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Analytics

Updated 4 September 2026

Operations on analytics resources. 4 endpoints, each relative to `https://api.nxgen.cloud/api/v1` and authenticated as described under [Authentication](#).

POST /analytics/detect

AI Analytics Service

Request body

Analytics Request Parameters

```
{
  "analytics": "string",
  "version": "string",
  "routeName": "string",
  "meta": {
    "useDeviceMetadataBoxes": "boolean",
    "useObjectDetector": "boolean",
    "useMotionDetection": "boolean",
    "useLicensePlateDetection": "boolean",
    "useFaceRecognition": "boolean",
    "personConfidenceThreshold": "number",
    "carConfidenceThreshold": "number",
    "animalConfidenceThreshold": "number",
    "licensePlateConfidenceThreshold": "number",
    "faceConfidenceThreshold": "number",
    "motionThreshold": "integer",
    "motionMinBBoxWidth": "integer",
    "motionMinBBoxHeight": "integer",
    "modality": "string",
    "roi": [
      [
        "integer"
      ]
    ],
    "useHistogramEqualization": "boolean",
    "saveDebugImages": "boolean",
    "carMinArea": "integer",
    "personMinArea": "integer",
    "animalMinArea": "integer",
    "licensePlateMinArea": "integer",
    "faceMinArea": "integer"
  },
  "frames": [
```

```
{
  "imageUrl": "string",
  "meta": {
    "deviceMetadataBoxes": [
      ""
    ]
  }
}
```

Responses

StatusDescriptionBody200Success204No Content401Unauthorized403Forbidden404Not Found

Example 200 response:

```
{
  "dataResult": [
    {
      "eventid": "",
      "personConfidenceThreshold": 0.5,
      "carConfidenceThreshold": 0.5,
      "animalConfidenceThreshold": 0.5,
      "hasPerson": true,
      "hasCar": true,
      "hasAnimal": false,
      "full_frame_detections": [
        {
          "x": 1289,
          "y": 189,
          "width": 235,
          "height": 543,
          "frameIdx": 1,
          "confidence": 0.99912816,
          "label": "person"
        },
        {
          "x": 6,
          "y": 316,
          "width": 440,
          "height": 369,
          "frameIdx": 1,
          "confidence": 0.9997342,
          "label": "car"
        },
        {
          "x": 8,
          "y": 317,
          "width": 436,
          "height": 368,
          "frameIdx": 2,
          "confidence": 0.9997941,
          "label": "car"
        }
      ]
    }
  ],
}
```

```
"device_bboxes": [],  
"motion_locations": []  
},  
],  
"totalRecordsCount": 15  
}
```

POST /analytics/manage

remove Schedule

Request body

Analytics Request Parameters

```
{  
  "type": "string (required)",  
  "action": "string",  
  "oldExpression": "string (required)",  
  "newExpression": "string",  
  "spid": "string",  
  "hierarchyLevel": "string",  
  "hierarchyIds": [  
    "string"  
  ]  
}
```

Responses

StatusDescriptionBody200Success204No Content401Unauthorized

POST /analytics/schedule

config Schedule

Request body

Analytics Request Parameters

```
{  
  "type": "string",  
  "action": "string (required)",  
  "spid": "string (required)",  
  "hierarchyIds": [  
    "string"  
  ]  
}
```

```
],  
  "hierarchyLevel": "string (required)",  
  "expression": "string"  
}
```

Responses

StatusDescriptionBody200Success204No Content401Unauthorized

POST /analytics/update

Update Schedule

Request body

Analytics Request Parameters

```
{  
  "entityType": "string",  
  "entityId": "string",  
  "serviceProviderId": "string",  
  "analyticType": "string",  
  "oldExpression": "string",  
  "newExpression": "string",  
  "isActive": "boolean",  
  "overwriteCustomSchedule": "string",  
  "analyticAction": "string",  
  "runOnce": "boolean"  
}
```

Responses

StatusDescriptionBody200Success204No Content401Unauthorized

Example 200 response:

```
{  
  "isSuccess": true  
}
```