Y	
3.description	string	query	Y	
4.data_type	string	query	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	name=string&label=string&description=string&data_type=string			
return value				

4) Deleting Public Data

Deleting Public Data	
Interface name	Deleting Public Data
Interface description	none
URL	/api/admin/res_adm/data/
Request method	delete
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dataset_id=string			
return value				

5) Whether public dataset state access is open to users

Whether public dataset state access is open to users	
Interface name	Whether public dataset state access is open to users
Interface description	none
URL	/api/admin/res_adm/data/options
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

6) Whether to make public datasets available to users

Whether to make public datasets available to users				
Interface name	Whether to make public datasets available to users			
Interface description	none			
URL	/api/admin/res_adm/data/options			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.option	boolean	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	option=true			
return value				

7) Access to open the data file under the data set

Access to open the data file under the data set				
Interface name	Access to open the data file under the data set			
Interface description	none			
URL	/api/admin/res_adm/data/data			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.dataset_id	string	query	Y	
2.name	string	query	N	
3.file_extension	string	query	N	
4.page	integer	query	N	
5.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dataset_id=string&name=string&file_extension=string&page=0&limit=0			
return value				

8) Upload the data file to the public dataset

Upload the data file to the public dataset	
Interface name	Upload the data file to the public dataset
Interface description	none
URL	/api/admin/res_adm/data/data
Request method	post

Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.description	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dataset_id=string&description=string			
return value				

9) The data set under Creating public Data source

Creating public Data source under the data set	
Interface name	Creating public Data source under the data set
Interface description	none
URL	/api/admin/res_adm/data/datasets
Request method	post

hod				
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

10) Upload the data file to the dataset under the public data source

Upload the data file to the dataset under the public data source	
Interface name	Upload the data file to the dataset under the public data source
Interface description	none
URL	/api/admin/res_adm/data/datasets/upload_file

Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

11)Merge File

Merge File	
Interface name	Merge File
Interface description	none
URL	/api/admin/res_adm/data/datasets/merge_file
Request method	post

Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

12) Get the data file under the dataset

Get the data file under the dataset	
Interface name	Get the data file under the dataset
Interface description	none
URL	/api/admin/res_adm/data/datasets/{datasets_id}
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.name	string	query	N	
3.file_extension	string	query	N	
4.page	integer	query	N	
5.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dataset_id=string&name=string&file_extension=string&page=0&limit=0			
return value				

13) Change the dataset information

Change the dataset information	
Interface name	Change the dataset information
Interface des	none

cription				
URL	/api/admin/res_adm/data/datasets/{datasets_id}			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.name	string	query	N	
3.description	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dataset_id=string&name=string&description=string			
return value				

14) InstDBInteroperate to obtain data set information

InstDBInteroperate to obtain data set information

Interface name	InstDBInteroperate to obtain data set information			
Interface description	none			
URL	/api/admin/res_adm/data/instdb			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.url	string	query	Y	
2.secret_key	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	url=string&secret_key=string			
return value				

15) Select ImportInstDBWhich datasets?,Passed into the datasetid

Select ImportInstDBWhich datasets?,Passed into the data setid				
Interface name	Select ImportInstDBWhich datasets?,Passed into the datasetid			
Interface description	none			
URL	/api/admin/res_adm/datainstdb			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

16) Delete the data set under the data source

Delete the data set under the data source

Interface name	Delete the data set under the data source			
Interface description	none			
URL	/api/admin/res_adm/data/datasets/{dataset_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

17) Delete the data set under the data source in the file

Delete the data set under the data source in the file

Interface name	Delete the data set under the data source in thefile			
Interface description	none			
URL	/api/admin/res_adm/data/datasets/{datasets_id}/{file_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.datasets_id	string	path	Y	
2.file_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

admin/skel_adm

1) Tool category list

Tool category list				
Interface name	Tool category list			
Interface description	:param page: :param size: :param current_user: :return:			
URL	/api/admin/skel_adm/categories/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2.size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&size=0			

return value	
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2) Tool category creation

Tool category creation				
Interface name	Tool category creation			
Interface description	:param name: :param current_user: :return:			
URL	/api/admin/skel_adm/categories/			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string			

return value	
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3) Tool classification update

Tool classification update				
Interface name	Tool classification update			
Interface description	:param category_id: :param name: :param swap_with: :param current_user: :return:			
URL	/api/admin/skel_adm/categories/{category_id}			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.category_id	string	path	Y	
2.name	string	query	N	
3.swap_with	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	name=string&swap_with=string
return value	

4) Tool category Delete

Tool category Delete				
Interface name	Tool category Delete			
Interface description	:param category_id: :param name: :param current_user: :return:			
URL	/api/admin/skel_adm/categories/{category_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.category_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	
return value	

5)Analysis tool review list

Analysis tool review list				
Interface name	Analysis tool review list			
Interface description	:param background_tasks: :param name: :param user_name: :param state: :param is_online: :param page: :param size: :param current_user: :return:			
URL	/api/admin/skel_adm/audit/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.user_name	string	query	N	
3.state	string	query	N	
4.is_online	boolean	query	N	

5.page	integer	query	N	
6. size	integer	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	name=string&user_name=string&state=strin g&is_online=true&page=0&size=0			
return value				

6)Analysis tools review and edit

Analysis tools review and edit	
Interface name	Analysis tools review and edit
Interface description	Administrator, Analysis tools that have been submitted (APPROVING), Conduct audit operations: - APPROVED - DISAPPROVED :param skeleton_id: :param audit_state: :param audit_opinion: :param category_name: :param current_user: :return:
URL	/api/admin/skel_adm/audit/{skeleton_id}
Request method	put
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
2.audit_state	string	query	Y	
3.audit_opinion	string	query	N	
4.category_name	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	audit_state=string&audit_opinion=string&category_name=string			
return value				

7) List of analysis tools

List of analysis tools	
Interface name	List of analysis tools
Interface description	:param background_tasks: :param name: :param user_name: :param state: :param is_online: :param page: :param size: :param

	current_user: :return:			
URL	/api/admin/skel_adm/skeletons/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.user_name	string	query	N	
3.state	string	query	N	
4.is_online	boolean	query	N	
5.page	integer	query	N	
6. size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string&user_name=string&state=string&is_online=true&page=0&size=0			

return value	
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8)Analysis Tool Details

Analysis Tool Details				
Interface name	Analysis Tool Details			
Interface description	:param skeleton_id: :param current_user: :return:			
URL	/api/admin/skel_adm/skeletons/{skeleton_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				

return value	
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9) Analysis tool updates

Analysis tool updates				
Interface name	Analysis tool updates			
Interface description	(Administrator) Update analysis tools: - Go online/Go offline - Classification :param skeleton_id: :param update_form: :param current_user: :return:			
URL	/api/admin/skel_adm/{skeleton_id}			
Request method	put			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	
return value	

admin/skel_adm/analyses

1) List of analyses

List of analyses				
Interface name	List of analyses			
Interface description	:param name: :param creator: :param skeleton_id: :param state: :param page: :param size: :param sort: :param current_user: :return:			
URL	/api/admin/skel_adm/analyses/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.creator	string	query	N	
3.skeleton_id	string	query	N	

4.state	string	query	N	
5.page	integer	query	N	
6. size	integer	query	N	
7.sort	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	name=string&creator=string&skeleton_id=string&state=string&page=0&size=0&sort=string			
return value				

admin/tool_admin

1) Whereas class components-Lists

Whereas class components-Lists	
Interface name	Whereas class components-Lists
Interface description	none

URL	/api/admin/tool_adm/visualization			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
3.state	boolean	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0&state=true			
return value				

2) Disable/Enable a visualization component

Disable/Enable a visualization component	
Interface name	Disable/Enable a visualization component

me				
Interface description	none			
URL	/api/admin/tool_adm/visualization/state			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.tool_id	string	query	Y	
2.state	boolean	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	tool_id=string&state=true			
return value				

3) Analyzing class Components–Tree pattern

Analyzing class Components-Tree pattern				
Interface name	Analyzing class Components-Tree pattern			
Interface description	none			
URL	/api/admin/tool_adm/analysis/tree			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.state	object	query	N	
2.audit	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	state={}&audit=string			
return value				

4) Analyzing class Components-Table schema

Analyzing class Components-Table schema				
Interface name	Analyzing class Components-Table schema			
Interface description	none			
URL	/api/admin/tool_adm/analysis/list			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0			
return value				

5) Component Details

Component Details				
Interface name	Component Details			
Interface description	none			
URL	/api/admin/tool_adm/{component_name}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

6) Component editing

Component editing				
Interface name	Component editing			
Interface description	none			
URL	/api/admin/tool_adm/{component_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

7) Component removal

Component removal				
Interface name	Component removal			
Interface description	none			
URL	/api/admin/tool_adm/{component_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

8) Get All Env

Get AllEnv				
Interface name	Get AllEnv			
Interface description	none			
URL	/api/admin/tool_adm/runtime/env			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

9) Component trial run creation

Component trial run creation	
Interface name	Component trial run creation

Interface description	none			
URL	/api/admin/tool_adm/trials/			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: TrialExperimentSchema	body	Y	
1.1.trial_tool_id	string		Y	
1.2.name	string		Y	
1.3.description	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"trial_tool_id":"string","name":"string","description":"string"}'			

return value	
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10) Component trial run details

Component trial run details				
Interface name	Component trial run details			
Interface description	none			
URL	/api/admin/tool_adm/trials/{expt_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				

return value	
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11) Component auditing

Component auditing				
Interface name	Component auditing			
Interface description	none			
URL	/api/admin/tool_adm/audit/{component_id}			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
2.audit	string	query	Y	
3.info	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	audit=string&info=string
return value	

12)Component Audit Submit

Component Audit Submit				
Interface name	Component Audit Submit			
Interface description	none			
URL	/api/admin/tool_adm/audit/submit/{component_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	
return value	

13) Audit Info

Audit Info				
Interface name	Audit Info			
Interface description	none			
URL	/api/admin/tool_adm/audit/info			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.audit_type	string	query	N	
2.skip	integer	query	N	
3.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters	audit_type=string&skip=0&limit=0	
return value		

14) Audit Info

Audit Info				
Interface name	Audit Info			
Interface description	none			
URL	/api/admin/tool_adm/audit/info			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.audit_type	string	query	N	
2.skip	integer	query	N	
3.limit	integer	query	N	
4.name	string	query	N	
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	audit_type=string&skip=0&limit=0&name=string	
return value		

15) Get Tools Dir

GetToolsDir				
Interface name	GetToolsDir			
Interface description	none			
URL	/api/admin/tool_adm/components_tree/tree			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	skip=0&limit=0	
return value		

16) Post Tools Dir

Post Tools Dir				
Interface name	Post Tools Dir			
Interface description	none			
URL	/api/admin/tool_adm/components_tree/tree			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: ToolsTreeSche	body	Y	

	ma			
1.1.id	string		N	
1.2.name	string		Y	
1.3.level	integer		Y	
1.4.parent	string		N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	-d '{"id":"string","name":"string","level":0,"pare nt":"string"}'			
return value				

17) Get Tools Dir

GetToolsDir	
Interface na me	GetToolsDir
Interface des cription	none
URL	/api/admin/tool_adm/components_tree/dir
Request met hod	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

18)Update Component Tree

Update Component Tree	
Interface name	Update Component Tree
Interface description	none
URL	/api/admin/tool_adm/components_tree/tree/{dir_name}
Request method	put
Request type	application/json
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dir_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

19) Delete Tools Dir

Delete Tools Dir	
Interface name	Delete Tools Dir
Interface description	none
URL	/api/admin/tool_adm/components_tree/tree/{tools_id}
Request method	delete
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.tools_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

admin/user_adm/roles

1) RoleLists

RoleLists	
Interface name	RoleLists
Interface description	none
URL	/api/admin/user_adm/roles/
Request method	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2) Role creation

Role creation	
Interface name	Role creation
Interface description	none
URL	/api/admin/user_adm/roles/
Request method	post
Request type	application/json
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: RoleCreateSchema	body	Y	
1.1.name	string		Y	
1.2.is_default_role	boolean		N	
1.3.permissions	array		Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.id	string			
2.name	string			
3.permissions	array			
4.is_innate	boolean			
5.is_default_role	boolean			
6.creator	string			
7.created_at	string(date-time)			
8.updated_at	string(date-time)			

Example	
Request parameters	-d '{"name":"string","is_default_role":true,"permissions":[]}'
return value	{"creator":"string","updated_at":"2020/01/01 00:00:00","is_default_role":true,"permissions":[{}],"name":"string","is_innate":true,"created_at":"2020/01/01 00:00:00","id":"string"}

3) Role Details

Role Details				
Interface name	Role Details			
Interface description	none			
URL	/api/admin/user_adm/roles/{role_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.role_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
1.id	string	
2.name	string	
3.permissions	array	
4.is_innate	boolean	
5.is_default_role	boolean	
6.creator	string	
7.created_at	string(date-time)	
8.updated_at	string(date-time)	
Example		
Request parameters		
return value	<pre>{"creator":"string","updated_at":"2020/01/01 00:00:00","is_default_role":true,"permissions":[{}],"name":"string","is_innate":true,"created_at":"2020/01/01 00:00:00","id":"string"}</pre>	

4) Role update

Role update	
Interface name	Role update
Interface description	none
URL	/api/admin/user_adm/roles/{role_id}

Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.role_id	string	path	Y	
2.body	object: RoleUpdateSchema	body	Y	
2.1.name	string		N	
2.2.is_default_role	boolean		N	
2.3.permissions	array		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.id	string			
2.name	string			
3.permissions	array			
4.is_innate	boolean			

5.is_default_role	boolean	
6.creator	string	
7.created_at	string(date-time)	
8.updated_at	string(date-time)	
Example		
Request parameters	-d '{"name":"string","is_default_role":true,"permissions":[{}]}'	
return value	{"creator":"string","updated_at":"2020/01/01 00:00:00","is_default_role":true,"permissions":[{}],"name":"string","is_innate":true,"created_at":"2020/01/01 00:00:00","id":"string"}	

5) Role deletion

Role deletion				
Interface name	Role deletion			
Interface description	Of the associated user role Empty fields during Role deletion			
URL	/api/admin/user_adm/roles/{role_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.role_id	string	path	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

admin/user_adm/users

1) User Lists

UserLists	
Interface name	UserLists
Interface description	Retrieve users.
URL	/api/admin/user_adm/users/
Request method	get
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.q	string	query	N	
2.role	string	query	N	
3.is_active	object	query	N	
4.page	integer	query	N	
5.size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	q=string&role=string&is_active={}&page=0&size=0			
return value				

2) User creation

User creation	
Interface name	User creation
Interface description	Create new user.
URL	/api/admin/user_adm/users/

Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) User details

User details	
Interface name	User details
Interface description	Retrieve user
URL	/api/admin/user_adm/users/{user_id}
Request method	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4)User updates

User updates	
Interface name	User updates
Interface description	The current user (forAdministrator)Change other users (It could be yourself)Status information of: - is_active - role
URL	/api/admin/user_adm/users/{user_id}
Request method	put

Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

5)User deletion

User deletion	
Interface name	User deletion
Interface description	none
URL	/api/admin/user_adm/users/{user_id}
Request method	delete

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

analyzes

1) List of analyses

List of analyses	
Interface name	List of analyses
Interface description	:param is_trial: :param name: :param creator: :param skeleton_id: :param state: :param page: :param size: :param sort: :param

	current_user: :return:			
URL	/api/analyses/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.is_trial	boolean	query	N	
2.name	string	query	N	
3.creator	string	query	N	
4.skeleton_id	string	query	N	
5.state	string	query	N	
6.page	integer	query	N	
7.size	integer	query	N	
8.sort	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	is_trial=true&name=string&creator=string&skeleton_id=string&state=string&page=0&size=0&sort=string
return value	

2)Analysis creation

Analysis creation				
Interface name	Analysis creation			
Interface description	note: Because it involves a trial run, therefore, no verification is required Skeleton state :param createSchema: :param current_user: :return:			
URL	/api/analyses/			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: Analysis2CreateSchema	body	Y	
1.1.skeleton	string		Y	
1.2.is_trial	boolean		N	

1.3.name	string		Y	
1.4.description	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"skeleton":"string","is_trial":true,"name":"string","description":"string"}'			
return value				

3)Analysis details

Analysis details				
Interface name	Analysis details			
Interface description	:param analysis_id: :param current_user: :return:			
URL	/api/analyses/{analysis_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Typ	Is it required?	illustrate

		e		
1.analysis_id	string	path	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

4)Analysis editor

Analysis editor				
Interface name	Analysis editor			
Interface description	:param analysis_id: :param update: :param current_user: :return:			
URL	/api/analyses/{analysis_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Typ	Is it required?	illustrate

		e		
1.analysis_id	string	path	Y	
2.body	object: Analysis2UpdateSchema	body	Y	
2.1.name	string		N	
2.2.description	string		N	
2.3.inputs	array		N	
2.4.outputs	array		N	
2.5.state	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"name":"string","description":"string","inputs":[{}],"outputs":[{}],"state":"string"}'			
return value				

5)Analyze deletion

Analyze deletion

Interface name	Analyze deletion			
Interface description	:param analysis_id: :param current_user: :return:			
URL	/api/analyses/{analysis_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.analysis_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

auth

1) Log in and get token

Log in and get token				
Interface name	Log in and get token			
Interface description	none			
URL	/api/login			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.access_token	string			
2.token_type	string			
Example				
Request parameters				
return value	{"access_token":"string","token_type":"string"}			

2) Forgot password

Forgot password				
Interface name	Forgot password			
Interface description	Forgot password, Send a password reset email :return:			
URL	/api/passwordForget			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3)Reset Password

Reset Password

Interface name	Reset Password			
Interface description	Click the Reset Password email to jump to the Front-endReset Password page (Carry aroundtoken); The frontend resets the user password + token Send to this interface :return:			
URL	/api/passwordReset			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4)Verify email validity

Verify email validity

Interface name	Verify email validity			
Interface description	none			
URL	/api/emailVerify			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.token	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	token=string			
return value				

5) Current logged-in user information

Current logged-in user information

Interface name	Current logged-in user information			
Interface description	Retrieve user			
URL	/api/me			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

component_chain

1) Components Dataset

ComponentsDataset

Interface name	ComponentsDataset			
Interface description	none			
URL	/api/flow/dag/{experiments_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.experiments_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2) Component Start

Component Start

Interface name	Component Start			
Interface description	none			
URL	/api/flow/{analysis_id}			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.analysis_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) Get Analysis Result

Get Analysis Result

Interface name	Get Analysis Result			
Interface description	none			
URL	/api/flow/results/{analysis_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.analysis_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

components

1) Component Start

Component Start				
Interface name	Component Start			
Interface description	none			
URL	/api/components/component/{function_name}			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.function_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2) Delete Component

Delete Component				
Interface name	Delete Component			
Interface description	none			
URL	/api/components/component/{function_name}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	component_id=string			
return value				

3) Component Start

Component Start				
Interface name	Component Start			
Interface description	Result export			
URL	/api/components/result/{task_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4)Visualization

Visualization				
Interface name	Visualization			
Interface description	none			
URL	/api/components/visualization/{data_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.data_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.name	string			
2.data	string			
3.installed	boolean			
4.other	array			
5.id	string			

6.status	integer	
Example		
Request parameters		
return value	{ "name": "string", "installed": true, "other": [{}], "id": "string", "data": "string", "status": 0 }	

5) Delete Visualization Component

Delete Visualization Component				
Interface name	Delete Visualization Component			
Interface description	none			
URL	/api/components/visualization/{component_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

6)Create Visualization Response

Create Visualization Response				
Interface name	Create Visualization Response			
Interface description	none			
URL	/api/components/visualization_data			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: VisualizationDataInCreate	body	Y	
1.1.data_id	string		Y	
1.2.component_id	string		Y	

status code	describe	illustrate
200	Successful Res ponse	
422	Validation Error	
Return attrib ute name	type	illustrate
Example		
Request par ameters	-d '{"data_id":"string","component_id":"string"}'	
return value		

7) Update Market Component Custom

Update Market Component Custom				
Interface na me	Update Market Component Custom			
Interface des cription	none			
URL	/api/components/custom/link			
Request met hod	post			
Request type	application/json			
Return type	application/json			
parameter na me	type of data	Parame ter Typ e	Is it re quired?	illustrate
1.component _id	string	query	Y	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	component_id=string	
return value		

8) Vis

Vis				
Interface name	Vis			
Interface description	:param function_name: faas visualization function service :param data: example {"bucket": "test", "object_name": "c/c/c/res.csv"} :return: {"data": [], "msg": "", "code"}			
URL	/api/components/vis/{function_name}			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.function_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

9) Structure Schema

Structure Schema				
Interface name	Structure Schema			
Interface description	Returns the data Structure description of a certain variable			
URL	/api/components/structure			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.structure_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	structure_id=string			
return value				

10) Structure View

Structure View				
Interface name	Structure View			
Interface description	none			
URL	/api/components/structure			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.lab_id	string	query	Y	
2.task_id	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	lab_id=string&task_id=string			
return value				

11) Components Dataset

ComponentsDataset	
Interface name	ComponentsDataset
Interface description	Obtaining experimental data :param lab_id: Experimentid :param task_id: Operator executionid :param name: Fuzzy query name :param file_extension: fileTypesClassification :param skip: Paging parameters, Start bit :param limit: Paging parameters, Step size :param deps: depth: return:
URL	/api/components/datasets/{lab_id}
Request method	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.lab_id	string	path	Y	
2.task_id	string	query	N	
3.name	string	query	N	
4.file_extension	string	query	N	
5.deps	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	task_id=string&name=string&file_extension=string&deps=0			
return value				

12) Delete Dataset

Delete Dataset	
Interface name	Delete Dataset

Interface description	none			
URL	/api/components/datasets/{lab_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.lab_id	string	path	Y	
2.task_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	task_id=string			
return value				

13) Get Runtime Resource Used

Get Runtime Resource Used	
Interface name	Get Runtime Resource Used

me				
Interface description	none			
URL	/api/components/resource/{task_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

14) traversal data file folder

traversal data file folder	
Interface name	traversal data file folder

me				
Interface description	none			
URL	/api/components/iterdir/{lab_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.lab_id	string	path	Y	
2.dir_path	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	dir_path=string			
return value				

15) Download Lab Data

Download Lab Data

Interface name	Download Lab Data			
Interface description	Data download interface, flag Distinction Object Storage System/file storage system, the file folder is compressed by forzip by default :param flag: Distinction storage system, my data is temporarily used myDataMarking, ExperimentID is used to generate the data :param object_name : To Downloadthefile path/Object name :return: StreamingResponse/file does not exist, then 404			
URL	/api/components/download			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.flag	string	query	N	
2.object_name	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	flag=string&object_name=string
return value	

16) Get All Components Instance

Get All Components Isinstance				
Interface name	Get All Components Isinstance			
Interface description	none			
URL	/api/components/function			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

17)Component Start

Component Start				
Interface name	Component Start			
Interface description	none			
URL	/api/components/test/{function_name}			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.function_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

18)Task Callback Signal

Task Callback Signal				
Interface name	Task Callback Signal			
Interface description	none			
URL	/api/components/callback/{task_id}			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

datalab_dashboard

1) Get Lab Report

Get Lab Report				
Interface name	Get Lab Report			
Interface description	none			
URL	/api/board/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

datasets

1) Data file upload

Data file upload				
Interface name	Data file upload			
Interface description	Uploading data files			
URL	/api/datasets/file/upload			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				

return value	
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2)Data folder upload

Data folder upload				
Interface name	Data folder upload			
Interface description	Uploading data files folder logic: - Front-end: Compress folders, Upload the zip file - Backend: Decompress the compressed package, And will dir Information writing DataFileSystem (Know dir The path information is sufficient, Subsequent displays can be positioned dir the children)			
URL	/api/datasets/folder/upload			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	
return value	

3) Create Dataset Folder

Create Dataset Folder				
Interface name	Create Dataset Folder			
Interface description	Creating folders (for Analysis sets the output path) :param name: :param parent: Parent directory :param current_user: :return:			
URL	/api/datasets/folder/create			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	Y	
2.parent	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	name=string&parent=string
return value	

4)Data download

Data download				
Interface name	Data download			
Interface description	file: Direct download file folder: After minifying and packing, Download :param dataset_id: :param current_user: :return:			
URL	/api/datasets/download			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	dataset_id=string
return value	

5) Data Lists

Data Lists				
Interface name	DataLists			
Interface description	Data Lists :param q: :param is_dir: :param page: :param size: :param current_user: :return:			
URL	/api/datasets/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.q	string	query	N	
2.is_dir	boolean	query	N	
3.page	integer	query	N	
4. size	integer	query	N	
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	q=string&is_dir=true&page=0&size=0	
return value		

6) Data Details

Data Details				
Interface name	Data Details			
Interface description	Data Details			
URL	/api/datasets/{dataset_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	path	Y	
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

7) Metadata updates

Metadata updates				
Interface name	Metadata updates			
Interface description	UpdateData Details			
URL	/api/datasets/{dataset_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	path	Y	
2.body	object: DatasetUpdate	body	Y	

	eSche ma			
2.1.description n	string		N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	-d '{"description":"string"}'			
return value				

8)Data deletion

Data deletion				
Interface na me	Data deletion			
Interface des cription	Data deletion(logicDelete)			
URL	/api/datasets/{dataset_id}			
Request met hod	delete			
Request type				
Return type	application/json			
parameter na me	type of data	Parame ter Typ	Is it re quired?	illustrate

		e		
1.dataset_id	string	path	Y	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

9) traversal data file folder

traversal data file folder	
Interface name	traversal data file folder
Interface description	According to id and data_path, traversal data_path, Return to the subordinate (Level 1 only) the files/folders :param id: :param data_path: :param is_dir: :param current_user: :return:
URL	/api/datasets/iterdir/{id}
Request method	get
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.id	string	path	Y	
2.data_path	string	query	Y	
3.is_dir	boolean	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	data_path=string&is_dir=true			
return value				

10) Data file upload

Data file upload	
Interface name	Data file upload
Interface description	Uploading data files, stored to The current user the bucket Within the: - bucket_name = current_user.id - Repeat thefile, Direct coverage
URL	/api/datasets_s3/file/upload

Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

11)Data folder upload

Data folder upload	
Interface name	Data folder upload
Interface description	Uploading data files folder logic: - (Front-end) Compress folders, then Upload the zip file - Receive and Decompress the compressed package to the corresponding user's data directory on the server - After uploading, Need to be removed - minio if duplicate names exist file, then Direct cov

	erage - Layer-by-layer traversalfile director y, Checking if is file: - YES: Splice path, And then upload it - NO: Splice pathafter, Keep iterating, continue - Only the file fol der the root Information writing DataFileSy stem (Hierarchical relationship, Can Accor ding to minio the path To iterate through each level)			
URL	/api/datasets_s3/folder/upload			
Request met hod	post			
Request type	multipart/form-data			
Return type	application/json			
parameter na me	type of data	Parame ter Typ e	Is it re quired?	illustrate
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

12) Data Lists

Data Lists				
Interface name	Data Lists			
Interface description	Obtaining experimental data :param name: :param file_extension: fileTypesClassification :param deps: depth :param current_user: :return:			
URL	/api/datasets_s3/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.file_extension	string	query	N	
3.deps	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string&file_extension=string&deps=0			

return value	
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experiments

1) List of experiments (Trial run experiments are not included)

List of experiments (Trial run experiments are not included)				
Interface name	List of experiments (Trial run experiments are not included)			
Interface description	NOTE: Experiments during the trial run are not shown (is_trial=True) :param is_shared: :param name: :param creator: :param page: :param size: :param sort: :param current_user: :return:			
URL	/api/experiments/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.is_shared	boolean	query	N	
2.name	string	query	N	

3.creator	string	query	N	
4.page	integer	query	N	
5. size	integer	query	N	
6.sort	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	is_shared=true&name=string&creator=string &page=0&size=0&sort=string			
return value				

2)Experiment Creation

Experiment Creation	
Interface na me	Experiment Creation
Interface des cription	none
URL	/api/experiments/
Request met hod	post
Request type	application/json

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: ExperimentBaseSchema	body	Y	
1.1.is_trial	boolean		N	
1.2.trial_tool_id	string		N	
1.3.name	string		Y	
1.4.description	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.is_trial	boolean			
2.trial_tool_id	string			
3.name	string			
4.description	string			
5.id	string			
6.is_shared	boolean			

7.shared_from_experiment	string	
8.user	string	
9.tasks	array	
10.created_at	string(date-time)	
11.updated_at	string(date-time)	
Example		
Request parameters	-d '{"is_trial":true,"trial_tool_id":"string","name":"string","description":"string"}'	
return value	{ "updated_at":"2020/01/01 00:00:00","shared_from_experiment":"string","is_shared":true,"name":"string","description":"string","created_at":"2020/01/01 00:00:00","id":"string","trial_tool_id":"string","is_trial":true,"user":"string","tasks":[{}]}	

3) Experiment deletion (Batch size)

Experiment deletion (Batch size)	
Interface name	Experiment deletion (Batch size)
Interface description	none
URL	/api/experiments/
Request method	delete
Request type	application/json

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: ExperimentBatchDeleteSchema	body	Y	
1.1.ids	array		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"ids":[]}'			
return value				

4)Details of the experiment

Details of the experiment	
Interface name	Details of the experiment
Interface description	none

URL	/api/experiments/{expt_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

5)Experimental modifications

Experimental modifications	
Interface name	Experimental modifications
Interface description	none

URL	/api/experiments/{expt_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
2.body	object: ExperimentUpdateSchema	body	Y	
2.1.name	string		N	
2.2.description	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.is_trial	boolean			
2.trial_tool_id	string			
3.name	string			
4.description	string			

5.id	string	
6.is_shared	boolean	
7.shared_from_experiment	string	
8.user	string	
9.tasks	array	
10.created_at	string(date-time)	
11.updated_at	string(date-time)	
Example		
Request parameters	-d '{"name":"string","description":"string"}'	
return value	{ "updated_at": "2020/01/01 00:00:00", "shared_from_experiment": "string", "is_shared": true, "name": "string", "description": "string", "created_at": "2020/01/01 00:00:00", "id": "string", "trial_tool_id": "string", "is_trial": true, "user": "string", "tasks": [{}] }	

6)Experiment deletion

Experiment deletion	
Interface name	Experiment deletion
Interface description	none
URL	/api/experiments/{expt_id}

Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

7) Replication of experiments

Replication of experiments	
Interface name	Replication of experiments
Interface description	Replication of experiments: - Name of experiment: experiment -> experiment_copy - Step replication: - task New: user for current_user - Based on the same tool - inputs: Copying variable names + Parameter v

	alues data - outputs: Copying variable names only, Not copying values data :param expt_id: :param current_user: :return:			
URL	/api/experiments/copy/{expt_id}			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.is_trial	boolean			
2.trial_tool_id	string			
3.name	string			
4.description	string			
5.id	string			
6.is_shared	boolean			
7.shared_from_experimen	string			

t		
8.user	string	
9.tasks	array	
10.created_at	string(date-time)	
11.updated_at	string(date-time)	
Example		
Request parameters		
return value	<pre>{ "updated_at": "2020/01/01 00:00:00", "shared_from_experiment": "string", "is_shared": true, "name": "string", "description": "string", "created_at": "2020/01/01 00:00:00", "id": "string", "trial_tool_id": "string", "is_trial": true, "user": "string", "tasks": [{}] }</pre>	

8)Experiment Sharing

Experiment Sharing	
Interface name	Experiment Sharing
Interface description	Experiment Sharing :param expt_id: :param to_user: :param current_user: :return:
URL	/api/experiments/share/{expt_id}
Request method	post
Request type	
Return type	application/json

parameter name	type of data	Parameter Type	Is it required?	illustrate
1.expt_id	string	path	Y	
2.to_user	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
1.is_trial	boolean			
2.trial_tool_id	string			
3.name	string			
4.description	string			
5.id	string			
6.is_shared	boolean			
7.shared_from_experiment	string			
8.user	string			
9.tasks	array			
10.created_at	string(date-time)			
11.updated_at	string(date-time)			

Example	
Request parameters	to_user=string
return value	{ "updated_at": "2020/01/01 00:00:00", "shared_from_experiment": "string", "is_shared": true, "name": "string", "description": "string", "created_at": "2020/01/01 00:00:00", "id": "string", "trial_tool_id": "string", "is_trial": true, "user": "string", "tasks": [{}] }

function_deploy

1) Operator compression package(zipFormat)Upload

Operator compression package(zipFormat)Upload				
Interface name	Operator compression package(zipFormat)Upload			
Interface description	Upload contains the compressed package of the operator (Format requires zip)			
URL	/api/deploy/function/upload			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

2) Deploy Function

Deploy Function				
Interface name	Deploy Function			
Interface description	none			
URL	/api/deploy/deploy/{component_id}			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	path	Y	
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

3) Fair Market Components List

Fair Market Components List				
Interface name	Fair Market Components List			
Interface description	none			
URL	/api/deploy/market/install			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.component_id	string	query	Y	
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	component_id=string	
return value		

4) Get Component Install Task List

GetComponentInstallTaskList	
Interface name	GetComponentInstallTaskList
Interface description	Components installation Lists </br> :param skip: Paging parameters </br> :param limit: Paging parameters</br> :param name: According toName retrieval</br> :param state: According to state retrieval PULL Pulling ,BUILD is being built, DEPLOY is being installed, SUCCESS is completed, FAILED failure</br> :param source_type: Retrieve according to source Types, NATIVE free the through ComponentsUpload, MARKET obtain the through the market </br> :param current_user: :return:
URL	/api/deploy/install/task
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
3.name	string	query	N	
4.state	string	query	N	
5.source_type	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0&name=string&state=string&source_type=string			
return value				

5)Create Component Install Task

Create Component Install Task	
Interface name	Create Component Install Task
Interface des	none

cription				
URL	/api/deploy/install/task			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

6) Fair Market Components List

Fair Market Components List	
Interface name	Fair Market Components List
Interface description	Access the Fast man market
URL	/api/deploy/market/components

Request met hod	get			
Request type				
Return type	application/json			
parameter na me	type of data	Parame ter Type	Is it re quired?	illustrate
1.component _id	string	query	N	
2.component _name	string	query	N	
3.author	string	query	N	
4.category	string	query	N	
5.order_by	string	query	N	
6.page	integer	query	N	
7.limit	integer	query	N	
8.suffix	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	component_id=string&component_name=string&author=string&category=string&order_by=string&page=0&limit=0&suffix=string			

return value	
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7)Fair Market Component Tree

Fair Market Component Tree				
Interface name	Fair Market Component Tree			
Interface description	category			
URL	/api/deploy/market/components/tree			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

images

1) All Images

All Images				
Interface name	All Images			
Interface description	none			
URL	/api/images/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
1.id	string			
2.image_id	string			
3.image_short_id	string			
4.source_id	string			
5.source_name	string			

6. tags	string	
7.image_size	integer	
8.from_user	string	
9.created_at	string	
Example		
Request parameters		
return value	{"image_size":0,"created_at":"string","id":"string","image_short_id":"string","source_id":"string","image_id":"string","source_name" : "string", "tags":"string","from_user":"string"}	

2)Delete Image

Delete Image				
Interface name	Delete Image			
Interface description	none			
URL	/api/images/delete			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.image_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	image_id=string			
return value				

index

1) List of analysis tools

List of analysis tools	
Interface name	List of analysis tools
Interface description	List of analysis tools (Front desk) :param background_tasks: :param name: :param category: :param page: :param size: :return:
URL	/api/index/skeletons/
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.category	string	query	N	
3.page	integer	query	N	
4. size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string&category=string&page=0&size=0			
return value				

2)Analysis Tool Details

Analysis Tool Details	
Interface name	Analysis Tool Details
Interface description	:param skeleton_id: :param user_id: :return:
URL	/api/index/skeletons/detail

Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	query	Y	
2.user_id	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skeleton_id=string&user_id=string			
return value				

3)Analysis tool category statistics

Analysis tool category statistics	
Interface name	Analysis tool category statistics
Interface description	List of analysis tools (Front desk) :return:

URL	/api/index/skeletons/aggs			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	name=string			
return value				

personal center fair data

1)Instdb Link

Instdb Link

Interface name	Instdb Link			
Interface description	none			
URL	/api/fair/instdb			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.url	string	query	Y	
2.secret_key	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	url=string&secret_key=string			
return value				

personal center message

1) Msg V2

Msg V2				
Interface name	Msg V2			
Interface description	Allocate the existing theComputing resources to a certain user</br> :param user: Specify the user id to obtain the resource</br> :param base_id: Computing resourcesid</br> :param allocated_use_time: Authorized use time unit for seconds</br> br> :return:			
URL	/api/msg/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.title	string	query	N	
2.page	integer	query	N	
3.limit	integer	query	N	
4.operation	boolean	query	N	
5.operation_type	boolean	query	N	
6.unread	boolean	query	N	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	title=string&page=0&limit=0&operation=true&operation_type=true&unread=true	
return value		

2)Submit Msg

Submit Msg				
Interface name	Submit Msg			
Interface description	none			
URL	/api/msg/			
Request method	put			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.msg_id	string	query	Y	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	msg_id=string	
return value		

personal_audit_center

1) Enumerate Audit Desc

Enumerate Audit Desc				
Interface name	Enumerate Audit Desc			
Interface description	Enumeration audit Types </br>			
URL	/api/audit_center/audit/enumerate			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Typ	Is it required?	illustrate

		e		
status code	describe		illustrate	
200	Successful Res ponse			
Return attrib ute name	type		illustrate	
Example				
Request par ameters				
return value				

2) Audit Info

Audit Info				
Interface name	Audit Info			
Interface description	The current user audit information retrieval :param query_sets: Information retrieval :param skip: :param limit: :param current_user: :return:			
URL	/api/audit_center/audit/info			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.skip	integer	query	N	
2.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	skip=0&limit=0			
return value				

3)Audit Counts

Audit Counts	
Interface name	Audit Counts
Interface description	Audit information Classification statistics [{ "audit_type" : "Components", "total": 1}] :param audit_type: Audit Types filtering :param current_user: Only query The current userthe : return:
URL	/api/audit_center/audit/counts
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.audit_type	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	audit_type=string			
return value				

4) Get Msg

Get Msg	
Interface name	Get Msg
Interface description	none
URL	/api/audit_center/msg
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&limit=0			
return value				

5) Read Msg

Read Msg	
Interface name	Read Msg
Interface description	none
URL	/api/audit_center/read/{msg_id}
Request method	get

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.msg_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

personal_data_center

1) My Data List

My Data List	
Interface name	My Data List
Interface description	none

URL	/api/data_center/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
3.name	string	query	N	
4.dataset_id	string	query	N	
5.data_path	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0&name=string&dataset_id=string&data_path=string			
return value				

2) Delete/Batch sizeDelete data

Delete/Batch sizeDelete data				
Interface name	Delete/Batch sizeDelete data			
Interface description	none			
URL	/api/data_center/			
Request method	delete			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3) I share the data retrieval

I share the data retrieval

Interface name	I share the data retrieval			
Interface description	none			
URL	/api/data_center/share			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
3.user_name	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0&user_name=string			
return value				

4) Share my data with other users

Share my data with other users				
Interface name	Share my data with other users			
Interface description	none			
URL	/api/data_center/share			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.datasets_id	string	query	Y	
2.share_user_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	datasets_id=string&share_user_id=string			
return value				

5) Unshare

Unshare				
Interface name	Unshare			
Interface description	none			
URL	/api/data_center/share			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.datasets_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	datasets_id=string			
return value				

6) Data retrieval from sharing the

Data retrieval from sharing the				
Interface name	Data retrieval from sharing the			
Interface description	none			
URL	/api/data_center/from_share			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skip	integer	query	N	
2.limit	integer	query	N	
3.user_name	string	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	skip=0&limit=0&user_name=string			
return value				

7)Access to open data

Access to open data				
Interface name	Access to open data			
Interface description	none			
URL	/api/data_center/public			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.page	integer	query	N	
3.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	name=string&page=0&limit=0
return value	

8) Access to open the data file under the data set

Access to open the data file under the data set				
Interface name	Access to open the data file under the data set			
Interface description	none			
URL	/api/data_center/public/data			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.name	string	query	N	
3.file_extension	string	query	N	
4.page	integer	query	N	
5.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Res			

	ponse	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	dataset_id=string&name=string&file_extension=string&page=0&limit=0	
return value		

9) Get All Datasets

Get All Datasets				
Interface name	Get All Datasets			
Interface description	none			
URL	/api/data_center/datasets			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

10) Get the data file under the dataset

Get the data file under the dataset				
Interface name	Get the data file under the dataset			
Interface description	none			
URL	/api/data_center/datasets/{datasets_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.dataset_id	string	query	Y	
2.name	string	query	N	
3.file_extension	string	query	N	
4.page	integer	query	N	

5.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	dataset_id=string&name=string&file_extensi on=string&page=0&limit=0			
return value				

11) Upload Big File

Upload Big File				
Interface name	Upload Big File			
Interface description	none			
URL	/api/data_center/upload/file			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

12)Merge File

Merge File				
Interface name	Merge File			
Interface description	none			
URL	/api/data_center/upload/merge_file			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	

200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

personal_resource

1)Personal Center-Computing resourcesLists

Personal Center-Computing resourcesLists				
Interface name	Personal Center-Computing resourcesLists			
Interface description	none			
URL	/api/resource/computing			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate

1.page	integer	query	N	
2.limit	integer	query	N	
3.resource_type	string	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&limit=0&resource_type=string			
return value				

2) Personal Center-Computing resource request

Personal Center-Computing resource request	
Interface name	Personal Center-Computing resource request
Interface description	Allocate the existing theComputing resources to a user :param content: Application Information :param resource_id: Computing resourcesid :param allocated_use_time: Application time unit for seconds :return:
URL	/api/resource/apply/computing
Request method	post

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.resource_id	string	query	Y	
2.allocated_use_time	integer	query	Y	
3.content	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	resource_id=string&allocated_use_time=0&content=string			
return value				

3)Personal Center-Storage resource request

Personal Center-Storage resource request	
Interface name	Personal Center-Storage resource request
Interface description	Allocate the existing theComputing resources to a user</br> :param content: Application Information</br> :param allocated_us

	e: Apply for storage usage unit forBytes</br> :return:			
URL	/api/resource/apply/storage			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.allocated_use	integer	query	Y	
2.content	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	allocated_use=0&content=string			
return value				

4)Personal CenterQuota flow details

Personal CenterQuota flow details

Interface name	Personal CenterQuota flow details			
Interface description	none			
URL	/api/resource/statement			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.statement_id	string	query	N	
2.begin_time	string	query	N	
3.end_time	string	query	N	
4.order_by	string	query	N	
5.page	integer	query	N	
6.limit	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				

Request parameters	statement_id=string&begin_time=string&end_time=string&order_by=string&page=0&limit=0
return value	

5) My balance

My balance				
Interface name	My balance			
Interface description	none			
URL	/api/resource/balance			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

6) My data

i the data				
Interface name	i the data			
Interface description	none			
URL	/api/resource/data			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

7) Recent use of the Analysis/Experiment

Recently used theAnalysis/Experiment

Interface name	Recently used theAnalysis/Experiment			
Interface description	none			
URL	/api/resource/recently			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

8) Recent Achievements

Recent Achievements	
Interface name	Recent Achievements
Interface description	Recent outputs of the <file/Objects> :return: {"data": [{"id": "", "type": "file/object", "format", "name": "Name "}]}

URL	/api/resource/recently_data			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

9) Overview Statistics <the analysis history, the Experiment, the interactive programming project>

Overview Statistics<My Analysis History, My Experiment, My Interactive Programming Project>	
Interface name	Overview Statistics<My Analysis History, My Experiment, My Interactive Programming Project>
Interface description	Overview Statistics<my analysis history, my theExperiment, my the interactive programming project> :return:{"experiments

	_count": "Experiment number", "analysis_count": "Number of analyses", "project_count": "Number of online programming projects"}			
URL	/api/resource/overview			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

10) I submit theComponents

I submit theComponents	
Interface name	I submit theComponents
Interface description	Overview of the Personal Center homepage, <I submit theComponents> :return:{"data": {"draft": "the number of drafts", "under_review": "the number under review", "

	audited": "for review the quantity"}}			
URL	/api/resource/tools			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

11) I release the tool

I publish the tool	
Interface name	I publish the tool
Interface description	Overview of the Personal Center homepage, <I publish the tool> :return:{"data": {"draft": "The number of drafts", "under_review": "The number of under review", "audited": "With Review the quantity"]}]}

URL	/api/resource/skeleton			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

12) Use quota to redeem storage

Use quota to redeem storage	
Interface name	Use quota to redeem storage
Interface description	none
URL	/api/resource/exchange/storage
Request method	post

Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.storage_size	number	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	storage_size=0.0			
return value				

roles

1) RoleLists

RoleLists	
Interface name	RoleLists
Interface description	none

URL	/api/roles/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
1.id	string			
2.name	string			
3.is_innate	boolean			
4.is_default_role	boolean			
Example				
Request parameters				
return value	{"name":"string","is_innate":true,"id":"string","is_default_role":true}			

serialize functions

1) Component Start

Component Start				
Interface name	Component Start			
Interface description	none			
URL	/api/serialize/test/{function_name}			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.function_name	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2)Create Notebook

Create Notebook				
Interface name	Create Notebook			
Interface description	none			
URL	/api/serialize/notebook			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.app_id	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	app_id=string			
return value				

skeletons

1) List of analysis tools

List of analysis tools				
Interface name	List of analysis tools			
Interface description	:param background_tasks: :param name: :param user_name: :param state: :param is_online: :param page: :param size: :param current_user: :return:			
URL	/api/skeletons/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.name	string	query	N	
2.user_name	string	query	N	
3.state	string	query	N	
4.is_online	boolean	query	N	
5.page	integer	query	N	
6. size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			

422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	name=string&user_name=string&state=string&is_online=true&page=0&size=0	
return value		

2) Analysis tool creation

Analysis tool creation				
Interface name	Analysis tool creation			
Interface description	:param skeletonCreateSchema: :param current_user: :return: ref: `SkeletonSchema`			
URL	/api/skeletons/			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: Skeleton2CreateSchema	body	Y	
1.1.skeleton_renewed	string		N	

1.2.experiment	string		Y	
1.3.experiment_tasks	array		Y	
1.4.experiment_tasks_data_sets	array		Y	
1.5.name	string		N	
1.6.description	string		N	
1.7.introduction	string		N	
1.8.dag	array		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"skeleton_renewed":"string","experiment":"string","experiment_tasks":[{}],"experiment_tasks_datasets":[{}],"name":"string","description": "string","introduction":"string","dag":[{}]}'			
return value				

3)Analysis Tool Details

Analysis Tool Details

Interface name	Analysis Tool Details			
Interface description	:param skeleton_id: :param current_user: :return:			
URL	/api/skeletons/{skeleton_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4) Analysis tool removal

Analysis tool removal

Interface name	Analysis tool removal			
Interface description	- Delete Skeleton -Tool Publisher, you can delete the tool in the situation: - Judgment state, it belongs to the following situations, you can delete it - Not reviewed: UNAPPROVED - Failed to pass the audit: DISAPPROVED (Once approved, regardless of Go online/Go offline, Delete and update or other operations are not allowed) - Administrator, you can delete the tool. The situation: - Judgment is_online - True: You cannot delete - False: You can delete :param skeleton_id: :param current_user: :return:			
URL	/api/skeletons/{skeleton_id}			
Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	
return value	

5)Analysis tool input item optional data

Analysis tool input item optional data				
Interface name	Analysis tool input item optional data			
Interface description	:param skeleton_id: :param input_id: :param q: :param page: :param size: :param current_user: :return:			
URL	/api/skeletons/optional_inputs/{skeleton_id}/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
2.input_id	string	query	Y	
3.q	string	query	N	
4.page	integer	query	N	
5.size	integer	query	N	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters	input_id=string&q=string&page=0&size=0	
return value		

6) Analysis tool updates-Description information

Analysis tool updates-Description information				
Interface name	Analysis tool updates-Description information			
Interface description	:param skeleton_id: :param update_form: :param current_user: :return:			
URL	/api/skeletons/intro/{skeleton_id}			
Request method	put			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	

status code	describe	illustrate
200	Successful Response	
422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

7)Analysis tool updates-Configuration items

Analysis tool updates-Configuration items				
Interface name	Analysis tool updates-Configuration items			
Interface description	:param skeleton_id: :param skeleton_update: :param current_user: :return:			
URL	/api/skeletons/config/{skeleton_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	

2.body	object: Skeleto n2Upd ateSch ema	body	Y	
2.1.dag	array		N	
2.2.inputs	array		N	
2.3.outputs	array		N	
2.4.inputs_co nfig	object		N	
2.5.outputs_c onfig	object		N	
status code	describe		illustrate	
200	Successful Res ponse			
422	Validation Error			
Return attrib ute name	type		illustrate	
Example				
Request par ameters	-d '{"dag":[{}],"inputs":[{}],"outputs":[{}],"input s_config":{},"outputs_config":{}}'			
return value				

8) The analysis tool was submitted for review

The analysis tool was submitted for review	
Interface na me	The analysis tool was submitted for review

Interface description	Tools the creator, Submit analysis tools for review :param skeleton_id: :param current_user: :return:			
URL	/api/skeletons/audit/{skeleton_id}			
Request method	post			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.skeleton_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

tasks

1) ExperimentComponents task lists

ExperimentComponentsTask Lists				
Interface name	ExperimentComponentsTask Lists			
Interface description	none			
URL	/api/tasks/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.page	integer	query	N	
2. size	integer	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	page=0&size=0			
return value				

2)Experiment component task creation

Experiment component task creation				
Interface name	Experiment component task creation			
Interface description	none			
URL	/api/tasks/			
Request method	post			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.body	object: ToolTaskCreateSchema	body	Y	
1.1.experiment_id	string		Y	
1.2.name	string		N	
1.3.description	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

1.experiment_id	string	
2.tool_task_id	string	
Example		
Request parameters	-d '{"experiment_id":"string","name":"string","description":"string"}'	
return value	{"tool_task_id":"string","experiment_id":"string"}	

3)Experimental component task details

Experimental component task details				
Interface name	Experimental component task details			
Interface description	none			
URL	/api/tasks/{task_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			

422	Validation Error	
Return attribute name	type	illustrate
Example		
Request parameters		
return value		

4)Experimental component task modification

Experimental component task modification				
Interface name	Experimental component task modification			
Interface description	none			
URL	/api/tasks/{task_id}			
Request method	put			
Request type	application/json			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
2.body	object: ToolTaskUpdateSchema	body	Y	

2.1.name	string		N	
2.2.description	string		N	
2.3.tool_id	string		N	
2.4.inputs	array		N	
2.5.outputs	array		N	
2.6.status	string		N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	-d '{"name":"string","description":"string","tool_id":"string","inputs":[{}],"outputs":[{}],"status":"string"}'			
return value				

5) ExperimentComponents task Delete

ExperimentComponentsTaskDelete	
Interface name	ExperimentComponentsTaskDelete
Interface description	none
URL	/api/tasks/{task_id}

Request method	delete			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.task_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

tools

1) ComponentsLists

ComponentsLists	
Interface name	ComponentsLists

Interface description	none			
URL	/api/tools/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.state	object	query	N	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters	state={}			
return value				

2) Component Details

Component Details	
Interface name	Component Details

Interface description	none			
URL	/api/tools/{tool_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.tool_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

toolsource

1) Operator compression package(zipFormat)Upload

Operator compression package(zipFormat)Upload				
Interface name	Operator compression package(zipFormat) Upload			
Interface description	Upload contains the compressed package of the operator (Format requires zip)			
URL	/api/toolsource/zipfiles/upload			
Request method	post			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

ui

1) Platform Configuration Details

Platform Configuration Details				
Interface name	Platform Configuration Details			
Interface description	none			
URL	/api/ui/platform			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

2) Home Configuration Details

Home Configuration Details	
Interface name	Home Configuration Details

Interface description	none			
URL	/api/ui/indexui			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

3)Experiment page configuration details

Experiment page configuration details	
Interface name	Experiment page configuration details
Interface description	none
URL	/api/ui/experimentui

Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

4) Profiling tool page configuration details

Profiling tool page configuration details	
Interface name	Profiling tool page configuration details
Interface description	none
URL	/api/ui/skeletonui
Request method	get
Request type	

Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
Return attribute name	type		illustrate	
Example				
Request parameters				
return value				

umt

1)Tech Cloud authentication callback

Tech Cloud authentication callback	
Interface name	Tech Cloud authentication callback
Interface description	This interface for umt configures the callback address when applying for access to the application, named redirect_URI, Used of accepting. authorization code. Get hold of authorization code after, in the application platform According to the following URI To get a pass Access_Token: - https:// passport.escience.cn/oauth2/token - Sub

	<p>mission method: POST Content-Type: application/x-www-form-urlencoded - The submission parameters are: client_id: YOUR_CLIENT_ID //Client side ID client_secret: YOUR_CLIENT_SECRET grant_type:authorization_code //Fixed value redirect_uri: YOUR_REGISTERED_REDIRECT_URI //The callback address in the application form code:code</p> <p>//In the second step, it is transmitted back code the value. Note that for security reasons, code can only be used once. Use it in the same login should be avoided The same code Visit this link several times - complete the authentication and get the authentication return value. Return Parameter values example for: { "access_token": "SIKV32hkKG", "expires_in": 3600, "refresh_token": "ASAEDFIkie876", "userInfo": { "umtld": 12, "truename": " yourName", "type": " umtauth", "securityEmail": " securityEmail", "cstnetldStatus": " cstnetldStatus", "cstnetld": " yourEmail", "passwordType": "password_umt", "secondaryEmails":["youremail1", "youremail2"] } //note, for is convenient for display here, userInfo value is displayed for json Structure, and the actual return value is for json String (By double quotes""Carry out the parcel) Types, Need to be converted to json Objectsafter use. } Parameter Description: ✓umtld: correspondence umt inside the id No. ✓truename: User's real name ✓type: Scope of account umt,coremail,uc ✓securityEmail: Confidential email address ✓cstnetldStatus: Master account activation st</p>
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	<p>atus, namely mailbox verification status, Optional values: active-Activated, temp-not activated. The application can According to this status Judgment whether the user is allowed to log in. ✓passwordType: Login the password Types ✓cstnetId: User's primary email address SecondaryEmails: Auxiliary Mailbox Mailbox, setting the secondary email address is not available for the time being. The api When requesting access token endpoint: https://passport.escience.cn/oauth2/token An error occurred while, Add to the return parameter error=errorcodestatus FIXME: In the document YOUR_REGISTERED_REDIRECT_URI/?code=CODE with "/", but the note seems to be unavailable with slashes? :param code: authorization code :return:</p>			
URL	/api/umt/callback/			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.code	string	query	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters	code=string	
return value		

2) User creation

User creation				
Interface name	User creation			
Interface description	Create new user.			
URL	/api/umt/			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			
Return attribute name	type		illustrate	

Example	
Request parameters	
return value	

users

1) User creation

User creation				
Interface name	User creation			
Interface description	Create new user.			
URL	/api/users/			
Request method	post			
Request type	application/x-www-form-urlencoded			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

2) User details (Personal Center)

User details (Personal Center)				
Interface name	User details (Personal Center)			
Interface description	Retrieve user			
URL	/api/users/{user_id}			
Request method	get			
Request type				
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		

3) User updates (Personal Center)

User updates (Personal Center)				
Interface name	User updates (Personal Center)			
Interface description	Logged in user, change your information (name, password, avatar, etc.)			
URL	/api/users/{user_id}			
Request method	put			
Request type	multipart/form-data			
Return type	application/json			
parameter name	type of data	Parameter Type	Is it required?	illustrate
1.user_id	string	path	Y	
status code	describe		illustrate	
200	Successful Response			
422	Validation Error			

Return attribute name	type	illustrate
Example		
Request parameters		
return value		