

IQR Reseller Integration

The requirements to begin sending information to IQR are as follows:

1. API key, which must be unique for each WipeOS Appliance
2. Default "Asset Creator" in IQR
3. The inventory ID field name in WipeOS (Choose a slot in the inventory item menu you would like to be the UID/Inventory ID location)
4. Format of description to be pushed to IQR
5. Format of extended description to be pushed to IQR
6. Format of inventory comments to be pushed to IQR
7. Format of inventory attributes to be pushed to IQR

The workflow for each item is as follows:

1. A technician boots a device into WipeOS (referred to as a 'client' for the purpose of this document).
2. The technician logs in to the client and enters the (inventory ID\UID in WipeOS) into the appropriate field. It must be 100% accurate or the transfer to IQR will not transfer.
3. The technician starts a wipe or diagnostics
4. After the actions are complete, the technician powers down the client.
5. Every 2 minutes, the WipeOS Appliance looks for any clients in its database which meet the following criteria:
 - a. Have never been synced to IQR Reseller
 - b. Have been synced to IQR, but have been updated since
 - c. Have a disk that has had a wipe finish since the machine was last synced to IQR
 - d. Have a new diagnostics log since it was synced to IQR
6. We then filter out those clients who have an invalid Inventory ID (ie: blank inventory ids, special characters, etc)
7. We authenticate with IQR for this session using the API key. This session is only valid for 10 minutes.
8. For each client that we want to sync, we:
 - a. Retrieve the asset from IQR using the Inventory ID
 - b. Build a JSON object of the machine and job in WipeOS
 - c. Map our WipeOS object to several different fields:
 - i. Map the item to "Description" under "Inventory Info" in IQR
 - ii. Map the item to "Extended Description" based on the chassis:
 1. Default, desktop, all-in-one, laptop, MacBook
 - iii. Map diagnostics and wipes to the "Inventory Comments" field
 1. This field is updated only, we cannot remove existing entries
 - d. Get or create a master item
 - i. This is a combination of the manufacturer and model, if it does not exist, we create one

- ii. If we cannot create one, we cannot update the item
- iii. To create a master item, we need the model, manufacturer, asset_creator, category, and description.
- iv. We cannot create categories!
- e. Once we have the master item, we update the extended description
- f. We update the inventory comments, only pushing the new (changed) values
- g. We do not sync the inventory attributes
- h. We attempt to update the item in IQR - This is where we push data to IQR
 - i. If we get a good response, we mark the item as sent
 - ii. If we do not get a good response, we log that it failed, and try again in 2 minutes

The URL for the following is

<https://apps.igreseller.com/Views/Inventory/InventoryView.aspx?invid=413800&Inventory>

Main inventory item:

INVENTORY VIEW			
Item: <input type="text" value="OPTIPLEX 9010"/>		Mfr.: <input type="text" value="DELL"/>	
<input type="checkbox"/> Bulk Item <input type="checkbox"/> CLEI <input type="checkbox"/> BrokenDown <input type="checkbox"/> Built Up <input type="checkbox"/> Part Added <input type="checkbox"/> Parts Removed			
Purchase Info			
PO: <input type="text" value="03250-0108"/>		Date Received: <input type="text" value="3/23/2023"/>	
Vendor Id: <input type="text" value="MORGANCOMM"/>		MORGAN COMMUNITY COLLEGE	
Purchase Date: <input type="text" value="2/28/2023"/>		Purchased By: <input type="text" value="BB"/> Purchase Cost: <input type="text" value="0.0000"/>	
Sales Info			
SO: <input type="text"/>		Rep: <input type="text" value="BB"/>	
Client Id: <input type="text"/>		Invoice Date: <input type="text"/>	
Sale Price: <input type="text" value="0.0000"/>		Sold By: <input type="text"/>	
Sale Date: <input type="text"/>		Reserved By: <input type="text"/>	
Date Reserved: <input type="text"/>		Returned By: <input type="text"/>	
Date Returned: <input type="text"/>			
Inventory Comments		Inventory System Comments	
Memory: PASS Display: PASS Ethernet: PASS Webcam: PASS Microphone: PASS Wipe: PASS Motherboard: PASS		RECEIVED on Mar 23, 2023 by EF The Following Changes were made on Mar 23, 2023 by EF: Location changed from PLT 290 to ALL ItemNumber changed from TBD API to OPTIPLEX 9010 and MFR changed from TBD to DELL on Mar 24 2023 2:03PM by GM The Following Changes were made on Mar 24, 2023 by GM: Location changed from ALL to ws1	
Inventory Attributes <input type="button" value="Serial Numbers"/> <input type="button" value="Images"/> <input type="button" value="Attachments"/>		SO Item Internal Comments	
<div style="text-align: right;"> <input type="button" value="Back"/> <input type="button" value="Save"/> </div>			

Inventory Attributes per item:

IQ Inventory Attribute Selection

Inventory Detail | Inventory Summary

Mark	Item	Description	POID	Line	Serial Number
<input checked="" type="checkbox"/>	OPTIPLEX 9010	OptiPlex 9010 Desktop	3250	108	D09F6Y1

Attributes:

- ☐ R2v3 ATTRIBUTES
- ☐ ALTERATIONS
- ☐ CONDITION
- ☐ DO NOT USE
- ☐ DO NOT USE (1)
- ☐ DO NOT USE (2)
- ☐ Desktop
- ☐ Server
- ☐ LOW PROFILE DESKTOP
 - ☐ Processor_Name
 - ☐ RAM_Capacity
 - ☐ RAM_Type
 - ☐ Device_Product
 - ☐ Device_Serial
 - ☐ Device_Gigabytes
 - ☐ Device_MediaType
 - ☐ USBPorts
 - ☐ NISTMethodTypeReas
- ☐ RACK MOUNT CHASSIS
- ☐ NOTEBOOK

Buttons: Apply to Inventory, Revert, Remove Attributes, Close

The inventory view in IQR looks like this. I have removed the purchase info since this is a real item from a client

Item: CF-33-1 | Mfg: PANASONIC

Purchase Info:
PO: 03308-1905 | Date Received: 7/12/2023
Vendor Id: EVERGY | EVERGY
Purchase Date: 6/20/2023 | Purchased By: BB | Purchase Cost: 0.0000

Sales Info:
SO: | Rep: BB
Client Id: | Invoice Date: |
Sale Price: 0.0000 | Sold By: |
Date Reserved: | Reserved By: |
Date Returned: | Returned By: |

Inventory System Comments:
RECEIVED on Jul 12, 2023 by EF
The Following Changes were made on Jul 12, 2023 by EF:
Location changed from PLT 447 - E79 to A6 - E79
ItemNumber changed from TBD API to CF-33-1 and MFGR changed from TBD to PANASONIC on Jul 31 2023 6:04PM by PFD
Condition code changed from USED to C4 on Jul 31 2023 7:02PM by JW
Location changed from A6 - E79 to PLT 222 on Jul 31 2023 7:02PM by JW

Inventory Info:
Service Fee: 0.0000
Condition: C4 | C Grade - F4
Warehouse: MAIN | Location: PLT 222
Qty: 1 | Serial Number: 0GTTC79291
Unit Cost: 0.0000 | Original Unit Cost: 0.0000
Receive Status: Received | Status: Available
Item Desc: CF-33-1 Tablet
Description: CF-33-1 Tablet | Weight: 0.00
Extended Description: Intel Core i5 7300U 2.80 GHz 2 Cores/16GB/256GB, SSD/None/87%,65%/Year/12.0"/2650/SCREEN PROTECTOR

Buttons: Back, Save

3) The Description info in this field:

Inventory Info

Service Fee	0.0000		
Condition	C4	C Grade - F4	
Warehouse	MAIN	Location	PLT 222
Qty.	1	Serial Number	0GTTC79291
Unit Cost	0.0000	Original Unit Cost	0.0000
Receive Status	Received	Status	Available
Item Desc.	CF-33-1 Tablet		
Description	CF-33-1 Tablet		Weight
			0.00
Extended Description	Intel Core i5 7300U 2.60 GHz 2 Cores/16GB/256GB, SSD/None/67%,65%/Yes/12.0"/2650/SCREEN PROTECTOR		

4) The extended description is right below that:

Inventory Info

Service Fee	0.0000		
Condition	C4	C Grade - F4	
Warehouse	MAIN	Location	PLT 222
Qty.	1	Serial Number	0GTTC79291
Unit Cost	0.0000	Original Unit Cost	0.0000
Receive Status	Received	Status	Available
Item Desc.	CF-33-1 Tablet		
Description	CF-33-1 Tablet		Weight
			0.00
Extended Description	Intel Core i5 7300U 2.60 GHz 2 Cores/16GB/256GB, SSD/None/67%,65%/Yes/12.0"/2650/SCREEN PROTECTOR		

They have theirs as '{Processor}/{Total Ram}/{Drive Size}, {Drive Type}/{Optical Drive}/{Battery Health}/{Webcam}/{Screen Size}'