NexusMax PaaS API Document (for external devs)

Create and run application

API End point: /api/create/pipeline

Method: POST

Input Arguments:

Arg	Type	Description	Sample Value
userId	str	UserId for which you want to create the pipeline	"cba49804-3ac2-4cf1-9974-e941f2a8abfe"
modelType	str	Type of ML model	“AutoClassification”
projectName	str	Project name (Existing/ New)	“Project1”
pipelineName	str	Pipeline Name	“Sample Pipeline”
modelName	str	Model Name	“Sample Model”
configPipeline	dict	Configuration param like label for classification and regression type to ML	{"label": "'Channel'"}
tags	dict	Tags to identify the model and pipeline	{"data":"sample Data","date":"28Nov"}
trainData	dict	Dataframe in dict like df.to_dict("records")	[{'City': 'AURORA', 'Product_Category': 'Office Supplies', 'Store_Lat': 39.699065, 'Channel': 'Store'}]

Response:

{'status': True,

'pipelineId': '656499d8c940bba131c69e18',

'userId': 'cba49804-3ac2-4cf1-9974-e941f2a8abfe',

'message': 'Pipeline Created Successfully!'}

Pipeline Execution Status & Get RunID

API End point: /api/get/runid

Method: POST

Input Arguments:

Arg	Type	Description	Sample Value
pipelineId	str	PipelineId from the response of create project API	“656499d8c940bba131c69e18”
tags	dict	Same tags which were used in create project API	{"data":"sample Data","date":"28Nov"}

Response:

If the pipeline is still in execution phase, then it will return a response with message saying model is training else it will give the runID in response.

Get Predictions

API End point: /api/model/predict

Method: POST

Input Arguments:

Arg	Type	Description	Sample Value
userId	str	UserId for which you want to predict the pipeline	"cba49804-3ac2-4cf1-9974-e941f2a8abfe"
modelId	str	RunID from the response of getRunID API	“99b1fd55da104d43bb0317729747babc”
tags	dict	Same tags which were used in create project API	{"data":"sample Data","date":"28Nov"}
testData	dict	Dataframe in dict like df.to_dict("records")	`[{'City': 'AURORA', 'Product_Category': 'Office Supplies', 'Store_Lat': 39.699065, 'Channel': 'Store'}]`

Response:

Test data along with Prediction Value in list of objects format.