

API Reference

NVIDIA Transfer Learning API

API Version: 5.3.0

NVIDIA Transfer Learning API document

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SECURITY SCHEMES

KEY	TYPE	DESCRIPTION
api-key	apiKey	
bearer-token	http, bearer, JWT	RFC8725 Compliant JWT

API

1. AUTHENTICATION

Endpoints related to User Authentication

1.1 POST /api/v1/login

User Login

Returns the user credentials

REQUEST

REQUEST BODY - application/json

```
{
  ngc_api_key string max:1000 chars
}
```

RESPONSE

STATUS CODE - 201: Returned the new Dataset

RESPONSE MODEL - application/json

```
{
  token string max:9223372036854776000 chars
  user_id string max:36 chars
}
```

STATUS CODE - 401: Unauthorized

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

2. DATASET

Endpoints related to Datasets

2.1 GET /api/v1/orgs/{org_name}/datasets

List Datasets

Returns the list of Datasets

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
skip	int32 between 0 and 2147483647	Optional skip for pagination
size	int32 between 0 and 2147483647	Optional size for pagination
sort	enum ALLOWED: date-descending, date-ascending, name-descending, name-ascending	Optional sort
name	string max:5000 chars PATTERN: .*	Optional name filter
format	enum ALLOWED: monai, unet, custom	Optional format filter
type	enum ALLOWED: object_detection, semantic_segmentation, image_classification	Optional type filter

RESPONSE

STATUS CODE - 200: Returned list of Datasets

RESPONSE MODEL - application/json

```
[{
```

Array of object:

actions	[enum]	ALLOWED: dataset_convert, convert, convert_efficientdet_tf2, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, batchinfer, augment, annotation_format_convert, analyze, validate, generate, calibration_tensorfile, annotation, nextimage, cacheimage, notify, auto3dseg
client_id	string	WRITE-ONLY max:2048 chars
client_secret	string	WRITE-ONLY max:2048 chars
client_url	string	max:2048 chars

```

cloud_details {
  cloud_file_type      enum      ALLOWED:file, folder
  cloud_specific_details undefined
  cloud_type           enum      ALLOWED:aws, azure, gcp, huggingface,
                                self_hosted
}
created_on            string      max:26 chars
description            string      max:1000 chars
docker_env_vars {
}
filters               string      WRITE-ONLY
                                max:2048 chars
format                enum        ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,
                                lprnet, train, test, default, custom,
                                classification_pyt, classification_tf2,
                                visual_changenet_segment, visual_changenet_classify,
                                monai
id                     string      max:36 chars
jobs [{
  Array of object:
    action             enum        ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec,
                                inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate,
                                generate, calibration_tensorfile, annotation,
                                nextimage, cacheimage, notify, auto3dseg
    created_on          string      max:26 chars
    dataset_id          string      max:36 chars
    description          string      max:1000 chars
    id                  string      max:36 chars
    job_tar_stats {
      file_size          integer    between 0 and 9223372036854776000
      sha256_digest      string      max:64 chars
    }
    last_modified        string      max:26 chars
    name                 string      max:500 chars
    num_gpu              integer     between 0 and 9223372036854776000
    parent_id            string      max:36 chars
    platform             enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string max:500 chars
              value  number
            }]
          metric string max:100 chars
        }]
    }
    cur_iter            integer      between 0 and 9223372036854776000
    detailed_status {

```

```

    date      string  max:26 chars
    message   string  max:6400 chars
    status     string  max:100 chars
    time       string  max:26 chars
  }
  epoch          integer  between -1 and  9223372036854776000
  eta            string    max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string  max:100 chars
      units  string  max:100 chars
      values {
      }
      x_max integer  between -9223372036854776000 and  9223372036854776000
      x_min integer  between -9223372036854776000 and  9223372036854776000
      y_max number
      y_min number
    }]
  key_metric      number
  kpi [{
    Array of object:
      metric string  max:100 chars
      values {
      }
    }]
  max_epoch      integer  between 0 and  9223372036854776000
  message         string    max:9223372036854776000 chars
  stats [{
    Array of object:
      metric string  max:100 chars
      value  string  max:9223372036854776000 chars
    }]
  time_per_epoch  string    max:9223372036854776000 chars
  time_per_iter   string    max:9223372036854776000 chars
}
specs            undefined
status           enum      ALLOWED:Done, Running, Error, Pending, Canceled
}]
last_modified    string    max:26 chars
logo             string    max:2048 chars
name            string    max:500 chars
status          enum      ALLOWED:starting, in_progress, pull_complete,
                          invalid_pull
type            enum      ALLOWED:object_detection, semantic_segmentation,
                          image_classification, instance_segmentation,
                          character_recognition, action_recognition,
                          pointpillars, pose_classification, ml_recog, ocdnet,
                          ocrnet, optical_inspection, re_identification,
                          visual_changenet, centerpose, not_restricted,
                          user_custom
user_id         string    WRITE-ONLY
                          max:36 chars
version         string    max:10 chars
}]

```

2.2 POST /api/v1/orgs/{org_name}/datasets

Create new Dataset

Returns the new Dataset

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name

REQUEST BODY - application/json

```
{
  client_id      string  max:2048 chars
  client_secret  string  max:2048 chars
  client_url     string  max:2048 chars
  cloud_details {
    cloud_file_type      enum      ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type           enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
  }
  description     string  max:1000 chars
  docker_env_vars {
  }
  filters         string  max:2048 chars
  format          enum    ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco, lprnet,
                           train, test, default, custom, classification_pyt,
                           classification_tf2, visual_changenet_segment,
                           visual_changenet_classify, monai
  logo            string  max:2048 chars
  name            string  max:500 chars
  status          enum    ALLOWED:starting, in_progress, pull_complete, invalid_pull
  type            enum    ALLOWED:object_detection, semantic_segmentation,
                           image_classification, instance_segmentation,
                           character_recognition, action_recognition, pointpillars,
                           pose_classification, ml_recog, ocdnet, ocrnet,
                           optical_inspection, re_identification, visual_changenet,
                           centerpose, not_restricted, user_custom
  user_id         string  max:36 chars
  version         string  max:10 chars
}
```

RESPONSE

STATUS CODE - 201: Returned the new Dataset

RESPONSE MODEL - application/json

```
{
  actions        [enum]    ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                           train, evaluate, prune, retrain, export, gen_trt_engine,
                           trtexec, inference, batchinfer, augment,
                           annotation_format_convert, analyze, validate, generate,
                           calibration_tensorfile, annotation, nextimage, cacheimage,
                           notify, auto3dseg
  client_id       string    WRITE-ONLY
                           max:2048 chars
  client_secret   string    WRITE-ONLY
```

```

client_url      string      max:2048 chars
cloud_details {
  cloud_file_type  enum      ALLOWED:file, folder
  cloud_specific_details undefined
  cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
created_on      string      max:26 chars
description      string      max:1000 chars
docker_env_vars {
}
filters         string      WRITE-ONLY
                                     max:2048 chars
format          enum        ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,
                                     lprnet, train, test, default, custom, classification_pyt,
                                     classification_tf2, visual_changenet_segment,
                                     visual_changenet_classify, monai
id              string      max:36 chars
jobs [{
  Array of object:
    action        enum        ALLOWED:dataset_convert, convert,
                                     convert_efficientdet_tf2, train, evaluate, prune,
                                     retrain, export, gen_trt_engine, trtexec, inference,
                                     batchinfer, augment, annotation_format_convert, analyze,
                                     validate, generate, calibration_tensorfile, annotation,
                                     nextimage, cacheimage, notify, auto3dseg
    created_on     string      max:26 chars
    dataset_id     string      max:36 chars
    description     string      max:1000 chars
    id             string      max:36 chars
    job_tar_stats {
      file_size    integer     between 0 and 9223372036854776000
      sha256_digest string      max:64 chars
    }
    last_modified  string      max:26 chars
    name           string      max:500 chars
    num_gpu        integer     between 0 and 9223372036854776000
    parent_id      string      max:36 chars
    platform       enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string max:500 chars
              value    number
            }]
          metric string max:100 chars
        }]
    }
    cur_iter        integer     between 0 and 9223372036854776000
    detailed_status {
      date          string      max:26 chars

```

```

    message string max:6400 chars
    status  string max:100 chars
    time    string max:26 chars
  }
  epoch            integer      between -1 and 9223372036854776000
  eta              string        max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units  string max:100 chars
      values {
      }
      x_max integer between -9223372036854776000 and 9223372036854776000
      x_min integer between -9223372036854776000 and 9223372036854776000
      y_max number
      y_min number
    }]
  key_metric        number
  kpi [{
    Array of object:
      metric string max:100 chars
      values {
      }
    }]
  max_epoch          integer      between 0 and 9223372036854776000
  message            string        max:9223372036854776000 chars
  stats [{
    Array of object:
      metric string max:100 chars
      value  string max:9223372036854776000 chars
    }]
  time_per_epoch     string        max:9223372036854776000 chars
  time_per_iter       string        max:9223372036854776000 chars
}
specs                undefined
status               enum          ALLOWED:Done, Running, Error, Pending, Canceled
}]
last_modified        string        max:26 chars
logo                 string        max:2048 chars
name                 string        max:500 chars
status               enum          ALLOWED:starting, in_progress, pull_complete, invalid_pull
type                 enum          ALLOWED:object_detection, semantic_segmentation,
                                  image_classification, instance_segmentation,
                                  character_recognition, action_recognition, pointpillars,
                                  pose_classification, ml_recog, ocdnet, ocrnet,
                                  optical_inspection, re_identification, visual_changenet,
                                  centerpose, not_restricted, user_custom
user_id              string        WRITE-ONLY
                                  max:36 chars
version              string        max:10 chars
}

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

}

2.3 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}

Retrieve Dataset

Returns the Dataset

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset to return

RESPONSE

STATUS CODE - 200: Returned Dataset

RESPONSE MODEL - application/json

```
{
  actions          [enum]    ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  client_id        string     WRITE-ONLY
                                max:2048 chars
  client_secret    string     WRITE-ONLY
                                max:2048 chars
  client_url       string     max:2048 chars
  cloud_details {
    cloud_file_type  enum      ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
  }
  created_on       string     max:26 chars
  description       string     max:1000 chars
  docker_env_vars {
  }
  filters          string     WRITE-ONLY
                                max:2048 chars
  format           enum      ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,
                                lprnet, train, test, default, custom, classification_pyt,
                                classification_tf2, visual_changenet_segment,
                                visual_changenet_classify, monai
  id               string     max:36 chars
  jobs [{
    Array of object:
      action        enum      ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
```

```

batchinfer, augment, annotation_format_convert, analyze,
validate, generate, calibration_tensorfile, annotation,
nextimage, cacheimage, notify, auto3dseg
created_on      string      max:26 chars
dataset_id      string      max:36 chars
description     string      max:1000 chars
id              string      max:36 chars
job_tar_stats {
  file_size     integer     between 0 and 9223372036854776000
  sha256_digest string      max:64 chars
}
last_modified   string      max:26 chars
name            string      max:500 chars
num_gpu         integer     between 0 and 9223372036854776000
parent_id       string      max:36 chars
platform        enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
      metric string max:100 chars
      value  number
    }]
  categorical [{
    Array of object:
      category_wise_values [{
        Array of object:
          category string max:500 chars
          value    number
        }]
      metric string max:100 chars
    }]
  cur_iter          integer     between 0 and 9223372036854776000
  detailed_status {
    date      string max:26 chars
    message   string max:6400 chars
    status    string max:100 chars
    time      string max:26 chars
  }
  epoch          integer     between -1 and 9223372036854776000
  eta            string      max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units  string max:100 chars
      values {
      }
      x_max integer between -9223372036854776000 and 9223372036854776000
      x_min integer between -9223372036854776000 and 9223372036854776000
      y_max number
      y_min number
    }]
  key_metric      number
  kpi [{
    Array of object:
      metric string max:100 chars
      values {
      }
    }]
  }

```

```

    }}
    max_epoch      integer      between 0 and 9223372036854776000
    message        string       max:9223372036854776000 chars
    stats [{
      Array of object:
        metric      string       max:100 chars
        value       string       max:9223372036854776000 chars
    }]
    time_per_epoch  string       max:9223372036854776000 chars
    time_per_iter   string       max:9223372036854776000 chars
  }
  specs            undefined
  status           enum         ALLOWED:Done, Running, Error, Pending, Canceled
}]
last_modified     string       max:26 chars
logo              string       max:2048 chars
name              string       max:500 chars
status            enum         ALLOWED:starting, in_progress, pull_complete, invalid_pull
type              enum         ALLOWED:object_detection, semantic_segmentation,
                                image_classification, instance_segmentation,
                                character_recognition, action_recognition, pointpillars,
                                pose_classification, ml_recog, ocdnet, ocrnet,
                                optical_inspection, re_identification, visual_changenet,
                                centerpose, not_restricted, user_custom

  user_id          string       WRITE-ONLY
                                max:36 chars
  version          string       max:10 chars
}

```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.4 PUT /api/v1/orgs/{org_name}/datasets/{dataset_id}

Update Dataset

Returns the updated Dataset

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset to update

REQUEST BODY - application/json

```

{
  client_id      string       max:2048 chars
}

```

```

client_secret  string  max:2048 chars
client_url    string  max:2048 chars
cloud_details {
  cloud_file_type  enum      ALLOWED:file, folder
  cloud_specific_details undefined
  cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
description    string  max:1000 chars
docker_env_vars {
}
filters        string  max:2048 chars
format         enum    ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco, lprnet,
                        train, test, default, custom, classification_pyt,
                        classification_tf2, visual_changenet_segment,
                        visual_changenet_classify, monai
logo           string  max:2048 chars
name           string  max:500 chars
status        enum    ALLOWED:starting, in_progress, pull_complete, invalid_pull
type          enum    ALLOWED:object_detection, semantic_segmentation,
                        image_classification, instance_segmentation,
                        character_recognition, action_recognition, pointpillars,
                        pose_classification, ml_recog, ocdnet, ocrnet,
                        optical_inspection, re_identification, visual_changenet,
                        centerpose, not_restricted, user_custom
user_id        string  max:36 chars
version        string  max:10 chars
}

```

RESPONSE

STATUS CODE - 200: Returned the updated Dataset

RESPONSE MODEL - application/json

```

{
  actions      [enum]    ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                        train, evaluate, prune, retrain, export, gen_trt_engine,
                        trtexec, inference, batchinfer, augment,
                        annotation_format_convert, analyze, validate, generate,
                        calibration_tensorfile, annotation, nextimage,
                        cacheimage, notify, auto3dseg
  client_id     string    WRITE-ONLY
                        max:2048 chars
  client_secret string    WRITE-ONLY
                        max:2048 chars
  client_url    string    max:2048 chars
  cloud_details {
    cloud_file_type  enum      ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface,
                                self_hosted
  }
  created_on     string    max:26 chars
  description     string    max:1000 chars
  docker_env_vars {
  }
  filters        string    WRITE-ONLY
                        max:2048 chars
  format         enum      ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,

```

```

lprnet, train, test, default, custom, classification_pyt,
classification_tf2, visual_changenet_segment,
visual_changenet_classify, monai
id                string      max:36 chars
jobs [{
  Array of object:
    action         enum        ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
                                batchinfer, augment, annotation_format_convert,
                                analyze, validate, generate, calibration_tensorfile,
                                annotation, nextimage, cacheimage, notify, auto3dseg
    created_on      string      max:26 chars
    dataset_id      string      max:36 chars
    description     string      max:1000 chars
    id              string      max:36 chars
    job_tar_stats {
      file_size     integer     between 0 and 9223372036854776000
      sha256_digest string      max:64 chars
    }
    last_modified   string      max:26 chars
    name            string      max:500 chars
    num_gpu         integer     between 0 and 9223372036854776000
    parent_id       string      max:36 chars
    platform        enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric     string      max:100 chars
          value       number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string      max:500 chars
              value     number
            }]
          metric     string      max:100 chars
        }]
    }
    cur_iter        integer     between 0 and 9223372036854776000
    detailed_status {
      date          string      max:26 chars
      message       string      max:6400 chars
      status        string      max:100 chars
      time          string      max:26 chars
    }
    epoch           integer     between -1 and 9223372036854776000
    eta             string      max:9223372036854776000 chars
    graphical [{
      Array of object:
        metric       string      max:100 chars
        units        string      max:100 chars
        values {
        }
        x_max        integer     between -9223372036854776000 and 9223372036854776000
        x_min        integer     between -9223372036854776000 and 9223372036854776000

```



```

        y_max    number
        y_min    number
    ]]
    key_metric    number
    kpi [{
    Array of object:
        metric string max:100 chars
        values {
        }
    }]
    max_epoch    integer    between 0 and 9223372036854776000
    message      string     max:9223372036854776000 chars
    stats [{
    Array of object:
        metric string max:100 chars
        value  string max:9223372036854776000 chars
    }]
    time_per_epoch    string    max:9223372036854776000 chars
    time_per_iter     string    max:9223372036854776000 chars
    }
    specs            undefined
    status           enum      ALLOWED:Done, Running, Error, Pending, Canceled
    ]]
    last_modified    string    max:26 chars
    logo             string    max:2048 chars
    name             string    max:500 chars
    status           enum      ALLOWED:starting, in_progress, pull_complete, invalid_pull
    type             enum      ALLOWED:object_detection, semantic_segmentation,
                                image_classification, instance_segmentation,
                                character_recognition, action_recognition, pointpillars,
                                pose_classification, ml_recog, ocdnet, ocrnet,
                                optical_inspection, re_identification, visual_changenet,
                                centerpose, not_restricted, user_custom
    user_id          string    WRITE-ONLY
                                max:36 chars
    version          string    max:10 chars
    }

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```

{
    error_code integer between -9223372036854776000 and 9223372036854776000
    error_desc string max:1000 chars
}

```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```

{
    error_code integer between -9223372036854776000 and 9223372036854776000
    error_desc string max:1000 chars
}

```

2.5 DELETE /api/v1/orgs/{org_name}/datasets/{dataset_id}

Delete Dataset

Cancels all related running jobs and returns the deleted Dataset

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset to delete

RESPONSE

STATUS CODE - 200: Deleted Dataset

RESPONSE MODEL - application/json

```
{
  actions          [enum]    ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  client_id        string    WRITE-ONLY
                                max:2048 chars
  client_secret    string    WRITE-ONLY
                                max:2048 chars
  client_url       string    max:2048 chars
  cloud_details {
    cloud_file_type  enum      ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
  }
  created_on       string    max:26 chars
  description      string    max:1000 chars
  docker_env_vars {
  }
  filters          string    WRITE-ONLY
                                max:2048 chars
  format           enum      ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,
                                lprnet, train, test, default, custom, classification_pyt,
                                classification_tf2, visual_changenet_segment,
                                visual_changenet_classify, monai
  id               string    max:36 chars
  jobs [{
    Array of object:
      action        enum      ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
                                batchinfer, augment, annotation_format_convert, analyze,
                                validate, generate, calibration_tensorfile, annotation,
                                nextimage, cacheimage, notify, auto3dseg
      created_on     string    max:26 chars
      dataset_id     string    max:36 chars
      description    string    max:1000 chars
  }
}
```

```

id            string      max:36 chars
job_tar_stats {
  file_size    integer    between 0 and 9223372036854776000
  sha256_digest string    max:64 chars
}
last_modified string      max:26 chars
name           string      max:500 chars
num_gpu        integer     between 0 and 9223372036854776000
parent_id      string      max:36 chars
platform       enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
    metric string max:100 chars
    value  number
  }]
  categorical [{
    Array of object:
    category_wise_values [{
      Array of object:
      category string max:500 chars
      value    number
    }]
    metric string max:100 chars
  }]
  cur_iter          integer      between 0 and 9223372036854776000
  detailed_status {
    date    string max:26 chars
    message string max:6400 chars
    status  string max:100 chars
    time    string max:26 chars
  }
  epoch            integer      between -1 and 9223372036854776000
  eta              string       max:9223372036854776000 chars
  graphical [{
    Array of object:
    metric string max:100 chars
    units  string max:100 chars
    values {
    }
    x_max integer between -9223372036854776000 and 9223372036854776000
    x_min integer between -9223372036854776000 and 9223372036854776000
    y_max number
    y_min number
  }]
  key_metric      number
  kpi [{
    Array of object:
    metric string max:100 chars
    values {
    }
  }]
  max_epoch       integer      between 0 and 9223372036854776000
  message         string       max:9223372036854776000 chars
  stats [{
    Array of object:
    metric string max:100 chars

```

```

        value string max:9223372036854776000 chars
    ]]
    time_per_epoch string max:9223372036854776000 chars
    time_per_iter string max:9223372036854776000 chars
}
specs undefined
status enum ALLOWED:Done, Running, Error, Pending, Canceled
]]
last_modified string max:26 chars
logo string max:2048 chars
name string max:500 chars
status enum ALLOWED:starting, in_progress, pull_complete, invalid_pull
type enum ALLOWED:object_detection, semantic_segmentation,
image_classification, instance_segmentation,
character_recognition, action_recognition, pointpillars,
pose_classification, ml_recog, ocdnet, ocrnet,
optical_inspection, re_identification, visual_changenet,
centerpose, not_restricted, user_custom

user_id string WRITE-ONLY
max:36 chars
version string max:10 chars
}

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.6 PATCH /api/v1/orgs/{org_name}/datasets/{dataset_id}

Partial update Dataset

Returns the updated Dataset

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset to update

REQUEST BODY - application/json

```

{

```

```

client_id      string  max:2048 chars
client_secret  string  max:2048 chars
client_url     string  max:2048 chars
cloud_details {
  cloud_file_type  enum      ALLOWED:file, folder
  cloud_specific_details undefined
  cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
description    string  max:1000 chars
docker_env_vars {
}
filters        string  max:2048 chars
format         enum    ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco, lprnet,
                        train, test, default, custom, classification_pyt,
                        classification_tf2, visual_changenet_segment,
                        visual_changenet_classify, monai
logo           string  max:2048 chars
name           string  max:500 chars
status         enum    ALLOWED:starting, in_progress, pull_complete, invalid_pull
type           enum    ALLOWED:object_detection, semantic_segmentation,
                        image_classification, instance_segmentation,
                        character_recognition, action_recognition, pointpillars,
                        pose_classification, ml_recog, ocdnet, ocrnet,
                        optical_inspection, re_identification, visual_changenet,
                        centerpose, not_restricted, user_custom
user_id        string  max:36 chars
version        string  max:10 chars
}

```

RESPONSE

STATUS CODE - 200: Returned the updated Dataset

RESPONSE MODEL - application/json

```

{
  actions      [enum]    ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                        train, evaluate, prune, retrain, export, gen_trt_engine,
                        trtexec, inference, batchinfer, augment,
                        annotation_format_convert, analyze, validate, generate,
                        calibration_tensorfile, annotation, nextimage,
                        cacheimage, notify, auto3dseg
  client_id     string    WRITE-ONLY
                        max:2048 chars
  client_secret string    WRITE-ONLY
                        max:2048 chars
  client_url    string    max:2048 chars
  cloud_details {
    cloud_file_type  enum      ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type       enum      ALLOWED:aws, azure, gcp, huggingface,
                                self_hosted
  }
  created_on     string    max:26 chars
  description     string    max:1000 chars
  docker_env_vars {
  }
  filters        string    WRITE-ONLY
                        max:2048 chars
}

```

```

format          enum          ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco,
                                lprnet, train, test, default, custom, classification_pyt,
                                classification_tf2, visual_changenet_segment,
                                visual_changenet_classify, monai
id              string        max:36 chars
jobs [{
  Array of object:
    action       enum          ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
                                batchinfer, augment, annotation_format_convert,
                                analyze, validate, generate, calibration_tensorfile,
                                annotation, nextimage, cacheimage, notify, auto3dseg
    created_on    string        max:26 chars
    dataset_id    string        max:36 chars
    description    string        max:1000 chars
    id            string        max:36 chars
    job_tar_stats {
      file_size   integer      between 0 and 9223372036854776000
      sha256_digest string      max:64 chars
    }
    last_modified string        max:26 chars
    name          string        max:500 chars
    num_gpu        integer      between 0 and 9223372036854776000
    parent_id      string        max:36 chars
    platform       enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string max:500 chars
              value    number
            }]
          metric string max:100 chars
        }]
      cur_iter          integer      between 0 and 9223372036854776000
      detailed_status {
        date    string max:26 chars
        message string max:6400 chars
        status  string max:100 chars
        time    string max:26 chars
      }
      epoch          integer      between -1 and 9223372036854776000
      eta            string        max:9223372036854776000 chars
      graphical [{
        Array of object:
          metric string max:100 chars
          units  string max:100 chars
          values {
            }
          x_max integer between -9223372036854776000 and 9223372036854776000

```

```

        x_min integer between -9223372036854776000 and 9223372036854776000
        y_max number
        y_min number
    }]
    key_metric number
    kpi [{
    Array of object:
        metric string max:100 chars
        values {
        }
    }]
    max_epoch integer between 0 and 9223372036854776000
    message string max:9223372036854776000 chars
    stats [{
    Array of object:
        metric string max:100 chars
        value string max:9223372036854776000 chars
    }]
    time_per_epoch string max:9223372036854776000 chars
    time_per_iter string max:9223372036854776000 chars
}
specs undefined
status enum ALLOWED:Done, Running, Error, Pending, Canceled
}]
last_modified string max:26 chars
logo string max:2048 chars
name string max:500 chars
status enum ALLOWED:starting, in_progress, pull_complete, invalid_pull
type enum ALLOWED:object_detection, semantic_segmentation,
image_classification, instance_segmentation,
character_recognition, action_recognition, pointpillars,
pose_classification, ml_recog, ocdnet, ocrnet,
optical_inspection, re_identification, visual_changenet,
centerpose, not_restricted, user_custom

user_id string WRITE-ONLY
max:36 chars
version string max:10 chars
}

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.7 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs

List Jobs for Dataset

Returns the list of Jobs

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
dataset_id	string max:36 chars PATTERN: .	ID for Dataset

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
skip	int32 between 0 and 2147483647	Optional skip for pagination
size	int32 between 0 and 2147483647	Optional size for pagination
sort	enum ALLOWED: date-descending, date-ascending	Optional sort

RESPONSE

STATUS CODE - 200: Returned list of Jobs

RESPONSE MODEL - application/json

```
[{
  Array of object:
    action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
    created_on      string        max:26 chars
    dataset_id      string        max:36 chars
    description     string        max:1000 chars
    id              string        max:36 chars
    job_tar_stats {
      file_size     integer      between 0 and 9223372036854776000
      sha256_digest string      max:64 chars
    }
    last_modified   string        max:26 chars
    name            string        max:500 chars
    num_gpu         integer      between 0 and 9223372036854776000
    parent_id       string        max:36 chars
    platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
```



```

    }}
    categorical [{
      Array of object:
        category_wise_values [{
          Array of object:
            category string max:500 chars
            value     number
          }]
        metric      string      max:100 chars
      }]
    cur_iter          integer      between 0 and 9223372036854776000
    detailed_status {
      date      string max:26 chars
      message   string max:6400 chars
      status    string max:100 chars
      time      string max:26 chars
    }
    epoch            integer      between -1 and 9223372036854776000
    eta              string       max:9223372036854776000 chars
    graphical [{
      Array of object:
        metric string max:100 chars
        units  string max:100 chars
        values {
        }
        x_max integer between -9223372036854776000 and 9223372036854776000
        x_min integer between -9223372036854776000 and 9223372036854776000
        y_max number
        y_min number
      }]
    key_metric        number
    kpi [{
      Array of object:
        metric string max:100 chars
        values {
        }
      }]
    max_epoch          integer      between 0 and 9223372036854776000
    message            string       max:9223372036854776000 chars
    stats [{
      Array of object:
        metric string max:100 chars
        value  string max:9223372036854776000 chars
      }]
    time_per_epoch     string       max:9223372036854776000 chars
    time_per_iter      string       max:9223372036854776000 chars
  }
  specs              undefined
  status             enum          ALLOWED:Done, Running, Error, Pending, Canceled
}]

```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.8 POST /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs

Run Dataset Jobs

Asynchronously starts a dataset action and returns corresponding Job ID

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID for Dataset

REQUEST BODY - application/json

```
{
  action      enum      ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                        train, evaluate, prune, retrain, export, gen_trt_engine,
                        trtexec, inference, batchinfer, augment,
                        annotation_format_convert, analyze, validate, generate,
                        calibration_tensorfile, annotation, nextimage, cacheimage,
                        notify, auto3dseg
  description string    max:1000 chars
  name        string    max:500 chars
  num_gpu     integer    between 0 and 9223372036854776000
  parent_job_id string    max:36 chars
  platform    enum      ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  specs       undefined
}
```

RESPONSE

STATUS CODE - 201: Returned the Job ID corresponding to requested Dataset Action

RESPONSE MODEL - application/json

```
string
max:36 chars
```

STATUS CODE - 404: User or Dataset not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string  max:1000 chars
}
```

2.9 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}

Retrieve Job for Dataset

Returns the Job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  created_on      string        max:26 chars
  dataset_id      string        max:36 chars
  description     string        max:1000 chars
  id              string        max:36 chars
  job_tar_stats {
    file_size     integer       between 0 and 9223372036854776000
    sha256_digest string       max:64 chars
  }
  last_modified   string        max:26 chars
  name            string        max:500 chars
  num_gpu         integer       between 0 and 9223372036854776000
  parent_id       string        max:36 chars
  platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  result {
    automl_result [{
      Array of object:
      metric string max:100 chars
      value  number
    }]
    categorical [{
      Array of object:
      category_wise_values [{
        Array of object:
        category string max:500 chars
        value    number
      }]
      metric  string  max:100 chars
    }]
    cur_iter          integer       between 0 and 9223372036854776000
    detailed_status {
      date      string max:26 chars
      message   string max:6400 chars
      status    string max:100 chars
    }
  }
}
```

```

    time      string max:26 chars
  }
  epoch      integer      between -1 and 9223372036854776000
  eta        string       max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units  string max:100 chars
      values {
      }
      x_max  integer between -9223372036854776000 and 9223372036854776000
      x_min  integer between -9223372036854776000 and 9223372036854776000
      y_max  number
      y_min  number
    }]
  key_metric number
  kpi [{
    Array of object:
      metric string max:100 chars
      values {
      }
    }]
  max_epoch integer      between 0 and 9223372036854776000
  message   string       max:9223372036854776000 chars
  stats [{
    Array of object:
      metric string max:100 chars
      value  string max:9223372036854776000 chars
    }]
  time_per_epoch string      max:9223372036854776000 chars
  time_per_iter  string      max:9223372036854776000 chars
}
specs      undefined
status      enum      ALLOWED:Done, Running, Error, Pending, Canceled
}

```

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.10 DELETE /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}

Delete Dataset Job

delete Dataset Job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name

NAME	TYPE	DESCRIPTION
*dataset_id	uuid max:36 chars	ID for Dataset
*job_id	uuid max:36 chars	ID for Job

RESPONSE

STATUS CODE - 200: Successfully requested deletion of specified Job ID

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

2.11 POST /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}:cancel

Cancel Dataset Job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID for Dataset
*job_id	uuid max:36 chars	ID for Job

RESPONSE

STATUS CODE - 200: Successfully requested cancelation of specified Job ID (asynchronous)

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

2.12 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}:download

Download Job Artifacts

Download the Artifacts produced by a given job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job Artifacts

RESPONSE MODEL - application/octet-stream

string
max:1000 chars

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

2.13 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}:status_update

Posts status for the job

Saves recieved content to status file

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  created_on      string        max:26 chars
  dataset_id      string        max:36 chars
  description     string        max:1000 chars
  id              string        max:36 chars
  job_tar_stats {
    file_size      integer      between 0 and 9223372036854776000
    sha256_digest  string       max:64 chars
  }
  last_modified   string        max:26 chars
  name            string        max:500 chars
  num_gpu         integer       between 0 and 9223372036854776000
  parent_id       string        max:36 chars
  platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  result {
    automl_result [{
      Array of object:
        metric string max:100 chars
        value  number
    }]
    categorical [{
      Array of object:
        category_wise_values [{
          Array of object:
            category string max:500 chars
            value    number
          }]
        metric string max:100 chars
    }]
    cur_iter          integer      between 0 and 9223372036854776000
    detailed_status {
      date      string max:26 chars
      message   string max:6400 chars
      status    string max:100 chars
      time      string max:26 chars
    }
    epoch           integer       between -1 and 9223372036854776000
    eta             string        max:9223372036854776000 chars
    graphical [{
      Array of object:
        metric string max:100 chars
        units  string max:100 chars
        values {
        }
        x_max integer between -9223372036854776000 and 9223372036854776000
        x_min integer between -9223372036854776000 and 9223372036854776000
    }
  }
}
```

```

        y_max    number
        y_min    number
    ]]
    key_metric    number
    kpi [{
    Array of object:
        metric string max:100 chars
        values {
        }
    }]
    max_epoch    integer    between 0 and 9223372036854776000
    message      string     max:9223372036854776000 chars
    stats [{
    Array of object:
        metric string max:100 chars
        value  string max:9223372036854776000 chars
    }]
    time_per_epoch    string    max:9223372036854776000 chars
    time_per_iter     string    max:9223372036854776000 chars
}
specs            undefined
status           enum        ALLOWED:Done, Running, Error, Pending, Canceled
}

```

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

2.14 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/specs/{action}/schema

Retrieve Specs schema

Returns the Specs schema for a given action

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID for Dataset
*action	enum ALLOWED: dataset_convert, convert, convert_efficientdet_tf2, kmeans, augment, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, annotation, analyze, validate, generate, calibration_tensorfile	Action name

RESPONSE

STATUS CODE - 200: Returned the Specs schema for given action

RESPONSE MODEL - application/json

```
{  
}
```

STATUS CODE - 404: User, Dataset or Action not found

RESPONSE MODEL - application/json

```
{  
  error_code integer between -9223372036854776000 and 9223372036854776000  
  error_desc string max:1000 chars  
}
```

3. DATASET

3.1 GET /api/v1/orgs/{org_name}/datasets/{dataset_id}/jobs/{job_id}:log_update

Posts log for the job

Saves recieved content to log file

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*dataset_id	uuid max:36 chars	ID of Dataset
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  created_on      string        max:26 chars
  dataset_id      string        max:36 chars
  description     string        max:1000 chars
  id              string        max:36 chars
  job_tar_stats {
    file_size     integer       between 0 and 9223372036854776000
    sha256_digest string        max:64 chars
  }
  last_modified   string        max:26 chars
  name            string        max:500 chars
  num_gpu         integer       between 0 and 9223372036854776000
  parent_id       string        max:36 chars
  platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  result {
    automl_result [{
      Array of object:
        metric string max:100 chars
        value  number
    }]
    categorical [{
      Array of object:
```

```

category_wise_values [{
  Array of object:
    category string max:500 chars
    value     number
  }]
metric      string      max:100 chars
}]
cur_iter      integer      between 0 and 9223372036854776000
detailed_status {
  date      string max:26 chars
  message   string max:6400 chars
  status    string max:100 chars
  time      string max:26 chars
}
epoch          integer      between -1 and 9223372036854776000
eta            string      max:9223372036854776000 chars
graphical [{
  Array of object:
    metric string max:100 chars
    units  string max:100 chars
    values {
    }
    x_max  integer between -9223372036854776000 and 9223372036854776000
    x_min  integer between -9223372036854776000 and 9223372036854776000
    y_max  number
    y_min  number
  }]
key_metric      number
kpi [{
  Array of object:
    metric string max:100 chars
    values {
    }
  }]
max_epoch      integer      between 0 and 9223372036854776000
message        string      max:9223372036854776000 chars
stats [{
  Array of object:
    metric string max:100 chars
    value  string max:9223372036854776000 chars
  }]
time_per_epoch string      max:9223372036854776000 chars
time_per_iter  string      max:9223372036854776000 chars
}
specs          undefined
status         enum        ALLOWED:Done, Running, Error, Pending, Canceled
}

```

STATUS CODE - 404: User, Dataset or Job not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

4. EXPERIMENT

Endpoints related to Experiments

4.1 GET /api/v1/orgs/{org_name}/experiments

List Experiments

Returns the list of Experiments

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
skip	int32 between 0 and 2147483647	Optional skip for pagination
size	int32 between 0 and 2147483647	Optional size for pagination
sort	enum ALLOWED: date-descending, date-ascending, name-descending, name-ascending	Optional sort
name	string max:5000 chars PATTERN: .*	Optional name filter
type	enum ALLOWED: vision, medical	Optional type filter
arch	enum ALLOWED: detectnet_v2	Optional network architecture filter
read_only	boolean	Optional read_only filter
user_only	boolean	Optional filter to select user owned experiments only

RESPONSE

STATUS CODE - 200: Returned the list of Experiments

RESPONSE MODEL - application/json

```
[ {
```

Array of object:

actions

[enum]

ALLOWED: dataset_convert, convert, convert_efficientdet_tf2, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, batchinfer, augment, annotation_format_convert, analyze, validate, generate, calibration_tensorfile, annotation, nextimage, cacheimage, notify,

```

                                auto3dseg
additional_id_info             string    max:100 chars
automl_settings {
    automl_R                   integer   between 0 and 9223372036854776000
    automl_add_hyperparameters string    max:5000 chars
    automl_algorithm           enum      ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled             boolean
    automl_max_recommendations integer   between 0 and 9223372036854776000
    automl_nu                  integer   between 0 and 9223372036854776000
    automl_remove_hyperparameters string  max:5000 chars
    epoch_multiplier           integer   between 0 and 9223372036854776000
    override_automl_disabled_params boolean
}
backbone_class                 string    max:1000 chars
backbone_type                 string    max:1000 chars
base_experiment               [string]  max:36 chars
base_experiment_pull_complete enum      ALLOWED:starting, in_progress, pull_complete,
                                         invalid_pull
bundle_url                   string    max:1000 chars
calibration_dataset           string    max:36 chars
checkpoint_choose_method      enum      ALLOWED:latest_model, best_model,
                                         from_epoch_number
checkpoint_epoch_number {
}
cloud_details {
    cloud_file_type            enum      ALLOWED:file, folder
    cloud_specific_details      undefined
    cloud_type                 enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
created_on                   string    max:26 chars
dataset_formats              [enum]    ALLOWED:kitti, pascal_voc, raw, coco_raw,
                                         unet, coco, lprnet, train, test, default,
                                         custom, classification_pyt,
                                         classification_tf2,
                                         visual_changenet_segment,
                                         visual_changenet_classify, monai
dataset_type                 enum      ALLOWED:object_detection,
                                         semantic_segmentation,
                                         image_classification,
                                         instance_segmentation,
                                         character_recognition, action_recognition,
                                         pointpillars, pose_classification,
                                         ml_recog, ocdnet, ocrnet,
                                         optical_inspection, re_identification,
                                         visual_changenet, centerpose,
                                         not_restricted, user_custom
description                  string    max:1000 chars
docker_env_vars {
}
domain                      string    max:1000 chars
encryption_key              string    max:100 chars
eval_dataset                string    max:36 chars
id                          string    max:36 chars
inference_dataset           string    max:36 chars
is_ptm_backbone             boolean
jobs [{
Array of object:

```

action	enum	ALLOWED:dataset_convert, convert, convert_efficientdet_tf2, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, batchinfer, augment, annotation_format_convert, analyze, validate, generate, calibration_tensorfile, annotation, nextimage, cacheimage, notify, auto3dseg
created_on	string	max:26 chars
description	string	max:1000 chars
experiment_id	string	max:36 chars
id	string	max:36 chars
job_tar_stats	{	
file_size	integer	between 0 and 9223372036854776000
sha256_digest	string	max:64 chars
}		
last_modified	string	max:26 chars
name	string	max:500 chars
num_gpu	integer	between 0 and 9223372036854776000
parent_id	string	max:36 chars
platform	enum	ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result	{	
automl_result	[{	
Array of object:		
metric	string	max:100 chars
value	number	
}]		
categorical	[{	
Array of object:		
category_wise_values	[{	
Array of object:		
category	string	max:500 chars
value	number	
}]		
metric	string	max:100 chars
}]		
cur_iter	integer	between 0 and 9223372036854776000
detailed_status	{	
date	string	max:26 chars
message	string	max:6400 chars
status	string	max:100 chars
time	string	max:26 chars
}		
epoch	integer	between -1 and 9223372036854776000
eta	string	max:9223372036854776000 chars
graphical	[{	
Array of object:		
metric	string	max:100 chars
units	string	max:100 chars
values	{	
}		
x_max	integer	between -9223372036854776000 and 9223372036854776000
x_min	integer	between -9223372036854776000 and 9223372036854776000
y_max	number	
y_min	number	
}]		
key_metric	number	
kpi	[{	
Array of object:		

```

        metric string max:100 chars
        values {
        }
    }]
    max_epoch          integer      between 0 and 9223372036854776000
    message             string      max:9223372036854776000 chars
    stats [{
    Array of object:
        metric string max:100 chars
        value  string max:9223372036854776000 chars
    }]
    time_per_epoch      string      max:9223372036854776000 chars
    time_per_iter       string      max:9223372036854776000 chars
    }
    specs               undefined
    status              enum        ALLOWED:Done, Running, Error, Pending, Canceled
    sync               boolean
    }]
    last_modified       string      max:26 chars
    license              string      max:1000 chars
    logo                string      max:2048 chars
    metric              string      max:100 chars
    model_params {
    }
    name                string      max:500 chars
    network_arch         enum        ALLOWED:detectnet_v2, unet,
                                     classification_tf2, efficientdet_tf2,
                                     action_recognition, classification_pyt,
                                     mal, ml_recog, ocdnet, ocrnet,
                                     optical_inspection, pointpillars,
                                     pose_classification, re_identification,
                                     deformable_detr, dino, segformer,
                                     visual_changenet, centerpose, auto_label,
                                     image, monai_vista3d, monai_vista2d,
                                     monai_segmentation, monai_annotation,
                                     monai_classification, monai_detection,
                                     monai_automl, monai_custom, monai_genai
    ngc_path            string      max:250 chars
    public              boolean
    read_only           boolean
    realtime_infer       boolean
    realtime_infer_endpoint string    WRITE-ONLY
                                     max:1000 chars
    realtime_infer_model_name string    WRITE-ONLY
                                     max:1000 chars
    realtime_infer_request_timeout integer between 0 and 86400
    realtime_infer_support boolean
    sha256_digest {
    }
    spec_file_present   boolean
    task                string      max:1000 chars
    train_datasets      [string]    max:36 chars
    type                enum        ALLOWED:vision, medical
    user_id             string      WRITE-ONLY
                                     max:36 chars
    version             string      max:500 chars
    }]

```

4.2 POST /api/v1/orgs/{org_name}/experiments

Create new Experiment

Returns the new Experiment

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name

REQUEST BODY - application/json

{		
additional_id_info	string	max:100 chars
automl_settings {		
automl_R	integer	between 0 and 9223372036854776000
automl_add_hyperparameters	string	max:5000 chars
automl_algorithm	enum	ALLOWED:bayesian, hyperband
automl_delete_intermediate_ckpt	boolean	
automl_enabled	boolean	
automl_max_recommendations	integer	between 0 and 9223372036854776000
automl_nu	integer	between 0 and 9223372036854776000
automl_remove_hyperparameters	string	max:5000 chars
epoch_multiplier	integer	between 0 and 9223372036854776000
override_automl_disabled_params	boolean	
}		
base_experiment	[string]	max:36 chars
base_experiment_pull_complete	enum	ALLOWED:starting, in_progress, pull_complete, invalid_pull
bundle_url	string	max:1000 chars
calibration_dataset	string	max:36 chars
checkpoint_choose_method	enum	ALLOWED:latest_model, best_model, from_epoch_number
checkpoint_epoch_number {		
}		
cloud_details {		
cloud_file_type	enum	ALLOWED:file, folder
cloud_specific_details	undefined	
cloud_type	enum	ALLOWED:aws, azure, gcp, huggingface, self_hosted
}		
description	string	max:1000 chars
docker_env_vars {		
}		
encryption_key	string	max:100 chars
eval_dataset	string	max:36 chars
inference_dataset	string	max:36 chars
is_ptm_backbone	boolean	
logo	string	max:2048 chars
metric	string	max:100 chars
model_params {		
}		
name	string	max:500 chars
network_arch	enum	ALLOWED:detectnet_v2, unet, classification_tf2, efficientdet_tf2,

		action_recognition, classification_pyt, mal, ml_recog, ocdnet, ocrnet, optical_inspection, pointpillars, pose_classification, re_identification, deformable_detr, dino, segformer, visual_changenet, centerpose, auto_label, image, monai_vista3d, monai_vista2d, monai_segmentation, monai_annotation, monai_classification, monai_detection, monai_automl, monai_custom, monai_genai
ngc_path	string	max:250 chars
public	boolean	
read_only	boolean	
realtime_infer	boolean	
realtime_infer_request_timeout	integer	between 0 and 9223372036854776000
sha256_digest {		
}		
spec_file_present	boolean	
train_datasets	[string]	max:36 chars
type	enum	ALLOWED:vision, medical
user_id	string	max:36 chars
version	string	max:500 chars

}

RESPONSE

STATUS CODE - 201: Returned the new Experiment

RESPONSE MODEL - application/json

```
{
  actions [enum] ALLOWED:dataset_convert, convert,
    convert_efficientdet_tf2, train, evaluate,
    prune, retrain, export, gen_trt_engine,
    trtexec, inference, batchinfer, augment,
    annotation_format_convert, analyze,
    validate, generate,
    calibration_tensorfile, annotation,
    nextimage, cacheimage, notify, auto3dseg
  additional_id_info string max:100 chars
  automl_settings {
    automl_R integer between 0 and 9223372036854776000
    automl_add_hyperparameters string max:5000 chars
    automl_algorithm enum ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled boolean
    automl_max_recommendations integer between 0 and 9223372036854776000
    automl_nu integer between 0 and 9223372036854776000
    automl_remove_hyperparameters string max:5000 chars
    epoch_multiplier integer between 0 and 9223372036854776000
    override_automl_disabled_params boolean
  }
  backbone_class string max:1000 chars
  backbone_type string max:1000 chars
  base_experiment [string] max:36 chars
  base_experiment_pull_complete enum ALLOWED:starting, in_progress,
    pull_complete, invalid_pull
  bundle_url string max:1000 chars
}
```

calibration_dataset	string	max:36 chars
checkpoint_choose_method	enum	ALLOWED:latest_model, best_model, from_epoch_number
checkpoint_epoch_number {		
}		
cloud_details {		
cloud_file_type	enum	ALLOWED:file, folder
cloud_specific_details	undefined	
cloud_type	enum	ALLOWED:aws, azure, gcp, huggingface, self_hosted
}		
created_on	string	max:26 chars
dataset_formats	[enum]	ALLOWED:kitti, pascal_voc, raw, coco_raw, unet, coco, lprnet, train, test, default, custom, classification_pyt, classification_tf2, visual_changenet_segment, visual_changenet_classify, monai
dataset_type	enum	ALLOWED:object_detection, semantic_segmentation, image_classification, instance_segmentation, character_recognition, action_recognition, pointpillars, pose_classification, ml_recog, ocdnet, ocrnet, optical_inspection, re_identification, visual_changenet, centerpose, not_restricted, user_custom
description	string	max:1000 chars
docker_env_vars {		
}		
domain	string	max:1000 chars
encryption_key	string	max:100 chars
eval_dataset	string	max:36 chars
id	string	max:36 chars
inference_dataset	string	max:36 chars
is_ptm_backbone	boolean	
jobs [{		
Array of object:		
action	enum	ALLOWED:dataset_convert, convert, convert_efficientdet_tf2, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, batchinfer, augment, annotation_format_convert, analyze, validate, generate, calibration_tensorfile, annotation, nextimage, cacheimage, notify, auto3dseg
created_on	string	max:26 chars
description	string	max:1000 chars
experiment_id	string	max:36 chars
id	string	max:36 chars
job_tar_stats {		
file_size	integer	between 0 and 9223372036854776000
sha256_digest	string	max:64 chars
}		
last_modified	string	max:26 chars
name	string	max:500 chars
num_gpu	integer	between 0 and 9223372036854776000
parent_id	string	max:36 chars

```

platform      enum      ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
      metric string max:100 chars
      value  number
    }]
  categorical [{
    Array of object:
      category_wise_values [{
        Array of object:
          category string max:500 chars
          value    number
        }]
      metric string max:100 chars
    }]
  cur_iter      integer      between 0 and 9223372036854776000
  detailed_status {
    date string max:26 chars
    message string max:6400 chars
    status string max:100 chars
    time string max:26 chars
  }
  epoch          integer      between -1 and 9223372036854776000
  eta            string       max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units string max:100 chars
      values {
      }
      x_max integer between -9223372036854776000 and 9223372036854776000
      x_min integer between -9223372036854776000 and 9223372036854776000
      y_max number
      y_min number
    }]
  key_metric      number
  kpi [{
    Array of object:
      metric string max:100 chars
      values {
      }
    }]
  max_epoch      integer      between 0 and 9223372036854776000
  message        string       max:9223372036854776000 chars
  stats [{
    Array of object:
      metric string max:100 chars
      value string max:9223372036854776000 chars
    }]
  time_per_epoch string       max:9223372036854776000 chars
  time_per_iter  string       max:9223372036854776000 chars
}
specs           undefined
status          enum      ALLOWED:Done, Running, Error, Pending, Canceled
sync            boolean
}]

```

last_modified	string	max:26 chars
license	string	max:1000 chars
logo	string	max:2048 chars
metric	string	max:100 chars
model_params {		
}		
name	string	max:500 chars
network_arch	enum	ALLOWED:detectnet_v2, unet, classification_tf2, efficientdet_tf2, action_recognition, classification_pyt, mal, ml_recog, ocdnet, ocrnet, optical_inspection, pointpillars, pose_classification, re_identification, deformable_detr, dino, segformer, visual_changenet, centerpose, auto_label, image, monai_vista3d, monai_vista2d, monai_segmentation, monai_annotation, monai_classification, monai_detection, monai_automl, monai_custom, monai_genai
ngc_path	string	max:250 chars
public	boolean	
read_only	boolean	
realtime_infer	boolean	
realtime_infer_endpoint	string	WRITE-ONLY max:1000 chars
realtime_infer_model_name	string	WRITE-ONLY max:1000 chars
realtime_infer_request_timeout	integer	between 0 and 86400
realtime_infer_support	boolean	
sha256_digest {		
}		
spec_file_present	boolean	
task	string	max:1000 chars
train_datasets	[string]	max:36 chars
type	enum	ALLOWED:vision, medical
user_id	string	WRITE-ONLY max:36 chars
version	string	max:500 chars

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.3 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}

Retrieve Experiment

Returns the Experiment

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment to return

RESPONSE

STATUS CODE - 200: Returned the Experiment

RESPONSE MODEL - application/json

```
{
  actions [enum] ALLOWED:dataset_convert, convert,
  convert_efficientdet_tf2, train, evaluate,
  prune, retrain, export, gen_trt_engine,
  trtexec, inference, batchinfer, augment,
  annotation_format_convert, analyze,
  validate, generate, calibration_tensorfile,
  annotation, nextimage, cacheimage, notify,
  auto3dseg
  additional_id_info string max:100 chars
  automl_settings {
    automl_R integer between 0 and 9223372036854776000
    automl_add_hyperparameters string max:5000 chars
    automl_algorithm enum ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled boolean
    automl_max_recommendations integer between 0 and 9223372036854776000
    automl_nu integer between 0 and 9223372036854776000
    automl_remove_hyperparameters string max:5000 chars
    epoch_multiplier integer between 0 and 9223372036854776000
    override_automl_disabled_params boolean
  }
  backbone_class string max:1000 chars
  backbone_type string max:1000 chars
  base_experiment [string] max:36 chars
  base_experiment_pull_complete enum ALLOWED:starting, in_progress, pull_complete,
  invalid_pull
  bundle_url string max:1000 chars
  calibration_dataset string max:36 chars
  checkpoint_choose_method enum ALLOWED:latest_model, best_model,
  from_epoch_number
  checkpoint_epoch_number {
  }
  cloud_details {
    cloud_file_type enum ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type enum ALLOWED:aws, azure, gcp, huggingface, self_hosted
  }
  created_on string max:26 chars
  dataset_formats [enum] ALLOWED:kitti, pascal_voc, raw, coco_raw,
  unet, coco, lprnet, train, test, default,
  custom, classification_pyt,
  classification_tf2,
  visual_changenet_segment,
```

dataset_type	enum	visual_changenet_classify, monai ALLOWED:object_detection, semantic_segmentation, image_classification, instance_segmentation, character_recognition, action_recognition, pointpillars, pose_classification, ml_recog, ocdnet, ocrnet, optical_inspection, re_identification, visual_changenet, centerpose, not_restricted, user_custom
description	string	max:1000 chars
docker_env_vars {		
}		
domain	string	max:1000 chars
encryption_key	string	max:100 chars
eval_dataset	string	max:36 chars
id	string	max:36 chars
inference_dataset	string	max:36 chars
is_ptm_backbone	boolean	
jobs [{		
Array of object:		
action	enum	ALLOWED:dataset_convert, convert, convert_efficientdet_tf2, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, batchinfer, augment, annotation_format_convert, analyze, validate, generate, calibration_tensorfile, annotation, nextimage, cacheimage, notify, auto3dseg
created_on	string	max:26 chars
description	string	max:1000 chars
experiment_id	string	max:36 chars
id	string	max:36 chars
job_tar_stats {		
file_size	integer	between 0 and 9223372036854776000
sha256_digest	string	max:64 chars
}		
last_modified	string	max:26 chars
name	string	max:500 chars
num_gpu	integer	between 0 and 9223372036854776000
parent_id	string	max:36 chars
platform	enum	ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {		
automl_result [{		
Array of object:		
metric	string	max:100 chars
value	number	
}]		
categorical [{		
Array of object:		
category_wise_values [{		
Array of object:		
category	string	max:500 chars
value	number	
}]		
metric	string	max:100 chars
}]		
cur_iter	integer	between 0 and 9223372036854776000

```

detailed_status {
    date      string  max:26 chars
    message   string  max:6400 chars
    status    string  max:100 chars
    time      string  max:26 chars
}
epoch          integer      between -1 and 9223372036854776000
eta            string       max:9223372036854776000 chars
graphical [{
Array of object:
    metric string  max:100 chars
    units  string  max:100 chars
    values {
    }
    x_max  integer between -9223372036854776000 and 9223372036854776000
    x_min  integer between -9223372036854776000 and 9223372036854776000
    y_max  number
    y_min  number
}]
key_metric      number
kpi [{
Array of object:
    metric string  max:100 chars
    values {
    }
}]
max_epoch       integer      between 0 and 9223372036854776000
message         string       max:9223372036854776000 chars
stats [{
Array of object:
    metric string  max:100 chars
    value  string  max:9223372036854776000 chars
}]
time_per_epoch  string       max:9223372036854776000 chars
time_per_iter   string       max:9223372036854776000 chars
}
specs           undefined
status          enum        ALLOWED:Done, Running, Error, Pending, Canceled
sync            boolean
}]
last_modified   string       max:26 chars
license         string       max:1000 chars
logo            string       max:2048 chars
metric          string       max:100 chars
model_params {
}
name            string       max:500 chars
network_arch    enum        ALLOWED:detectnet_v2, unet,
                             classification_tf2, efficientdet_tf2,
                             action_recognition, classification_pyt,
                             mal, ml_recog, ocdnet, ocrnet,
                             optical_inspection, pointpillars,
                             pose_classification, re_identification,
                             deformable_detr, dino, segformer,
                             visual_changenet, centerpose, auto_label,
                             image, monai_vista3d, monai_vista2d,
                             monai_segmentation, monai_annotation,

```

```

monai_classification, monai_detection,
monai_automl, monai_custom, monai_genai
ngc_path          string      max:250 chars
public            boolean
read_only         boolean
realtime_infer     boolean
realtime_infer_endpoint string  WRITE-ONLY
                                     max:1000 chars
realtime_infer_model_name string  WRITE-ONLY
                                     max:1000 chars
realtime_infer_request_timeout integer between 0 and 86400
realtime_infer_support boolean
sha256_digest {
}
spec_file_present boolean
task              string      max:1000 chars
train_datasets    [string]    max:36 chars
type              enum        ALLOWED:vision, medical
user_id           string      WRITE-ONLY
                                     max:36 chars
version           string      max:500 chars
}

```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

4.4 PUT /api/v1/orgs/{org_name}/experiments/{experiment_id}

Update Experiment

Returns the updated Experiment

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment to update

REQUEST BODY - application/json

```

{
  additional_id_info          string      max:100 chars
  automl_settings {
    automl_R                  integer    between 0 and 9223372036854776000
    automl_add_hyperparameters string      max:5000 chars
    automl_algorithm           enum        ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled             boolean
  }
}

```



```

    automl_max_recommendations      integer  between 0 and 9223372036854776000
    automl_nu                        integer  between 0 and 9223372036854776000
    automl_remove_hyperparameters   string   max:5000 chars
    epoch_multiplier                 integer  between 0 and 9223372036854776000
    override_automl_disabled_params boolean
}
base_experiment                    [string]  max:36 chars
base_experiment_pull_complete      enum      ALLOWED:starting, in_progress, pull_complete,
                                         invalid_pull
bundle_url                        string     max:1000 chars
calibration_dataset                string     max:36 chars
checkpoint_choose_method           enum      ALLOWED:latest_model, best_model,
                                         from_epoch_number
checkpoint_epoch_number {
}
cloud_details {
    cloud_file_type                 enum      ALLOWED:file, folder
    cloud_specific_details          undefined
    cloud_type                      enum      ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
description                        string     max:1000 chars
docker_env_vars {
}
encryption_key                     string     max:100 chars
eval_dataset                       string     max:36 chars
inference_dataset                  string     max:36 chars
is_ptm_backbone                    boolean
logo                               string     max:2048 chars
metric                             string     max:100 chars
model_params {
}
name                               string     max:500 chars
network_arch                       enum      ALLOWED:detectnet_v2, unet,
                                         classification_tf2, efficientdet_tf2,
                                         action_recognition, classification_pyt, mal,
                                         ml_recog, ocdnet, ocrnet,
                                         optical_inspection, pointpillars,
                                         pose_classification, re_identification,
                                         deformable_detr, dino, segformer,
                                         visual_changenet, centerpose, auto_label,
                                         image, monai_vista3d, monai_vista2d,
                                         monai_segmentation, monai_annotation,
                                         monai_classification, monai_detection,
                                         monai_automl, monai_custom, monai_genai
ngc_path                           string     max:250 chars
public                             boolean
read_only                          boolean
realtime_infer                     boolean
realtime_infer_request_timeout     integer  between 0 and 9223372036854776000
sha256_digest {
}
spec_file_present                  boolean
train_datasets                     [string]  max:36 chars
type                               enum      ALLOWED:vision, medical
user_id                            string     max:36 chars
version                            string     max:500 chars
}

```

RESPONSE

STATUS CODE - 200: Returned the updated Experiment

RESPONSE MODEL - application/json

```
{
  actions [enum] ALLOWED:dataset_convert, convert,
  convert_efficientdet_tf2, train, evaluate,
  prune, retrain, export, gen_trt_engine,
  trtexec, inference, batchinfer, augment,
  annotation_format_convert, analyze,
  validate, generate,
  calibration_tensorfile, annotation,
  nextimage, cacheimage, notify, auto3dseg

  additional_id_info string max:100 chars

  automl_settings {
    automl_R integer between 0 and 9223372036854776000
    automl_add_hyperparameters string max:5000 chars
    automl_algorithm enum ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled boolean
    automl_max_recommendations integer between 0 and 9223372036854776000
    automl_nu integer between 0 and 9223372036854776000
    automl_remove_hyperparameters string max:5000 chars
    epoch_multiplier integer between 0 and 9223372036854776000
    override_automl_disabled_params boolean
  }

  backbone_class string max:1000 chars
  backbone_type string max:1000 chars
  base_experiment [string] max:36 chars
  base_experiment_pull_complete enum ALLOWED:starting, in_progress,
  pull_complete, invalid_pull

  bundle_url string max:1000 chars
  calibration_dataset string max:36 chars
  checkpoint_choose_method enum ALLOWED:latest_model, best_model,
  from_epoch_number

  checkpoint_epoch_number {
  }

  cloud_details {
    cloud_file_type enum ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type enum ALLOWED:aws, azure, gcp, huggingface,
    self_hosted
  }

  created_on string max:26 chars
  dataset_formats [enum] ALLOWED:kitti, pascal_voc, raw, coco_raw,
  unet, coco, lprnet, train, test, default,
  custom, classification_pyt,
  classification_tf2,
  visual_changenet_segment,
  visual_changenet_classify, monai

  dataset_type enum ALLOWED:object_detection,
  semantic_segmentation,
  image_classification,
  instance_segmentation,
  character_recognition, action_recognition,
  pointpillars, pose_classification,
```

```

ml_recog, ocdnet, ocrnet,
optical_inspection, re_identification,
visual_changenet, centerpose,
not_restricted, user_custom
description          string      max:1000 chars
docker_env_vars {
}
domain               string      max:1000 chars
encryption_key        string      max:100 chars
eval_dataset          string      max:36 chars
id                   string      max:36 chars
inference_dataset     string      max:36 chars
is_ptm_backbone       boolean
jobs [{
  Array of object:
    action            enum        ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
                                batchinfer, augment, annotation_format_convert,
                                analyze, validate, generate, calibration_tensorfile,
                                annotation, nextimage, cacheimage, notify, auto3dseg
    created_on         string      max:26 chars
    description         string      max:1000 chars
    experiment_id       string      max:36 chars
    id                  string      max:36 chars
    job_tar_stats {
      file_size         integer    between 0 and 9223372036854776000
      sha256_digest     string      max:64 chars
    }
    last_modified       string      max:26 chars
    name                string      max:500 chars
    num_gpu             integer    between 0 and 9223372036854776000
    parent_id           string      max:36 chars
    platform            enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string max:500 chars
              value    number
            }]
          metric string max:100 chars
        }]
    }
    cur_iter            integer    between 0 and 9223372036854776000
    detailed_status {
      date              string      max:26 chars
      message           string      max:6400 chars
      status            string      max:100 chars
      time              string      max:26 chars
    }
    epoch               integer    between -1 and 9223372036854776000

```

```

eta                                string          max:9223372036854776000 chars
graphical [{
  Array of object:
    metric string          max:100 chars
    units  string          max:100 chars
    values {
    }
    x_max  integer         between -9223372036854776000 and 9223372036854776000
    x_min  integer         between -9223372036854776000 and 9223372036854776000
    y_max  number
    y_min  number
  }]
key_metric                        number
kpi [{
  Array of object:
    metric string          max:100 chars
    values {
    }
  }]
max_epoch                        integer          between 0 and 9223372036854776000
message                          string           max:9223372036854776000 chars
stats [{
  Array of object:
    metric string          max:100 chars
    value  string          max:9223372036854776000 chars
  }]
time_per_epoch                  string           max:9223372036854776000 chars
time_per_iter                   string           max:9223372036854776000 chars
}
specs                           undefined
status                           enum            ALLOWED:Done, Running, Error, Pending, Canceled
sync                             boolean
}]
last_modified                    string          max:26 chars
license                          string          max:1000 chars
logo                             string          max:2048 chars
metric                           string          max:100 chars
model_params {
}
name                             string          max:500 chars
network_arch                     enum            ALLOWED:detectnet_v2, unet,
                                         classification_tf2, efficientdet_tf2,
                                         action_recognition, classification_pyt,
                                         mal, ml_recog, ocdnet, ocrnet,
                                         optical_inspection, pointpillars,
                                         pose_classification, re_identification,
                                         deformable_detr, dino, segformer,
                                         visual_changenet, centerpose, auto_label,
                                         image, monai_vista3d, monai_vista2d,
                                         monai_segmentation, monai_annotation,
                                         monai_classification, monai_detection,
                                         monai_automl, monai_custom, monai_genai
ngc_path                         string          max:250 chars
public                           boolean
read_only                        boolean
realtime_infer                   boolean
realtime_infer_endpoint          string          WRITE-ONLY

```

```

    realtime_infer_model_name      string      max:1000 chars
                                     WRITE-ONLY
                                     max:1000 chars
    realtime_infer_request_timeout integer      between 0 and 86400
    realtime_infer_support         boolean
    sha256_digest {
    }
    spec_file_present              boolean
    task                           string      max:1000 chars
    train_datasets                 [string]    max:36 chars
    type                           enum        ALLOWED:vision, medical
    user_id                        string      WRITE-ONLY
                                     max:36 chars
    version                        string      max:500 chars
  }

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

4.5 DELETE /api/v1/orgs/{org_name}/experiments/{experiment_id}

Delete Experiment

Cancels all related running jobs and returns the deleted Experiment

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment to delete

RESPONSE

STATUS CODE - 200: Returned the deleted Experiment

RESPONSE MODEL - application/json

```

{
  actions [enum] ALLOWED:dataset_convert, convert,
                                     convert_efficientdet_tf2, train, evaluate,
                                     prune, retrain, export, gen_trt_engine,

```

```

trtexec, inference, batchinfer, augment,
annotation_format_convert, analyze,
validate, generate, calibration_tensorfile,
annotation, nextimage, cacheimage, notify,
auto3dseg
additional_id_info      string      max:100 chars
automl_settings {
  automl_R              integer  between 0 and 9223372036854776000
  automl_add_hyperparameters string  max:5000 chars
  automl_algorithm       enum     ALLOWED:bayesian, hyperband
  automl_delete_intermediate_ckpt boolean
  automl_enabled         boolean
  automl_max_recommendations integer  between 0 and 9223372036854776000
  automl_nu              integer  between 0 and 9223372036854776000
  automl_remove_hyperparameters string  max:5000 chars
  epoch_multiplier       integer  between 0 and 9223372036854776000
  override_automl_disabled_params boolean
}
backbone_class          string      max:1000 chars
backbone_type           string      max:1000 chars
base_experiment         [string]    max:36 chars
base_experiment_pull_complete enum     ALLOWED:starting, in_progress, pull_complete,
invalid_pull
bundle_url              string      max:1000 chars
calibration_dataset     string      max:36 chars
checkpoint_choose_method enum     ALLOWED:latest_model, best_model,
from_epoch_number
checkpoint_epoch_number {
}
cloud_details {
  cloud_file_type        enum     ALLOWED:file, folder
  cloud_specific_details undefined
  cloud_type             enum     ALLOWED:aws, azure, gcp, huggingface, self_hosted
}
created_on              string      max:26 chars
dataset_formats         [enum]     ALLOWED:kitti, pascal_voc, raw, coco_raw,
unet, coco, lprnet, train, test, default,
custom, classification_pyt,
classification_tf2,
visual_changenet_segment,
visual_changenet_classify, monai
dataset_type            enum     ALLOWED:object_detection,
semantic_segmentation,
image_classification,
instance_segmentation,
character_recognition, action_recognition,
pointpillars, pose_classification,
ml_recog, ocdnet, ocrnet,
optical_inspection, re_identification,
visual_changenet, centerpose,
not_restricted, user_custom
description             string      max:1000 chars
docker_env_vars {
}
domain                  string      max:1000 chars
encryption_key          string      max:100 chars
eval_dataset            string      max:36 chars

```

```

id                string    max:36 chars
inference_dataset string    max:36 chars
is_ptm_backbone   boolean
jobs [{
  Array of object:
    action          enum      ALLOWED:dataset_convert, convert,
                                convert_efficientdet_tf2, train, evaluate, prune,
                                retrain, export, gen_trt_engine, trtexec, inference,
                                batchinfer, augment, annotation_format_convert, analyze,
                                validate, generate, calibration_tensorfile, annotation,
                                nextimage, cacheimage, notify, auto3dseg
    created_on       string    max:26 chars
    description      string    max:1000 chars
    experiment_id    string    max:36 chars
    id               string    max:36 chars
    job_tar_stats {
      file_size      integer   between 0 and 9223372036854776000
      sha256_digest  string    max:64 chars
    }
    last_modified    string    max:26 chars
    name             string    max:500 chars
    num_gpu          integer   between 0 and 9223372036854776000
    parent_id        string    max:36 chars
    platform         enum      ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
    result {
      automl_result [{
        Array of object:
          metric string max:100 chars
          value  number
        }]
      categorical [{
        Array of object:
          category_wise_values [{
            Array of object:
              category string max:500 chars
              value    number
            }]
          metric string max:100 chars
        }]
    }
    cur_iter          integer   between 0 and 9223372036854776000
    detailed_status {
      date            string    max:26 chars
      message         string    max:6400 chars
      status          string    max:100 chars
      time            string    max:26 chars
    }
    epoch             integer   between -1 and 9223372036854776000
    eta               string    max:9223372036854776000 chars
    graphical [{
      Array of object:
        metric string max:100 chars
        units  string max:100 chars
        values {
        }
        x_max integer between -9223372036854776000 and 9223372036854776000
        x_min integer between -9223372036854776000 and 9223372036854776000
        y_max number
      }
    }
  }
}

```

```

    y_min    number
  ]]
  key_metric    number
  kpi [{
    Array of object:
    metric string max:100 chars
    values {
    }
  }]
  max_epoch    integer    between 0 and 9223372036854776000
  message      string      max:9223372036854776000 chars
  stats [{
    Array of object:
    metric string max:100 chars
    value  string max:9223372036854776000 chars
  }]
  time_per_epoch    string      max:9223372036854776000 chars
  time_per_iter     string      max:9223372036854776000 chars
}
specs      undefined
status     enum      ALLOWED:Done, Running, Error, Pending, Canceled
sync       boolean
]]
last_modified    string    max:26 chars
license          string    max:1000 chars
logo             string    max:2048 chars
metric           string    max:100 chars
model_params {
}
name             string    max:500 chars
network_arch     enum      ALLOWED:detectnet_v2, unet,
                           classification_tf2, efficientdet_tf2,
                           action_recognition, classification_pytorch,
                           mal, ml_recog, ocdnet, ocrnet,
                           optical_inspection, pointpillars,
                           pose_classification, re_identification,
                           deformable_detr, dino, segformer,
                           visual_changenet, centerpose, auto_label,
                           image, monai_vista3d, monai_vista2d,
                           monai_segmentation, monai_annotation,
                           monai_classification, monai_detection,
                           monai_automl, monai_custom, monai_genai
ngc_path         string    max:250 chars
public           boolean
read_only        boolean
realtime_infer   boolean
realtime_infer_endpoint    string    WRITE-ONLY
                                         max:1000 chars
realtime_infer_model_name    string    WRITE-ONLY
                                         max:1000 chars
realtime_infer_request_timeout    integer    between 0 and 86400
realtime_infer_support    boolean
sha256_digest {
}
spec_file_present    boolean
task                 string    max:1000 chars
train_datasets       [string]  max:36 chars

```



```

    type          enum      ALLOWED:vision, medical
    user_id       string    WRITE-ONLY
                        max:36 chars
    version       string    max:500 chars
  }

```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

4.6 PATCH /api/v1/orgs/{org_name}/experiments/{experiment_id}

Partial update Experiment

Returns the updated Experiment

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment to update

REQUEST BODY - application/json

```

{
  additional_id_info          string      max:100 chars
  automl_settings {
    automl_R                  integer    between 0 and 9223372036854776000
    automl_add_hyperparameters string    max:5000 chars
    automl_algorithm          enum      ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled            boolean
    automl_max_recommendations integer    between 0 and 9223372036854776000
    automl_nu                 integer    between 0 and 9223372036854776000
    automl_remove_hyperparameters string    max:5000 chars
    epoch_multiplier          integer    between 0 and 9223372036854776000
    override_automl_disabled_params boolean
  }
  base_experiment            [string]    max:36 chars
  base_experiment_pull_complete enum      ALLOWED:starting, in_progress, pull_complete,
                                          invalid_pull
  bundle_url                string      max:1000 chars
  calibration_dataset        string      max:36 chars
  checkpoint_choose_method   enum      ALLOWED:latest_model, best_model,
                                          from_epoch_number
  checkpoint_epoch_number {
  }
  cloud_details {
    cloud_file_type          enum      ALLOWED:file, folder

```

```

    cloud_specific_details undefined
    cloud_type enum ALLOWED:aws, azure, gcp, huggingface, self_hosted
  }
  description string max:1000 chars
  docker_env_vars {
  }
  encryption_key string max:100 chars
  eval_dataset string max:36 chars
  inference_dataset string max:36 chars
  is_ptm_backbone boolean
  logo string max:2048 chars
  metric string max:100 chars
  model_params {
  }
  name string max:500 chars
  network_arch enum ALLOWED:detectnet_v2, unet,
classification_tf2, efficientdet_tf2,
action_recognition, classification_pyt, mal,
ml_recog, ocdnet, ocrnet,
optical_inspection, pointpillars,
pose_classification, re_identification,
deformable_detr, dino, segformer,
visual_changenet, centerpose, auto_label,
image, monai_vista3d, monai_vista2d,
monai_segmentation, monai_annotation,
monai_classification, monai_detection,
monai_automl, monai_custom, monai_genai
ngc_path string max:250 chars
public boolean
read_only boolean
realtime_infer boolean
realtime_infer_request_timeout integer between 0 and 9223372036854776000
sha256_digest {
}
spec_file_present boolean
train_datasets [string] max:36 chars
type enum ALLOWED:vision, medical
user_id string max:36 chars
version string max:500 chars
}

```

RESPONSE

STATUS CODE - 200: Returned the updated Experiment

RESPONSE MODEL - application/json

```

{
  actions [enum] ALLOWED:dataset_convert, convert,
convert_efficientdet_tf2, train, evaluate,
prune, retrain, export, gen_trt_engine,
trtexec, inference, batchinfer, augment,
annotation_format_convert, analyze,
validate, generate,
calibration_tensorfile, annotation,
nextimage, cacheimage, notify, auto3dseg
  additional_id_info string max:100 chars
  automl_settings {

```

```

    automl_R integer between 0 and 9223372036854776000
    automl_add_hyperparameters string max:5000 chars
    automl_algorithm enum ALLOWED:bayesian, hyperband
    automl_delete_intermediate_ckpt boolean
    automl_enabled boolean
    automl_max_recommendations integer between 0 and 9223372036854776000
    automl_nu integer between 0 and 9223372036854776000
    automl_remove_hyperparameters string max:5000 chars
    epoch_multiplier integer between 0 and 9223372036854776000
    override_automl_disabled_params boolean
  }
  backbone_class string max:1000 chars
  backbone_type string max:1000 chars
  base_experiment [string] max:36 chars
  base_experiment_pull_complete enum ALLOWED:starting, in_progress,
  pull_complete, invalid_pull
  bundle_url string max:1000 chars
  calibration_dataset string max:36 chars
  checkpoint_choose_method enum ALLOWED:latest_model, best_model,
  from_epoch_number
  checkpoint_epoch_number {
  }
  cloud_details {
    cloud_file_type enum ALLOWED:file, folder
    cloud_specific_details undefined
    cloud_type enum ALLOWED:aws, azure, gcp, huggingface,
    self_hosted
  }
  created_on string max:26 chars
  dataset_formats [enum] ALLOWED:kitti, pascal_voc, raw, coco_raw,
  unet, coco, lprnet, train, test, default,
  custom, classification_pyt,
  classification_tf2,
  visual_changenet_segment,
  visual_changenet_classify, monai
  dataset_type enum ALLOWED:object_detection,
  semantic_segmentation,
  image_classification,
  instance_segmentation,
  character_recognition, action_recognition,
  pointpillars, pose_classification,
  ml_recog, ocdnet, ocrnet,
  optical_inspection, re_identification,
  visual_changenet, centerpose,
  not_restricted, user_custom
  description string max:1000 chars
  docker_env_vars {
  }
  domain string max:1000 chars
  encryption_key string max:100 chars
  eval_dataset string max:36 chars
  id string max:36 chars
  inference_dataset string max:36 chars
  is_ptm_backbone boolean
  jobs [{
  Array of object:
    action enum ALLOWED:dataset_convert, convert,

```

```

convert_efficientdet_tf2, train, evaluate, prune,
retrain, export, gen_trt_engine, trtexec, inference,
batchinfer, augment, annotation_format_convert,
analyze, validate, generate, calibration_tensorfile,
annotation, nextimage, cacheimage, notify, auto3dseg
created_on      string      max:26 chars
description     string      max:1000 chars
experiment_id   string      max:36 chars
id              string      max:36 chars
job_tar_stats {
  file_size     integer     between 0 and 9223372036854776000
  sha256_digest string      max:64 chars
}
last_modified   string      max:26 chars
name            string      max:500 chars
num_gpu         integer     between 0 and 9223372036854776000
parent_id       string      max:36 chars
platform        enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
      metric string max:100 chars
      value  number
    }]
  categorical [{
    Array of object:
      category_wise_values [{
        Array of object:
          category string max:500 chars
          value    number
        }]
      metric string max:100 chars
    }]
  cur_iter           integer     between 0 and 9223372036854776000
  detailed_status {
    date      string max:26 chars
    message   string max:6400 chars
    status    string max:100 chars
    time      string max:26 chars
  }
  epoch           integer     between -1 and 9223372036854776000
  eta             string      max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units  string max:100 chars
      values {
      }
      x_max integer between -9223372036854776000 and 9223372036854776000
      x_min integer between -9223372036854776000 and 9223372036854776000
      y_max number
      y_min number
    }]
  key_metric      number
  kpi [{
    Array of object:
      metric string max:100 chars

```

```

        values {
        }
    ]]
    max_epoch            integer      between 0 and 9223372036854776000
    message              string       max:9223372036854776000 chars
    stats [{
    Array of object:
        metric string max:100 chars
        value  string max:9223372036854776000 chars
    }]
    time_per_epoch       string       max:9223372036854776000 chars
    time_per_iter        string       max:9223372036854776000 chars
}
specs                  undefined
status                enum          ALLOWED:Done, Running, Error, Pending, Canceled
sync                 boolean
}]
last_modified          string       max:26 chars
license                string       max:1000 chars
logo                   string       max:2048 chars
metric                 string       max:100 chars
model_params {
}
name                   string       max:500 chars
network_arch           enum          ALLOWED:detectnet_v2, unet,
classification_tf2, efficientdet_tf2,
action_recognition, classification_pyt,
mal, ml_recog, ocdnet, ocrnet,
optical_inspection, pointpillars,
pose_classification, re_identification,
deformable_detr, dino, segformer,
visual_changenet, centerpose, auto_label,
image, monai_vista3d, monai_vista2d,
monai_segmentation, monai_annotation,
monai_classification, monai_detection,
monai_automl, monai_custom, monai_genai
ngc_path               string       max:250 chars
public                 boolean
read_only              boolean
realtime_infer          boolean
realtime_infer_endpoint string       WRITE-ONLY
max:1000 chars
realtime_infer_model_name string       WRITE-ONLY
max:1000 chars
realtime_infer_request_timeout integer between 0 and 86400
realtime_infer_support boolean
sha256_digest {
}
spec_file_present      boolean
task                   string       max:1000 chars
train_datasets          [string]   max:36 chars
type                   enum          ALLOWED:vision, medical
user_id                string       WRITE-ONLY
max:36 chars
version                string       max:500 chars
}

```

STATUS CODE - 400: Bad request, see reply body for details

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.7 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs

List Jobs for Experiment

Returns the list of Jobs

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
experiment_id	string max:36 chars PATTERN: .	ID for Experiment

QUERY PARAMETERS

NAME	TYPE	DESCRIPTION
skip	int32 between 0 and 2147483647	Optional skip for pagination
size	int32 between 0 and 2147483647	Optional size for pagination
sort	enum ALLOWED: date-descending, date-ascending	Optional sort

RESPONSE

STATUS CODE - 200: Returned list of Jobs

RESPONSE MODEL - application/json

```
[{
  Array of object:
    action enum ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
    train, evaluate, prune, retrain, export, gen_trt_engine,
    trtexec, inference, batchinfer, augment,
    annotation_format_convert, analyze, validate, generate,
    calibration_tensorfile, annotation, nextimage, cacheimage,
    notify, auto3dseg
    created_on string max:26 chars
}
```

```

description      string      max:1000 chars
experiment_id    string      max:36 chars
id               string      max:36 chars
job_tar_stats {
  file_size      integer     between 0 and 9223372036854776000
  sha256_digest  string      max:64 chars
}
last_modified    string      max:26 chars
name             string      max:500 chars
num_gpu          integer     between 0 and 9223372036854776000
parent_id        string      max:36 chars
platform         enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
    metric string max:100 chars
    value  number
  }]
  categorical [{
    Array of object:
    category_wise_values [{
      Array of object:
      category string max:500 chars
      value    number
    }]
    metric  string  max:100 chars
  }]
  cur_iter          integer     between 0 and 9223372036854776000
  detailed_status {
    date    string max:26 chars
    message string max:6400 chars
    status  string max:100 chars
    time    string max:26 chars
  }
  epoch            integer     between -1 and 9223372036854776000
  eta              string      max:9223372036854776000 chars
  graphical [{
    Array of object:
    metric string max:100 chars
    units  string max:100 chars
    values {
    }
    x_max  integer between -9223372036854776000 and 9223372036854776000
    x_min  integer between -9223372036854776000 and 9223372036854776000
    y_max  number
    y_min  number
  }]
  key_metric      number
  kpi [{
    Array of object:
    metric string max:100 chars
    values {
    }
  }]
  max_epoch      integer     between 0 and 9223372036854776000
  message        string      max:9223372036854776000 chars
  stats [{

```

Array of object:

```
metric string max:100 chars
value  string max:9223372036854776000 chars
}]
time_per_epoch      string      max:9223372036854776000 chars
time_per_iter       string      max:9223372036854776000 chars
}
specs               undefined
status              enum        ALLOWED:Done, Running, Error, Pending, Canceled
sync                boolean
```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.8 POST /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs

Run Experiment Jobs

Asynchronously starts a Experiment Action and returns corresponding Job ID

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment

REQUEST BODY - application/json

```
{
  action          enum        ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  description     string      max:1000 chars
  name            string      max:500 chars
  num_gpu         integer     between 0 and 9223372036854776000
  parent_job_id   string      max:36 chars
  platform        enum        ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  specs           undefined
```

RESPONSE

STATUS CODE - 201: Returned the Job ID corresponding to requested Experiment Action

RESPONSE MODEL - application/json

string
max:36 chars

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.9 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}

Retrieve Job for Experiment

Returns the Job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  created_on      string        max:26 chars
  description     string        max:1000 chars
  experiment_id   string        max:36 chars
  id              string        max:36 chars
  job_tar_stats {
    file_size     integer       between 0 and 9223372036854776000
    sha256_digest string       max:64 chars
  }
  last_modified   string        max:26 chars
  name            string        max:500 chars
  num_gpu         integer       between 0 and 9223372036854776000
  parent_id       string        max:36 chars
  platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  result {
    automl_result [{
```

Array of object:

```
metric string max:100 chars
value  number
}]
```

```
categorical [{
```

Array of object:

```
category_wise_values [{
  Array of object:
    category string max:500 chars
    value     number
  }]
metric      string      max:100 chars
}]
cur_iter          integer      between 0 and 9223372036854776000
detailed_status {
  date    string max:26 chars
  message string max:6400 chars
  status  string max:100 chars
  time    string max:26 chars
}
epoch          integer      between -1 and 9223372036854776000
eta            string       max:9223372036854776000 chars
```

```
graphical [{
```

Array of object:

```
metric string max:100 chars
units  string max:100 chars
values {
}
x_max  integer between -9223372036854776000 and 9223372036854776000
x_min  integer between -9223372036854776000 and 9223372036854776000
y_max  number
y_min  number
}]
key_metric      number
```

```
kpi [{
```

Array of object:

```
metric string max:100 chars
values {
}
}]
max_epoch          integer      between 0 and 9223372036854776000
message            string       max:9223372036854776000 chars
stats [{
  Array of object:
    metric string max:100 chars
    value  string max:9223372036854776000 chars
  }]
time_per_epoch     string       max:9223372036854776000 chars
time_per_iter      string       max:9223372036854776000 chars
}
specs              undefined
status             enum        ALLOWED:Done, Running, Error, Pending, Canceled
sync               boolean
```

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.10 DELETE /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}

Delete Experiment Job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment
*job_id	uuid max:36 chars	ID for Job

RESPONSE

STATUS CODE - 200: Successfully requested deletion of specified Job ID

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.11 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}/logs

Get Job logs for Experiment

Returns the job logs

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job Logs

RESPONSE MODEL - text/plain

STATUS CODE - 404: Job not exist or logs not found.

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.12 POST /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:cancel

Cancel Experiment Job or pause training

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment
*job_id	uuid max:36 chars	ID for Job

RESPONSE

STATUS CODE - 200: Successfully requested cancelation or training pause of specified Job ID (asynchronous)

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.13 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:download

Download Job Artifacts

Download the Artifacts produced by a given job

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
------	------	-------------

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job Artifacts

RESPONSE MODEL - application/octet-stream

string
max:1000 chars

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.14 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:log_update

Posts log for the job

Saves recieved content to log file

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action enum ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
train, evaluate, prune, retrain, export, gen_trt_engine,
trtexec, inference, batchinfer, augment,
annotation_format_convert, analyze, validate, generate,
```

```

                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
created_on      string          max:26 chars
description     string          max:1000 chars
experiment_id   string          max:36 chars
id              string          max:36 chars
job_tar_stats {
  file_size      integer        between 0 and 9223372036854776000
  sha256_digest  string         max:64 chars
}
last_modified   string          max:26 chars
name            string          max:500 chars
num_gpu         integer         between 0 and 9223372036854776000
parent_id       string          max:36 chars
platform        enum            ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
result {
  automl_result [{
    Array of object:
      metric string max:100 chars
      value  number
    }]
  categorical [{
    Array of object:
      category_wise_values [{
        Array of object:
          category string max:500 chars
          value     number
        }]
      metric string max:100 chars
    }]
  cur_iter          integer        between 0 and 9223372036854776000
  detailed_status {
    date      string max:26 chars
    message   string max:6400 chars
    status    string max:100 chars
    time      string max:26 chars
  }
  epoch          integer        between -1 and 9223372036854776000
  eta            string         max:9223372036854776000 chars
  graphical [{
    Array of object:
      metric string max:100 chars
      units  string max:100 chars
      values {
      }
      x_max integer between -9223372036854776000 and 9223372036854776000
      x_min integer between -9223372036854776000 and 9223372036854776000
      y_max number
      y_min number
    }]
  key_metric      number
  kpi [{
    Array of object:
      metric string max:100 chars
      values {
      }
    }]
}

```

```

    max_epoch      integer      between 0 and 9223372036854776000
    message        string       max:9223372036854776000 chars
    stats [{
      Array of object:
        metric      string       max:100 chars
        value       string       max:9223372036854776000 chars
    }]
    time_per_epoch  string       max:9223372036854776000 chars
    time_per_iter   string       max:9223372036854776000 chars
  }
  specs            undefined
  status           enum         ALLOWED:Done, Running, Error, Pending, Canceled
  sync            boolean
}

```

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```

{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}

```

4.15 POST /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:publish_model

Publish models to NGC

Publish models to NGC private registry

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment
*job_id	uuid max:36 chars	ID for Job

REQUEST BODY - application/json

```

{
  action          enum         ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  description     string       max:1000 chars
  name            string       max:500 chars
  num_gpu         integer      between 0 and 9223372036854776000
  parent_job_id   string       max:36 chars
  platform        enum         ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  specs           undefined
}

```

```
}
```

RESPONSE

STATUS CODE - 201: Returned the Job ID corresponding to requested Experiment Action

RESPONSE MODEL - application/json

```
string
max:36 chars
```

STATUS CODE - 404: User or Experiment not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

4.16 POST /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:resume

Resume Experiment Job

Resume Experiment Job - train/retrain only

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment
*job_id	uuid max:36 chars	ID for Job

REQUEST BODY - application/json

```
{
  parent_job_id string max:36 chars
  specs         undefined
}
```

RESPONSE

STATUS CODE - 200: Successfully requested resume of specified Job ID (asynchronous)

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```


4.17 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/jobs/{job_id}:status_update

Posts status for the job

Saves recieved content to status file

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID of Experiment
*job_id	uuid max:36 chars	Job ID

RESPONSE

STATUS CODE - 200: Returned Job

RESPONSE MODEL - application/json

```
{
  action          enum          ALLOWED:dataset_convert, convert, convert_efficientdet_tf2,
                                train, evaluate, prune, retrain, export, gen_trt_engine,
                                trtexec, inference, batchinfer, augment,
                                annotation_format_convert, analyze, validate, generate,
                                calibration_tensorfile, annotation, nextimage, cacheimage,
                                notify, auto3dseg
  created_on      string        max:26 chars
  description      string        max:1000 chars
  experiment_id    string        max:36 chars
  id              string        max:36 chars
  job_tar_stats {
    file_size      integer      between 0 and 9223372036854776000
    sha256_digest  string       max:64 chars
  }
  last_modified   string        max:26 chars
  name            string        max:500 chars
  num_gpu         integer       between 0 and 9223372036854776000
  parent_id       string        max:36 chars
  platform        enum          ALLOWED:t4, l4, l40, a10, a30, a40, a100, v100
  result {
    automl_result [{
      Array of object:
      metric string max:100 chars
      value  number
    }]
    categorical [{
      Array of object:
      category_wise_values [{
        Array of object:
        category string max:500 chars
        value    number
      }]
    }]
  }
}
```

```

    metric    string    max:100 chars
  }]
  cur_iter    integer    between 0 and 9223372036854776000
  detailed_status {
    date      string    max:26 chars
    message   string    max:6400 chars
    status    string    max:100 chars
    time      string    max:26 chars
  }
  epoch       integer    between -1 and 9223372036854776000
  eta        string     max:9223372036854776000 chars
  graphical [{
    Array of object:
    metric    string    max:100 chars
    units     string    max:100 chars
    values {
    }
    x_max     integer    between -9223372036854776000 and 9223372036854776000
    x_min     integer    between -9223372036854776000 and 9223372036854776000
    y_max     number
    y_min     number
  }]
  key_metric  number
  kpi [{
    Array of object:
    metric    string    max:100 chars
    values {
    }
  }]
  max_epoch   integer    between 0 and 9223372036854776000
  message     string     max:9223372036854776000 chars
  stats [{
    Array of object:
    metric    string    max:100 chars
    value     string    max:9223372036854776000 chars
  }]
  time_per_epoch    string    max:9223372036854776000 chars
  time_per_iter     string    max:9223372036854776000 chars
}
specs      undefined
status     enum      ALLOWED:Done, Running, Error, Pending, Canceled
sync       boolean
}

```

STATUS CODE - 404: User, Experiment or Job not found

RESPONSE MODEL - application/json

```

{
  error_code integer    between -9223372036854776000 and 9223372036854776000
  error_desc string     max:1000 chars
}

```

4.18 GET /api/v1/orgs/{org_name}/experiments/{experiment_id}/specs/{action}/schema

Retrieve Specs schema

Returns the Specs schema for a given action

REQUEST

PATH PARAMETERS

NAME	TYPE	DESCRIPTION
*org_name	string max:255 chars PATTERN: ^[a-zA-Z0-9_-]+\$	Org Name
*experiment_id	uuid max:36 chars	ID for Experiment
*action	enum ALLOWED: dataset_convert, convert, convert_efficientdet_tf2, kmeans, augment, train, evaluate, prune, retrain, export, gen_trt_engine, trtexec, inference, annotation, analyze, validate, generate, calibration_tensorfile	Action name

RESPONSE

STATUS CODE - 200: Returned the Specs schema for given action

RESPONSE MODEL - application/json

```
{
}
```

STATUS CODE - 404: Dataset or Action not found

RESPONSE MODEL - application/json

```
{
  error_code integer between -9223372036854776000 and 9223372036854776000
  error_desc string max:1000 chars
}
```

