AIAdj API

CIM 一處/二部/品質系統

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1. **Service URL**

* 測試環境：

http://10.53.200.183/api/

* 正式環境：

不同廠區會有不同的API URL

1. **狀態說明**

* Model Status：

0 : Creating/Updating

1 : Created/Updated

2 : Processing

3 : Processed (Offline)

4 : Cancel

5 : Canceled 🡪 0 : Creating/Updating

6 : Pause

7 : Paused

8 : Release

9 : Releasing

10 : Online (Released)

11 : Manual Process End

12 : CopyInitial

13 : Copy

14 : Copying

15 : Restart

* Job Status：

0 : Creating

1 : Created

2 : Processing

3 : Processed

4 : Cancel

5 : Canceled

6 : Pause

7 : Paused

15 : Restart

99 : Error

* AppendStatus：

0 : NoAppend

1 : Append

2 : Appended

1. **型態說明**

* Job Type：

Model : 建模的Job

Testing : 測試模型的 Job

Labeling : 產生Label資料

1. **上傳檔案**

[[回目錄]](#目錄)

* **功能說明：**上傳檔案與圖檔
* **API URL：[ServiceUrl]/Files/UploadFiles?shop=&modelNo=&type=&jobNo=&testAns=**
* **Method：**HTTP POST（編碼為UTF-8）, Content-Type=”multipart/form-data”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @shop |  | (必) 廠別，CF1/TFT1/LCD1…等 |
| @modelNo |  | (必) Model號碼 |
| @type |  | (必) 上傳分類  Training  TrainingLabel  Validation  ValidationLabel  Testing |
| @jobNo |  | (選) Job號碼，若type=Testing則必填 |
| @testAns |  | (選) 是否上傳答案，若type=Testing，且上傳答案則為true |
| Obj\_Upload |  | (必) 上傳檔案，Web Upload Object |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| count | Int | 上傳檔案數量 |
| size | Int | 上傳檔案大小 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Files/UploadFiles?shop=CF1&modelNo=1&type=Training |
| Send : (multipart/form-data) |
| Return : (application/json)  {  "count": 3,  "size": 2346223  } |

1. **下載檔案**

[[回目錄]](#目錄)

* **功能說明：**下載Model檔案
* **API URL：[ServiceUrl]/Files/#?shop=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model號碼 |
| @shop |  | (必) 廠別，CF1/TFT1/LCD1…等 |

* **回傳參數（Stream）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| Obj\_Stream | Stream | 檔案內容 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Files/1?shop=CF1 |
| Send : (application/json) |
| Return : (Stream) |

1. **刪除檔案**

[[回目錄]](#目錄)

* **功能說明：**刪除檔案與圖檔
* **API URL：[ServiceUrl]/Files?shop=&modelNo=&type=&jobNo=&testAns=**
* **Method：**HTTP Delete（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @shop |  | (必) 廠別，CF1/TFT1/LCD1…等 |
| @modelNo |  | (必) Model號碼 |
| @type |  | (必) 上傳分類  Training  TrainingLabel  Validation  ValidationLabel  Testing |
| @jobNo |  | (選) Job號碼，type=Testing則必填 |
| @testAns |  | (選) 是否上傳答案，type=Testing，且上傳答案則為true |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Files?shop=CF1&modelNo=1&type=Training |
| Send : (application/json) |
| Return : (application/json) |

1. **取得上傳檔案資訊**

[[回目錄]](#目錄)

* **功能說明：**取得檔案的數量
* **API URL：[ServiceUrl]/Files?shop=&modelNo=&type=&jobNo=&testAns=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @shop |  | (必) 廠別，CF1/TFT1/LCD1…等 |
| @modelNo |  | (必) Model號碼 |
| @type |  | (必) 上傳分類  Training  TrainingLabel  Validation  ValidationLabel  Testing |
| @jobNo |  | (選) Job 號碼，若type=Testing則必填 |
| @testAns |  | (選) 是否上傳答案，若type=Testing，且上傳答案則為true |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| fileCount | Int | 檔案數量 |
| folderCount | Int | 目錄數量 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Files?shop=CF1&modelNo=1&type=Training |
| Send : (application/json) |
| Return : (application/json)  {  "fileCount": 201,  "folderCount": 0  } |

1. **取得Model**

[[回目錄]](#目錄)

* **功能說明：**取得Model 詳細資料
* **API URL：[ServiceUrl]/Model/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model 號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構（Null） |
| parameter | Structure | Parameter參數資訊的結構（Null） |
| Jobs | Structure | Job資訊的結構（取最新且JobType=Model） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Model/1 |
| Send : (application/json) |
| Return : (application/json)  {  "modelNo": 1,  "modelID": "MD001",  "version": "00002",  "shop": "CF1",  "description": "update model3",  "status": 2,  "updateUser": "wise.shen3",  "updateDT": "2018-02-07T11:50:10",  "createUser": "wise.shen",  "createDT": "2018-02-02T15:00:52",  "priority": 0,  "constraints": null,  "parameter": null,  "jobs": [  {  "jobNo": 1,  "modelNo": 1,  "type": "Model",  "status": 2,  "accuracy": 99.858,  "loss": 0.125,  "processProgress": 1,  "processEndTime": "2018-01-09T12:34:56",  "errMsg": "",  "description": "",  "updateUser": "wise.shen",  "updateDT": "2018-02-07T09:43:18",  "createUser": "Wise.Shen",  "createDT": "2018-02-02T15:00:59",  "history": null  }  ]  } |

1. **取得多筆Model**

[[回目錄]](#目錄)

* **功能說明：**取得Model 資料
* **API URL：[ServiceUrl]/Model?pageSize=&page=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @pageSize |  | (必) 一頁N筆，N = 0 則取得全部 |
| @page |  | (選) 第M頁 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構（Null） |
| parameter | Structure | Parameter參數資訊的結構（Null） |
| Jobs | Structure | Job資訊的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Model?pageSize=10&page=1 |
| Send : (application/json) |
| Return : (application/json)  [  {  "modelNo": 1,  "modelID": "MD001",  "version": "00002",  "shop": "CF1",  "description": "update model3",  "status": 2,  "updateUser": "wise.shen3",  "updateDT": "2018-02-07T11:50:10",  "createUser": "wise.shen",  "createDT": "2018-02-02T15:00:52",  "priority": 0,  "constraints": null,  "parameter": null,  "jobs": null  },  {  "modelNo": 16,  "modelID": "MD001",  "version": "00001",  "shop": "CF1",  "description": "first model",  "status": 2,  "updateUser": "wise.shen",  "updateDT": "2018-02-07T11:48:51",  "createUser": "wise.shen",  "createDT": "2018-02-07T11:48:42",  "priority": 0,  "constraints": null,  "parameter": null,  "jobs": null  }  ] |

1. **新增Model**

[[回目錄]](#目錄)

* **功能說明：新增**Model 資料
* **API URL：[ServiceUrl]/Model**
* **Method：**HTTP Post（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelID | String | (必) Model 名稱 |
| version | String | (必) Model 版本 |
| shop | String | (必) 廠別 |
| updateUser | String | (必) 修改人員 |
| priority | Int | (選) 優先順序（未使用） |
| description | String | (選) 描述說明 |
| status | Int | (選) 狀態，參照Model Status |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構（Null） |
| parameter | Structure | Parameter參數資訊的結構（Null） |
| Jobs | Structure | Job資訊的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Model |
| Send : (application/json)  {  "shop" : "CF1",  "modelID": "M0001",  "version": "00001",  "updateUser": "wise.shen"  } |
| Return : (application/json)  {  "modelNo": 18,  "modelID": "M0001",  "version": "00001",  "shop": "CF1",  "description": "",  "status": 0,  "updateUser": "wise.shen",  "updateDT": "2018-02-08T09:22:21.044+08:00",  "createUser": "wise.shen",  "createDT": "2018-02-08T09:22:12",  "priority": 0,  "constraints": null,  "parameter": null,  "jobs": null  } |

1. **修改Model**

[[回目錄]](#目錄)

* **功能說明：修改**Model 資料
* **API URL：[ServiceUrl]/Model**
* **Method：**HTTP Put（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model No |
| modelID | String | (必) Model 名稱 |
| version | String | (必) Model 版本 |
| Shop | String | (必) 廠別 |
| updateUser | String | (必) 修改人員 |
| priority | Int | (選) 優先順序（未使用） |
| description | String | (選) 描述說明 |
| status | Int | (選) 狀態，參照Model Status |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Model |
| Send : (application/json)  {  "shop" : "CF1",  "modelID": "M0001",  "version": "00001",  "updateUser": "wise.shen"  } |
| Return : (application/json) |

1. **刪除Model**

[[回目錄]](#目錄)

* **功能說明：刪除**Model 資料，相關資料也會刪除
* **API URL：[ServiceUrl]/Model/#**
* **Method：**HTTP Delete（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model 號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Model |
| Send : (application/json)  {  "shop" : "CF1",  "modelID": "M0001",  "version": "00001",  "updateUser": "wise.shen"  } |
| Return : (application/json) |

1. **取得Constraint ( Product資訊 )**

[[回目錄]](#目錄)

* **功能說明：取得**Model的Constraint 資料
* **API URL：[ServiceUrl]/Constraint?modelNo=&prod=&oper=&eqpt=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @modelNo |  | (必) Model 號碼 |
| @prod |  | (選) Product Id |
| @oper |  | (選) Operation Id |
| @eqpt |  | (選) Eqp Id |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| constraintNo | Long | Constraint 號碼 |
| modelNo | Long | Model 號碼 |
| productID | String | 產品 |
| eqpID | String | 機台 |
| operationID | String | 站點 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Constraint?modelNo=1&prod=&oper=&eqpt= |
| Send : (application/json) |
| Return : (application/json)  [  {  "constraintNo": 5,  "modelNo": 1,  "productID": "Prod01",  "eqptID": "AOIH0100",  "operationID": "1351",  "updateUser": "Wise.Shen",  "updateDT": "2018-02-07T11:49:48"  },  {  "constraintNo": 4,  "modelNo": 1,  "productID": "Prod15",  "eqptID": "AOIH0100",  "operationID": "1351",  "updateUser": "wise.shen",  "updateDT": "2018-02-07T11:50:44"  }  ] |

1. **新增Constraint ( Product資訊 )**

[[回目錄]](#目錄)

* **功能說明：新增**Model的Constraint 資料
* **API URL：[ServiceUrl]/Constraint**
* **Method：**HTTP Post（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model 號碼 |
| productID | String | (必) Product Id |
| operationID | String | (必) Operation Id |
| eqptID | String | (必) Eqp Id |
| updateUser | String | (必) 修改人員 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| constraintNo | Long | Constraint 號碼 |
| modelNo | Long | Model 號碼 |
| productID | String | 產品 |
| eqpID | String | 機台 |
| operationID | String | 站點 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Constraint |
| Send : (application/json)  {  "modelNo": 1,  "productID": "Prod01",  "eqptID": "AOIH0100",  "operationID": "1350",  "updateUser": "Wise.Shen"  } |
| Return : (application/json)  {  "constraintNo": 6,  "modelNo": 1,  "productID": "Prod01",  "eqptID": "AOIH0100",  "operationID": "1350",  "updateUser": "Wise.Shen",  "updateDT": "2018-02-08T13:22:12.689+08:00"  } |

1. **修改Constraint ( Product資訊 )**

[[回目錄]](#目錄)

* **功能說明：修改**Model的Constraint 資料
* **API URL：[ServiceUrl]/Constraint**
* **Method：**HTTP Put（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model 號碼 |
| productID | String | (必) Product Id |
| operationID | String | (必) Operation Id |
| eqptID | String | (必) Eqp Id |
| updateUser | String | (必) 修改人員 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Constraint |
| Send : (application/json)  {  "modelNo": 1,  "productID": "Prod01",  "eqptID": "AOIH0100",  "operationID": "1350",  "updateUser": "Wise.Shen"  } |
| Return : (application/json) |

1. **刪除Constraint ( Product資訊 )**

[[回目錄]](#目錄)

* **功能說明：刪除**Model的Constraint 資料
* **API URL：[ServiceUrl]/Constraint/#**
* **Method：**HTTP Delete（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Constraint 號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Constraint |
| Send : (application/json) |
| Return : (application/json) |

1. **取得Parameter**

[[回目錄]](#目錄)

* **功能說明：取得**Model的Parameter 資料
* **API URL：[ServiceUrl]/Parameter/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model 號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model號碼 |
| imageSizeX | Double |  |
| imageSizeY | Double |  |
| forValidationPercent | Double |  |
| customClasses | Double |  |
| trainingEpochs | Double |  |
| snapshotEpochs | Double |  |
| validationEpochs | Double |  |
| batchSize | Double |  |
| leariningRate | Double |  |
| random | Double |  |
| momentum | Double |  |
| Decay | Double |  |
| angle | Double |  |
| saturation | Double |  |
| exposure | Double |  |
| hue | Double |  |
| recallRate | Double |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Parameter/1 |
| Send : (application/json) |
| Return : (application/json)  {  "modelNo": 1,  "imageSizeX": 100,  "imageSizeY": 200,  "forValidationPercent": 10000.1001,  "customClasses": 123456789.98765433,  "trainingEpochs": 1,  "snapshotEpochs": 1,  "validationEpochs": 1,  "batchSize": 1,  "leariningRate": 1,  "random": 1,  "momentum": 1,  "decay": 1,  "angle": 1,  "saturation": 1,  "exposure": 1,  "hue": 1.1,  "recallRate": 1  } |

1. **新增Parameter**

[[回目錄]](#目錄)

* **功能說明：新增**Model的Parameter 資料
* **API URL：[ServiceUrl]/Parameter**
* **Method：**HTTP Post（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model號碼 |
| imageSizeX | Double |  |
| imageSizeY | Double |  |
| forValidationPercent | Double |  |
| customClasses | Double |  |
| trainingEpochs | Double |  |
| snapshotEpochs | Double |  |
| validationEpochs | Double |  |
| batchSize | Double |  |
| leariningRate | Double |  |
| random | Double |  |
| momentum | Double |  |
| Decay | Double |  |
| angle | Double |  |
| saturation | Double |  |
| exposure | Double |  |
| hue | Double |  |
| recallRate | Double |  |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Parameter |
| Send : (application/json)  {  "modelNo" : 1,  "imageSizeX" : 100,  "imageSizeY" : 200,  "forValidationPercent" : 10000.1001,  "customClasses" : 123456789.987654321,  "trainingEpochs" : 1,  "snapshotEpochs" : 1,  "validationEpochs" : 1,  "batchSize" : 1,  "leariningRate" : 1,  "random" : 1,  "momentum" : 1,  "decay" : 1,  "angle" : 1,  "saturation" : 1,  "exposure" : 1,  "hue" : 1.1,  "recallRate": 1  } |
| Return : (application/json) |

1. **修改Parameter**

[[回目錄]](#目錄)

* **功能說明：修改**Model的Parameter 資料
* **API URL：[ServiceUrl]/Parameter**
* **Method：**HTTP Put（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model號碼 |
| imageSizeX | Double |  |
| imageSizeY | Double |  |
| forValidationPercent | Double |  |
| customClasses | Double |  |
| trainingEpochs | Double |  |
| snapshotEpochs | Double |  |
| validationEpochs | Double |  |
| batchSize | Double |  |
| leariningRate | Double |  |
| random | Double |  |
| momentum | Double |  |
| Decay | Double |  |
| angle | Double |  |
| saturation | Double |  |
| exposure | Double |  |
| hue | Double |  |
| recallRate | Double |  |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Parameter |
| Send : (application/json)  {  "modelNo" : 1,  "imageSizeX" : 100,  "imageSizeY" : 200,  "forValidationPercent" : 10000.1001,  "customClasses" : 123456789.987654321,  "trainingEpochs" : 1,  "snapshotEpochs" : 1,  "validationEpochs" : 1,  "batchSize" : 1,  "leariningRate" : 1,  "random" : 1,  "momentum" : 1,  "decay" : 1,  "angle" : 1,  "saturation" : 1,  "exposure" : 1,  "hue" : 1.1,  "recallRate": 1  } |
| Return : (application/json) |

1. **刪除Parameter**

[[回目錄]](#目錄)

* **功能說明：刪除**Model的Parameter 資料
* **API URL：[ServiceUrl]/Parameter/#**
* **Method：**HTTP Delete（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Parameter/1 |
| Send : (application/json) |
| Return : (application/json) |

1. **取得Model的Job**

[[回目錄]](#目錄)

* **功能說明：依Model取得Job**資料
* **API URL：[ServiceUrl]/Job/#?type=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Model號碼 |
| @type |  | (選) 指定 Job Type : Model or Testing |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| modelNo | Long | Model號碼 |
| type | String | Job 型別，參照 Job Type定義 |
| status | Int | Job 狀態，參照 Job Status 定義 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| processProgress | Double | 目前進度 |
| processEndTime | DateTime | 處理完成時間 |
| errMsg | String | 錯誤訊息 |
| description | String | 描述 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改時間 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增時間 |
| model | Structure | Model的結構 |
| history | Structure | Job History的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Job/1?type=Model |
| Send : (application/json) |
| Return : (application/json)  [  {  "jobNo": 1,  "modelNo": 1,  "type": "Model",  "status": 2,  "accuracy": 99.858,  "loss": 0.125,  "processProgress": 1,  "processEndTime": "2018-01-09T12:34:56",  "errMsg": "",  "description": "",  "updateUser": "wise.shen",  "updateDT": "2018-02-07T09:43:18",  "createUser": "Wise.Shen",  "createDT": "2018-02-02T15:00:59",  "model": {  "modelNo": 1,  "modelID": "MD001",  "version": "00002",  "shop": "CF1",  "description": "update model3",  "status": 1,  "updateUser": "wise.shen",  "updateDT": "2018-02-08T11:42:13",  "createUser": "wise.shen",  "createDT": "2018-02-02T15:00:52",  "priority": 1,  "constraints": null,  "parameter": null,  "jobs": null  },  "history": null  }  ] |

1. **取得Job**

[[回目錄]](#目錄)

* **功能說明：依條件取得Job**資料
* **API URL：[ServiceUrl]/Job?finish=&user=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @finish |  | (必) Job是否已完成 |
| @user |  | (選) 指定建立Job的User |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| modelNo | Long | Model號碼 |
| type | String | Job 型別，參照 Job Type定義 |
| status | Int | Job 狀態，參照 Job Status 定義 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| processProgress | Double | 目前進度 |
| processEndTime | DateTime | 處理完成時間 |
| errMsg | String | 錯誤訊息 |
| description | String | 描述 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改時間 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增時間 |
| model | Structure | Model的結構 |
| history | Structure | Job History的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Job?finish=false&user=wise.shen |
| Send : (application/json) |
| Return : (application/json)  [  {  "jobNo": 39,  "modelNo": 47,  "type": "Testing",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": 0.15,  "processEndTime": null,  "errMsg": "",  "description": "",  "updateUser": " wise.shen",  "updateDT": "2018-02-08T16:59:10",  "createUser": "wise.shen",  "createDT": "2018-02-08T16:59:00",  "model": {  "modelNo": 47,  "modelID": "test by wise",  "version": "0.0.1",  "shop": "TFT3",  "description": "",  "status": 1,  "updateUser": "wise",  "updateDT": "2018-02-27T14:32:46",  "createUser": "wise",  "createDT": "2018-02-27T14:31:59",  "priority": 1,  "constraints": null,  "parameter": null,  "jobs": null  },  "history": null  },  {  "jobNo": 38,  "modelNo": 47,  "type": "Model",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": 0,  "processEndTime": null,  "errMsg": "",  "description": "",  "updateUser": "wise.shen",  "updateDT": "2018-02-08T16:53:22",  "createUser": "wise.shen",  "createDT": "2018-02-08T16:53:12",  "model": {  "modelNo": 47,  "modelID": "test by wise",  "version": "0.0.1",  "shop": "TFT3",  "description": "",  "status": 1,  "updateUser": "wise",  "updateDT": "2018-02-27T14:32:46",  "createUser": "wise",  "createDT": "2018-02-27T14:31:59",  "priority": 1,  "constraints": null,  "parameter": null,  "jobs": null  },  "history": null  }  ] |
|  |

1. **新增Job**

[[回目錄]](#目錄)

* **功能說明：新增Job**資料
* **API URL：[ServiceUrl]/Job**
* **Method：**HTTP Post（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model號碼 |
| type | String | (必) Job 型別，參照 Job Type定義 |
| status | Int | (必) Job 狀態，參照 Job Status 定義 |
| updateUser | String | (必) 修改人員 |
| accuracy | Double | (選) 正確率 |
| loss | Double | (選) 錯誤率 |
| processProgress | Double | (選) 目前進度 |
| processEndTime | DateTime | (選) 處理完成時間 |
| errMsg | String | (選) 錯誤訊息 |
| description | String | (選) 描述 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| modelNo | Long | Model號碼 |
| type | String | Job 型別，參照 Job Type定義 |
| status | Int | Job 狀態，參照 Job Status 定義 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| processProgress | Double | 目前進度 |
| processEndTime | DateTime | 處理完成時間 |
| errMsg | String | 錯誤訊息 |
| description | String | 描述 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改時間 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增時間 |
| model | Structure | Model的結構 |
| history | Structure | Job History的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Job |
| Send : (application/json)  {  "modelNo": 7,  "type": "Testing",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": 0.1,  "ErrMsg": "",  "Description": "",  "UpdateUser": "Wise.Shen"  } |
| Return : (application/json)  {  "jobNo": 17,  "modelNo": 7,  "type": "Testing",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": 0,  "processEndTime": null,  "errMsg": "",  "description": "",  "updateUser": "Wise.Shen",  "updateDT": "2018-02-09T11:32:07.4765149+08:00",  "createUser": "Wise.Shen",  "createDT": "2018-02-09T11:31:58",  "model": {  "modelNo": 7,  "modelID": "MD0001",  "version": "1.0.0.0",  "shop": "CF3",  "description": "123456789",  "status": 0,  "updateUser": "Wise.Shen",  "updateDT": "2018-02-09T11:05:08",  "createUser": "Wise.Shen",  "createDT": "2018-02-09T11:04:25",  "priority": 1,  "constraints": null,  "parameter": null,  "jobs": []  },  "history": null  } |

1. **修改Job**

[[回目錄]](#目錄)

* **功能說明：修改 Job**資料
* **API URL：[ServiceUrl]/Job**
* **Method：**HTTP Put（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | (必) Job號碼 |
| modelNo | Long | (必) Model號碼 |
| type | String | (必) Job 型別，參照 Job Type定義 |
| status | Int | (必) Job 狀態，參照 Job Status 定義 |
| updateUser | String | (必) 修改人員 |
| accuracy | Double | (選) 正確率 |
| loss | Double | (選) 錯誤率 |
| processProgress | Double | (選) 目前進度 |
| processEndTime | DateTime | (選) 處理完成時間 |
| errMsg | String | (選) 錯誤訊息 |
| description | String | (選) 描述 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Job |
| Send : (application/json)  {  "jobNo": 27,  "modelNo": 8,  "type": "Model",  "status": 1,  "accuracy": 0.95,  "loss": 0.1,  "processProgress": 1,  "processEndTime": "2018/01/09 12:34:56",  "errMsg": "",  "description": "",  "updateUser": "wise.shen"  } |
| Return : (application/json) |

1. **刪除Job**

[[回目錄]](#目錄)

* **功能說明：刪除 Job**資料
* **API URL：[ServiceUrl]/Job/#**
* **Method：**HTTP Delete（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Job號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Job/1 |
| Send : (application/json) |
| Return : (application/json) |

1. **取得Job History**

[[回目錄]](#目錄)

* **功能說明：取得 Job History**
* **API URL：[ServiceUrl]/JobHistory/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # |  | (必) Job號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| updateDT | DateTime | 修改日期 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/JobHistory/1 |
| Send : (application/json) |
| Return : (application/json)  [  {  "jobNo": 1,  "accuracy": 0.8,  "loss": 0.2,  "updateDT": "2018-02-02T15:01:15"  },  {  "jobNo": 1,  "accuracy": 0.9,  "loss": 0.1,  "updateDT": "2018-02-02T15:01:16"  },  {  "jobNo": 1,  "accuracy": 0.99,  "loss": 0.01,  "updateDT": "2018-02-02T15:01:17"  }  ] |

1. **新增Job History**

[[回目錄]](#目錄)

* **功能說明：新增 Job History資料**
* **API URL：[ServiceUrl]/JobHistory**
* **Method：**HTTP Put（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | (必) Job號碼 |
| accuracy | Double | (必) 正確率 |
| loss | Double | (必) 錯誤率 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| updateDT | DateTime | 修改日期 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/JobHistory |
| Send : (application/json)  {  "jobNo": 1,  "accuracy": 0.8,  "loss": 0.2  } |
| Return : (application/json)  {  "jobNo": 1,  "accuracy": 0.8,  "loss": 0.2,  "updateDT": "2018-02-02T15:01:15"  } |

1. **取得Model History**

[[回目錄]](#目錄)

* **功能說明：取得 Model History資料**
* **API URL：[ServiceUrl]/History/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | Long | (必) Model號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| seq | Long | 流水號 |
| action | String | 動作 |
| modelNo | Long | Model號碼 |
| modelID | String | Model名稱 |
| version | String | Model版本 |
| shop | String | 廠區 |
| description | String | 描述 |
| status | Int | 狀態 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改時間 |
| priority | Int | 優先權 |
| constraintNo | Long | Constraint號碼 |
| productID | String | 產品 |
| eqpID | String | 機台 |
| operationID | String | 站點 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/History/1 |
| Send : (application/json) |
| Return : (application/json)  [  {  "seq": 144,  "action": "create",  "modelNo": 1,  "shop": "CF3",  "modelID": "wise.shen",  "version": "2.0.0.3",  "description": "",  "status": 0,  "updateUser": "dally.lin",  "updateDT": "2018-02-21T13:46:39",  "priority": 1,  "constraintNo": 0,  "productID": "",  "eqptID": "",  "operationID": ""  },  {  "seq": 145,  "action": "update",  "modelNo": 1,  "shop": "CF3",  "modelID": "wise.shen",  "version": "2.0.0.3",  "description": "123",  "status": 1,  "updateUser": "dally.lin",  "updateDT": "2018-02-21T13:47:40",  "priority": 1,  "constraintNo": 0,  "productID": "",  "eqptID": "",  "operationID": ""  }  ] |

1. **取得Testing 結果**

[[回目錄]](#目錄)

* **功能說明：取得 Testing Defect Code位置與大小**
* **API URL：[ServiceUrl]/TestingResult/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | Long | (必) Job號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| url | String | 路徑+檔名 |
| ans | String | 答案 |
| defects | Struct | (下述 -- 欄位) |
| -- code | String | Defect Code |
| -- accuracy | Doublie | 正確率 |
| -- x1 | Int | 座標 |
| -- y1 | Int | 座標 |
| -- x2 | Int | 座標 |
| -- y2 | Int | 座標 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/TestingResult/1 |
| Send : (application/json) |
| Return : (application/json)  [  {  "url": "/Uploads/TFT5/6/Training/F35MT5821716AF730001.jpg",  "ans": "STRP/WR",  "defects": [  {  "code": "STRP/WR",  "accuracy": 0.61,  "x1": 558,  "y1": 609,  "x2": 422,  "y2": 480  }  ]  },  {  "url": "/Uploads/TFT5/6/Training/F35MT5821716AF730002.jpg",  "ans": "STRP/WR",  "defects": [  {  "code": "STRP/WR",  "accuracy": 0.61,  "x1": 558,  "y1": 609,  "x2": 422,  "y2": 480  }  ]  }  ] |
|  |

1. **取得Training 結果**

[[回目錄]](#目錄)

* **功能說明：取得Model Training的Defect Code位置與大小**
* **API URL：[ServiceUrl]/TrainingResult/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | Long | (必) Model號碼 |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| url | String | 路徑+檔名 |
| ans | String | 答案 |
| defects | Struct | (下述 -- 欄位) |
| -- code | String | Defect Code |
| -- accuracy | Doublie | 正確率 |
| -- x1 | Int | 座標 |
| -- y1 | Int | 座標 |
| -- x2 | Int | 座標 |
| -- y2 | Int | 座標 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/TrainingResult/1 |
| Send : (application/json) |
| Return : (application/json)  [  {  "url": "/Uploads/TFT5/6/Training/F35MT5821716AF730001.jpg",  "ans": "STRP/WR",  "defects": [  {  "code": "STRP/WR",  "accuracy": 0.61,  "x1": 558,  "y1": 609,  "x2": 422,  "y2": 480  }  ]  },  {  "url": "/Uploads/TFT5/6/Training/F35MT5821716AF730002.jpg",  "ans": "STRP/WR",  "defects": [  {  "code": "STRP/WR",  "accuracy": 0.61,  "x1": 558,  "y1": 609,  "x2": 422,  "y2": 480  }  ]  }  ] |

1. **取得要建模/測試的Job List**

[[回目錄]](#目錄)

* **功能說明：取得建模Job或測試 Job的資料**
* **API URL：[ServiceUrl]/ServerJob?type=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @type |  | (必) Type : Testing or Model |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| jobNo | Long | Job號碼 |
| modelNo | Long | Model號碼 |
| type | String | Job 型別，參照 Job Type定義 |
| status | Int | Job 狀態，參照 Job Status 定義 |
| accuracy | Double | 正確率 |
| loss | Double | 錯誤率 |
| processProgress | Double | 目前進度 |
| processEndTime | DateTime | 處理完成時間 |
| errMsg | String | 錯誤訊息 |
| description | String | 描述 |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改時間 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增時間 |
| model | Structure | Model的結構（Null） |
| history | Structure | Job History的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/ServerJob?type=Testing |
| Send : (application/json) |
| Return : (application/json)  [  {  "jobNo": 58,  "modelNo": 2,  "type": "Testing",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": null,  "processEndTime": null,  "errMsg": null,  "description": null,  "updateUser": "11106339",  "updateDT": "2018-01-16T09:06:39",  "createDT": "2018-01-16T08:51:12",  "model": null  },  {  "jobNo": 60,  "modelNo": 88,  "type": " Testing",  "status": 1,  "accuracy": 0,  "loss": 0,  "processProgress": "0",  "processEndTime": null,  "errMsg": "",  "description": "",  "updateUser": "wise.shen",  "updateDT": "2018-01-16T17:05:47",  "createDT": "2018-01-16T17:03:24",  "model": null  }  ] |

1. **取得Release/Online/Copy的Model List**

[[回目錄]](#目錄)

* **功能說明：取得Release Model, Online Model, Copy Model的資料**
* **API URL：[ServiceUrl]/ServerModel?status=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| @status |  | (必) Status : Release or Online or Copy |

* **回傳參數（JSON格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構（Null） |
| parameter | Structure | Parameter參數資訊的結構（Null） |
| Jobs | Structure | Job資訊的結構（Null） |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/ServerModel?status=Online |
| Send : (application/json) |
| Return : (application/json)  [  {  "modelNo": 1,  "modelID": "MD001",  "version": "00001",  "shop": "CF3",  "description": "first mode",  "status": 10,  "updateUser": "wise.shen",  "updateDT": "2018-02-12T15:11:46",  "createUser": "wise.shen",  "createDT": "2018-02-12T11:24:16",  "priority": 0,  "constraints": null,  "parameter": null,  "jobs": null  },  {  "modelNo": 12,  "modelID": "wise.shen",  "version": "1.0.0.6",  "shop": "CF3",  "description": "",  "status": 10,  "updateUser": "dally.lin",  "updateDT": "2018-02-12T17:16:22",  "createUser": "dally.lin",  "createDT": "2018-02-12T13:22:11",  "priority": 1,  "constraints": null,  "parameter": null,  "jobs": null  }  ] |

1. **取得Result.csv的Link**

[[回目錄]](#目錄)

* **功能說明：取得Training/Testing Result.csv檔案的Link**
* **API URL：[ServiceUrl]/ResultLink/#?type=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | Long | (必) Job號碼 |
| @type | string | (必) Model / Testing |

* **回傳參數（String格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  | Result.csv Link |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/ResultLink/2?type=Testing |
| Send : (application/json) |
| Return : (application/json)  /Uploads/TFT5/1/Testing/2/result.csv |

1. **取得SSO資訊**

[[回目錄]](#目錄)

* **功能說明：取得 SSO Url 資訊**
* **API URL：[ServiceUrl]/InxSso**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
|  |  |  |

* **回傳參數（String格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| loginPage | String | 登入 |
| logoutPage | string | 登出 |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/ResultLink/2?type=Testing |
| Send : (application/json) |
| Return : (application/json)  {  "loginPage": "http://HP06609P.cminl.oa/InxSSO/Logon.aspx",  "adLoginPage": "http://HP06609P.cminl.oa/InxSSO/AdLogon.aspx",  "verifyUrl": "http://HP06609P.cminl.oa/InxSSO/VerifyTicket.ashx",  "loginPage2": "http://HP06609P.cminl.oa/InxSSO/Logon.aspx",  "adLoginPage2": "http://HP06609P.cminl.oa/InxSSO/AdLogon.aspx",  "verifyUrl2": "http://HP06609P.cminl.oa/InxSSO/VerifyTicket.ashx",  "loginError": "http://HP06609P.cminl.oa/InxSSO/LogonError.aspx",  "logoutPage": "http://HP06609P.cminl.oa/InxSSO/Logout.aspx"  } |

1. **複製Model 資料**

[[回目錄]](#目錄)

* **功能說明：複製Model資料（不含其他操作記錄）**
* **API URL：[ServiceUrl]/Copy**
* **Method：**HTTP Post（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | (必) Model 號碼，要Copy的Model |
| updateUser | String | (必) 修改人員，執行Copy動作的人員 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |

* **回傳參數（String格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構 |
| parameter | Structure | Parameter參數資訊的結構 |
| Jobs | Structure | Job資訊的結構（Null） |
| CopyFrom | Long | Copy From Model No |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Copy |
| Send : (application/json) |
| Return : (application/json)  {  "modelNo": 28,  "modelID": "Model001",  "version": "20180416131730",  "shop": "TFT1",  "description": "test",  "modelServer": "10.53.56.79",  "modelGpu": null,  "status": 12,  "appendStatus": null,  "copyFrom": 21,  "updateUser": "wise.shen",  "updateDT": "2018-04-16T13:17:30.4009438+08:00",  "createUser": "wise.shen",  "createDT": "2018-04-16T13:17:30",  "priority": 1,  "constraints": [  {  "constraintNo": 4,  "modelNo": 28,  "productID": "444",  "eqptID": "111",  "operationID": "333",  "updateUser": "wise.shen",  "updateDT": "2018-04-16T13:17:33.0266812+08:00"  },  {  "constraintNo": 5,  "modelNo": 28,  "productID": "P02",  "eqptID": "E02",  "operationID": "O02",  "updateUser": "wise.shen",  "updateDT": "2018-04-16T13:17:38.4111427+08:00"  }  ],  "parameter": {  "modelNo": 28,  "imageSizeX": 608,  "imageSizeY": 608,  "forValidationPercent": 0.2,  "customClasses": 0,  "trainingEpochs": 50000,  "snapshotEpochs": 1000,  "validationEpochs": 1111,  "batchSize": 64,  "leariningRate": 0.00005,  "random": 0,  "momentum": 0,  "decay": 0,  "angle": 0.3,  "saturation": 1.5,  "exposure": 1.5,  "hue": 0.1,  "recallRate": 0.99  },  "jobs": null,  "defects": null  } |

1. **取得IBW的Model**

[[回目錄]](#目錄)

* **功能說明：取得IBW的Model清單**
* **API URL：[ServiceUrl]/Ibw/#?ip=**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | String | (必) 廠區 |
| ip | String | (必) IBW AP Server IP |

* **回傳參數（String格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構 |
| parameter | Structure | Parameter參數資訊的結構 |
| Jobs | Structure | Job資訊的結構（Null） |
| CopyFrom | Long | Copy From Model No |
| IbwIp | String | IBW AP Server IP |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/Ibw/TFT1?ip=10.53.56.79 |
| Send : (application/json) |
| Return : (application/json)  [  {  "modelNo": 11,  "modelID": "Model0001",  "version": "4.0.0.0",  "shop": "TFT1",  "description": "",  "modelServer": "tnvcimgpu03.cminl.oa",  "modelGpu": null,  "status": 10,  "appendStatus": null,  "copyFrom": null,  "updateUser": "wise.shen",  "updateDT": "2018-04-19T11:22:04",  "createUser": "wise.shen",  "createDT": "2018-03-28T11:24:33",  "priority": 1,  "ibwIp": "10.53.56.79",  "constraints": null,  "parameter": null,  "jobs": null,  "defects": null  }  ] |

1. **取得Online Model Constraint**

[[回目錄]](#目錄)

* **功能說明：取得Online Model的Constraint**
* **API URL：[ServiceUrl]/ModelConstraint/#**
* **Method：**HTTP Get（編碼為UTF-8）, Content-Type=”application/json”
* **輸入參數：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| # | String | (必) 廠區, ex. TFT5 |

* **回傳參數（String格式）：**

|  |  |  |
| --- | --- | --- |
| 參數名稱 | 型態 | 說明 |
| modelNo | Long | Model 號碼 |
| modelID | String | Model 名稱 |
| version | String | Model 版本 |
| shop | String | 廠別 |
| description | String | 描述說明 |
| status | Int | 狀態，參照Model Status |
| updateUser | String | 修改人員 |
| updateDT | DateTime | 修改日期 |
| createUser | String | 新增人員 |
| createDT | DateTime | 新增日期 |
| priority | Int | 優先順序（未使用） |
| constraints | Structure | Constraints產品資訊的結構 |
| parameter | Structure | Parameter參數資訊的結構（Null） |
| Jobs | Structure | Job資訊的結構（Null） |
| CopyFrom | Long | Copy From Model No |
| IbwIp | String | IBW AP Server IP |

* **範例：**

|  |
| --- |
| http://[ServiceUrl]/ModelConstraint/TFT5 |
| Send : (application/json) |
| Return : (application/json)  [  {  "modelNo": 22,  "modelID": "TGF641XXMZ",  "version": "1",  "shop": "TFT5",  "description": "",  "status": 10,  "updateUser": "wise.shen",  "updateDT": "2018-03-19T13:18:28",  "createUser": "jay50.wang",  "createDT": "2018-03-14T15:12:53",  "priority": 1,  "modelServer": null,  "constraints": [  {  "constraintNo": 16,  "modelNo": 22,  "productID": "TGF641XXMZ",  "eqptID": "AOIH11",  "operationID": "F35I",  "updateUser": "jay50.wang",  "updateDT": "2018-03-19T13:38:50"  },  {  "constraintNo": 17,  "modelNo": 22,  "productID": "TGF641XXMZ",  "eqptID": "AOIH14",  "operationID": "F35I",  "updateUser": "jay50.wang",  "updateDT": "2018-03-19T13:38:50"  }  ]  }  ] |