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Document conventions

Style	Description	Example
Danger	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	Danger: Resetting will result in the loss of user configuration data.
Warning	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	Warning: Restarting will cause business interruption. About 10 minutes are required to restart an instance.
Notice	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	Notice: If the weight is set to 0, the server no longer receives new requests.
Note	A note indicates supplemental instructions, best practices, tips, and other content.	Note: You can use Ctrl + A to select all files.
>	Closing angle brackets are used to indicate a multi-level menu cascade.	**Click Settings> Network> Set network type.**
Bold	Bold formatting is used for buttons , menus, page names, and other UI elements.	**Click OK.**
`Courier font`	Courier font is used for commands	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig [-all|-t]`
{} or {a|b}	This format is used for a required value, where only one item can be selected.	`switch {active|stand}`

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1.映像上傳

本文介紹如何將映像上傳到Image Search服務。

背景信息

Image Search提供兩種方式上傳圖片，一種是通過Image Search產品API或者SDK，另一種方式是通過OSSImport工具。

- 如果您僅上傳少量圖片，建議您使用API或SDK方式。詳情請參見新增圖片。
- 如果您是企業級的使用者，或者您需要批量上傳圖片，建議您使用OSSImport工具。具體步驟請參見操作流程。

OSSImport介紹

OSSImport是阿里雲OSS提供的一款將資料移轉至OSS儲存空間（Bucket）的工具。您可以將OSSImport部署在本機伺服器或雲上ECS執行個體內，輕鬆將您本地或其它雲端儲存的資料移轉到OSS。

使用OSSImport上傳圖片具有以下優勢：

- 保持圖片快速更新到Image Search引擎。
- 同一個OSS儲存空間可供不同環境使用，像開發專案，線上專案等。
- 根據業務需要，更好地組織和管理多種圖片的來源。
- 更好地管理複雜環境的專案，例如開發專案，UAT專案等。
- 最佳化使用網路頻寬：一次上傳，多次使用。
- 使用這個工具，您可以將Image Search管理產業化。

圖片限制

- 單張圖片大小不超過4 MB。
- 圖片的長和寬解析度要求大於100小於等於4096。

操作流程

- 步驟一：下載OSSImport工具
- 步驟二：開通Object Storage Service
- 步驟三：建立儲存空間（bucket）
- 步驟四：匯入increment.meta 資料
- 步驟五：授予Image Search服務訪問OSS的許可權。
- 步驟六：上傳圖片

步驟一：下載OSSImport工具

OSSImport有單機模式和分布式模式兩種部署方式。

- 單機模式：當您需要遷移的資料小於30TB時，推薦部署單機模式。您可以將OSSImport部署在任意一台可以訪問待遷移資料的機器上，且可以訪問OSS的機器上。單擊OSSImport下載。
- 分布式模式：當您需要遷移的資料大於30TB時，推薦使用分布式模式。您可以將OSSImport部署在任意多台可以訪問您待遷移資料，且可以訪問OSS的機器上。單擊OSSImport下載。

說明 當您遷移的資料過大時，為了節約時間，您可以將OSSImport部署到與您OSS相同地區的ECS執行個體上，並通過專線將來源資料存放的伺服器掛載到阿里雲VPC網路中。多台ECS執行個體將資料通過內網遷移至OSS，會極大的提升資料移轉效率。

步驟二：開通Object Storage Service

具體操作步驟請參見開通OSS服務進行開通。

步驟三：建立儲存空間（bucket）

具體操作步驟請參見建立儲存空間。

說明 請確保開通的OSS服務以及建立的Bucket與已購買的Image Search服務在同一個地區。

步驟四：匯入increment.meta 資料

在OSS服務中存放圖片的路徑下，建立increment.meta檔案，該檔案用來儲存批量任務相關內容。

說明 increment.meta檔案中涉及的圖片必須和increment.meta檔案在同一路徑下，否則大量操作會失敗。

檔案參考樣本如下：

```
{"OperationType": "ADD","ProductId": "1000","PicName": "girl_cloth1.jpg","CategoryId": 0,"IntAttr": 0,"StrAttr": "value1","CustomContent": "k1:v1,k2:v2,k3:v3","Region": "20,40,60,80"}
{"OperationType": "ADD","ProductId": "1000","PicName": "girl_cloth2.jpg","CategoryId": 0,"IntAttr": 0,"StrAttr": "value2","CustomContent": "k1:v1,k2:v2,k3:v3","Region": "20,40,60,80"}
{"OperationType": "ADD","ProductId": "1001","PicName": "girl_cloth3.jpg","CategoryId": 1,"CustomContent": "k1:v1,k2:v2,k3:v3"}
{"OperationType": "ADD","ProductId": "1002","PicName": "girl_cloth4.jpg","CategoryId": 0,"CustomContent": "k1:v1,k2:v2,k3:v3","Crop": false}
{"OperationType": "ADD","ProductId": "1003","PicName": "girl_cloth7.jpg","CustomContent": "https://www.aliyun.com/imagesearch/girl_cloth7.jpg"}
{"OperationType": "ADD","ProductId": "1003","PicName": "girl_cloth6.jpg","CustomContent": "k1:v1,k2:v2,k3:v3"}
{"OperationType": "DELETE","ProductId": "1004","PicName": "fengyi.jpg"}
{"OperationType": "DELETE","ProductId": "1005"}
```

步驟五：授予Image Search服務訪問OSS的許可權。

1.

步驟六：上傳圖片

1.

執行結果

任務運行完之後，您可以單擊執行個體ID查看任務啟動並執行狀態。

- 如果運行失敗，單擊查看增量歷史獲得詳細資料。更多資訊請參見增量任務提交失敗的原因都有哪些？
- 圖片上傳成功之後，您可以單擊執行個體ID，然後單擊圖片搜尋進行測試。