



Thi rdware

## Physical Inventory Update for QAD

**Readme**

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**Version 2.0**

**18/02/2020**

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## 1. Introduction

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This document contains all essential information for the user to make full use of the Physical Inventory Update Bot. This manual includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the bot.

### 1.1 Overview

Physical inventory is a process of determining that the inventory quantities are exact, or if there are differences in quantity mentioned physically present and that mentioned in the system. Basically, after user is finished with physical inventory, system and physical stock levels must be the same. It is the time consuming and laborious activity.

Thirdware bot automates this process in QAD through Automation Anywhere.

### 1.2 Common Use cases

The physical inventory update process consists of the following steps for execution:

Step Sequence	QAD Menu No.	QAD Menu Description
1	3.16.4	Inventory Balance Freeze
2	3.16.2	Bulk Tag Create
3	36.15.1	CIM Data Upload
4	36.15.2	CIM Data Load Processor
5	36.15.3	CIM Data Load Report/Delete
6	3.16.11	Item Tag Count Entry
7	3.16.21	Inventory Balance Update
8	3.16.4	Inventory Balance Freeze

## 2. Requirements & Prerequisites

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### 2.1 System Requirements

The BOT can be run on a system which can access QAD EE application and does not need any specific system requirements.

### 2.2 Prerequisites

The following software's are required as pre-requisite for the BOT:

- Automation Anywhere Enterprise v11.3.3
- QAD Enterprise Applications EE (**User Role : Instructor**)
- Microsoft Excel 2010 or above

**IMPORTANT NOTE:** The user has to create the tag(s) that is required to be made as a record entry in the QAD Menu - Bulk Tag Create: 3.16.2.

### 2.3 License Management

Access code received through email to be provided in Variable \$ACCESS\_CODE\$ in Task "MasterTask\_PhysicalInventoryUpdate.atmx" before bot execution.

### 2.4 Security Measures

- Valid License is required to run the BOT
- Credentials are accessed from Credential Manager to ensure Unauthorized access

## 3. Getting Started

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### 3.1 Skill Matrix

- MasterTask\_PhysicalInventoryUpdate.atmx - This is a master bot validates prerequisites and creates necessary folder structure and calls the subtasks.
- SubTask\_EmailManagement – This subtask helps in sending the emails upon start, end and error occurrence in any tasks to the recipients specified.
- SubTask\_InventoryBalanceFreeze.atmx - This subtask is where the inventory balance are either made to freeze or unfreeze.
- SubTask\_CIMFileCreation.atmx - This subtask is triggered for creating CIM file from the master input file.
- SubTask\_CIMDataUpload.atmx - This subtask facilitates in loading the CIM file created out of the master input file into QAD.

- SubTask\_CIMDataLoadProcessor.atmx - This subtask helps in loading configurations for processing data from CIM file.
- SubTask\_CIMDataLoadReport&Delete.atmx - This subtask helps in generating reports of processed data with errors and unprocessed data.
- SubTask\_ItemTagCountEntry.atmx - This subtask iterates each record value from the master input file and keys into the item tag count entry screen in QAD.
- SubTask\_InventoryBalanceUpdate.atmx – This subtask updates the balance post processing the data.

### 3.2 Installation Hierarchy

Installer creates the following folder structure with content under the <AA Directory>

- <AA Directory>
  - My Tasks
    - Bot Store
      - Physical Inventory Update For QAD-Thirdware (Folder)
        - ◆ My Tasks(Folder)
          - MasterTask\_PhysicalInventoryUpdate.atmx
          - SubTask\_CIMDataLoadProcessor.atmx
          - SubTask\_CIMDataLoadReport&Delete.atmx
          - SubTask\_CIMDataUpload.atmx
          - SubTask\_CIMFileCreation.atmx
          - SubTask\_EmailManagement.atmx
          - SubTask\_InventoryBalanceFreeze.atmx
          - SubTask\_InventoryBalanceUpdate.atmx
          - SubTask\_ItemTagCountEntry.atmx
        - ◆ Error Folder
          - Logs (Folder)
          - Snapshots (Folder)
        - ◆ Input Folder(Folder)
          - ConfigFile.csv
          - MasterInputFile.xlsx
          - Cim2000.xla
        - ◆ My Scripts
          - KillProcess.vbs

### 3.3 Quick Start

- Download the bot from Bot Store.
- Double click on *Physical Inventory Update for QAD-Thirdware.msi* and follow the installation instructions. For first time users, the “Bot Store” folder is created under <AA Directory>/My Tasks (on your local disk).

## 3.3.1 Setup

- Please set up below configuration files in the appropriate path
- <AA Directory>
  - My Tasks
    - Bot Store
      - Physical Inventory Update For QAD-Thirdware (Folder)
        - ◆ Input Folder(Folder)
          - ConfigFile.csv
          - MasterInputFile.xlsx
          - Cim2000.xla

## 3.3.2 Configuration

### 1. General Config File (ConfigFile.csv)

Parameter	Description
Master Input File Path	Contains the input file path
QAD Application Path	Contains the QAD EE application path
From-email-address	Contains the senders email address
To-email-address	Contains the recipients email address
QAD Log-on Name	Consists of the logon environment name for QAD
QAD Workspace	Consists of the workspace name for QAD
Unix Server	Consists of the server URL
Port No.	Consists of the port no. of server
Unix Directory	Comprises of the QAD home directory path
CIM File Name	Comprises of the CIM file name
CIM Data Upload	Comprises of the QAD Menu Key for CIM Data Load
CIM Data Load Processor	Comprises of the QAD Menu Key for CIM Data Load Processor
CIM Data Load Report/Delete	Consists of the QAD Menu Key for CIM Data Load Report/Delete
Inventory Balance Update	Consists of the QAD Menu Key for Inventory Balance Update
Inventory Balance Freeze	Consists of the QAD Menu Key for Balance Freeze

Parameter	Description
Item Tag Count Entry	Consists of the QAD Menu Key for Item Tag Count Entry
CIM Execution	The user needs to specify - Y or N for executing the bot in CIM load method or not.
Master Input File Execution	The user needs to specify - Y or N for executing the bot in excel iteration method or not.

### 2. Input File (MasterInputFile.xlsx)

Column	Description
Tag Number	The tag no. that needs to be loaded into QAD needs to be specified
Site	The site that the tag belongs to, which needs to be loaded into QAD needs to be specified
Location	The location that the tag belongs to, which needs to be loaded into QAD needs to be stated
Item Number	The item no. that the tag belongs to, which needs to be loaded into QAD needs to be mentioned
Lot Serial	The lot serial that the tag belongs to, which needs to be loaded into QAD needs to be specified
Ref	The reference for the tag which needs to be loaded into QAD needs to be stated
Quantity	The quantity of the item in the tag which needs to be loaded into QAD needs to be mentioned
UOM	The unit of measure for item of the tag which needs to be loaded into QAD needs to be specified
Count Conv	The count of conversion for item of the tag which needs to be loaded into QAD needs to be specified
Counted By	The details of the user who counted the items should be stated.
Date Counted	The date when the items were counted by the user has to be mentioned.
Remarks	If there are any remarks for the tag that is required, it has to be specified in this field.

*Note: The first row consists of the QAD menu key for the screen to which the CIM file is created and the second row contains the program name that has to be executed for uploading the above mentioned data into the appropriate fields in QAD.*

### 3. Add-In File (Cim200.xla)

This is an add-in file that is required for converting the master input file into the CIM file that can be loaded into QAD.

## 4. Logs

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Error folder contains the below hierarchy.

- Error Folder
  - Logs
    - Error Logs Month\_Day\_Year.txt: In case of any error, this file logs error message along with time stamp.
  - Snapshots
    - Error Snap Month\_Day\_Year.png: In case of any error, this file captures screenshot of error.

- Task Status of bot is set to “failed” in case of error.



## 5. Troubleshooting & Support

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### 5.1 Support

Do you need any support to configure or running of the BOT?



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### 5.2 FAQs

## Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
<b>1</b>	<b>1.0</b>	<i>December 09, 2019</i>	<i>Gugesh Shankar</i>	<i>Base version</i>
<b>2</b>	<b>2.0</b>	<i>February 18, 2019</i>	<i>Gugesh Shankar</i>	<i>Updated with user role</i>

## Appendix B: Acronyms

No.	Acronym	Description
<b>1</b>	<i>AA</i>	<i>Automation Anywhere</i>
<b>2</b>	<i>CIM</i>	<i>Computer Input Method</i>

## Appendix C: References

No.	Topic	Reference Link
1	How to Create a Credential in Credential Vault?	Click <a href="#">here</a>