# SAP Purchase Requisition Creation for OpsVeda identified Orders at Revenue Risk

## Readme

**Version 1.0**

**11th January 2021**

# Table of Contents

# 1.    Introduction

This document contains all essential information for the user to make full use of this A2019 SAP Purchase Requisition Creation for OpsVeda detected Orders at Revenue Risk Bot. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the Bot.
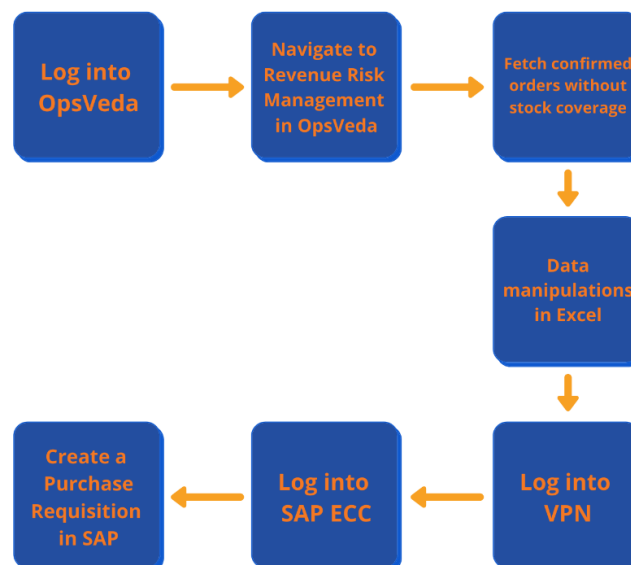
## 1.1    Overview

This bot takes the details of orders that cannot be serviced due to insufficient stock position as detected by OpsVeda based on the demand-supply match/ soft allocation, checks lead time requirements using Microsoft Excel and finally creates a purchase requisition in SAP.
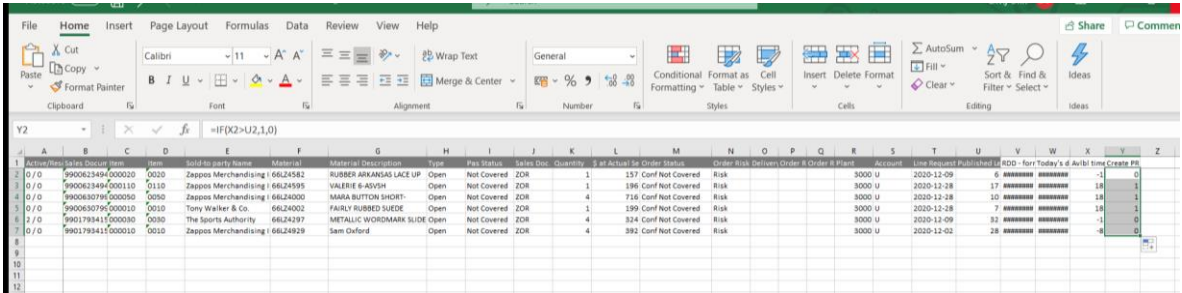
**Detailed Steps:**

1. Log in to OpsVeda.
2. Navigate to Revenue Risk Management section of OpsVeda and drill-down to the orders that are confirmed but have no stock coverage. Download the filtered orders to Microsoft Excel.
3. In Microsoft Excel separate orders with materials that have sufficient lead time vis-à-vis required delivery date.
4. Log in to Cisco AnyConnect VPN.
5. Log in to SAP ECC.
6. Create Purchase Requisition in SAP ECC for identified materials for required quantity.
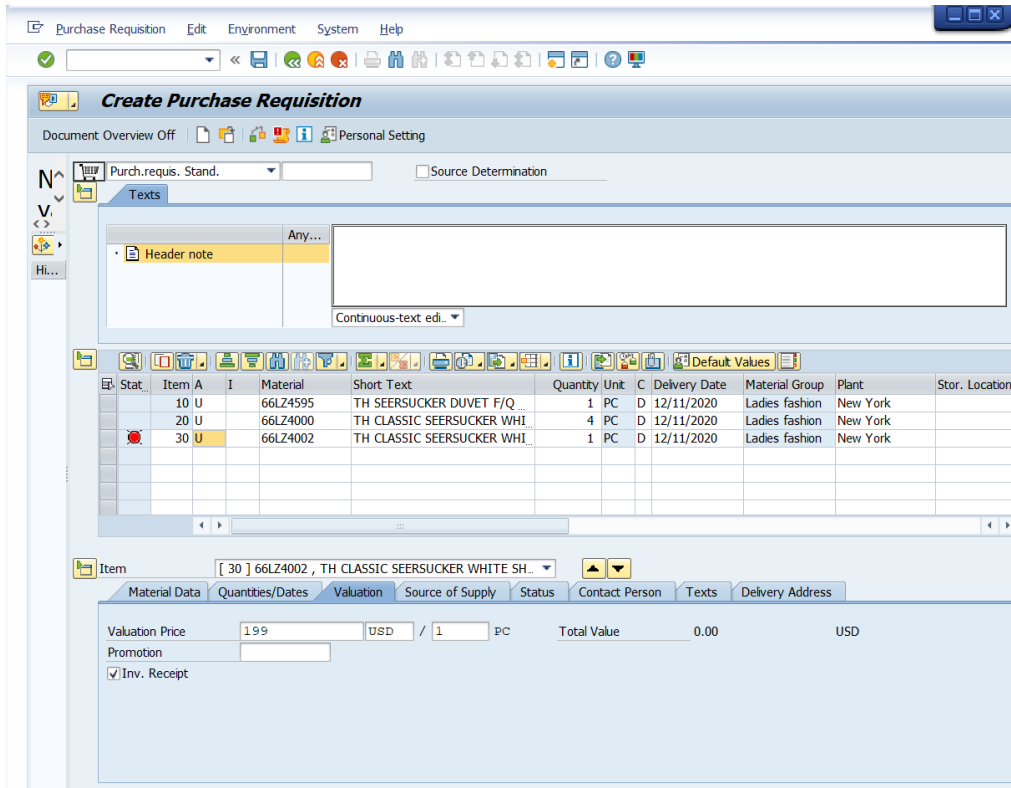
**Flow Diagram:**

## Sample Input and Output:

- *User Generated Input:* Other than the configuration file, the bot requires no input from the user (for more details on the configuration file, see section 3.1.2)

- *Intermediate file* (auto-generated by the Bot after OpsVeda Task):



- *Sample Output* (SAP Purchase Requisition):

## 1.2  Use cases

This bot can be used for:

1. Lost sales avoidance
2. Improved sales operations productivity
3. Increasing agility in supply chain operations

# 2. Requirements & Prerequisites

## 2.1 System Requirements

**Enterprise A2019 (Cloud deployed) and Community Edition device requirements**.
Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Enterprise A2019 (Cloud deployed) or Community Edition user on your local machine.

## 2.2 Prerequisites

- Software needed:

    o SAP Logon 740
    o Cisco AnyConnect Secure Mobility Client (User Interface)
    o Google Chrome internet browser
    o Microsoft Office Excel

- Accounts needed:

    o OpsVeda Login details
    o SAP Logon
    o Cisco AnyConnect Login details

# 3.    Getting Started

## 3.1    Quick Start

### 3.1.1    Setup

Before the bot can be deployed, you need to ensure that you have the following external accesses in place:

- OpsVeda Login details
- SAP Logon
- Cisco AnyConnect Login details (if SAP is behind a separate VPN)

In case you are not a current OpsVeda user or do not have access to OpsVeda (or OpsVeda's demo system) please contact us (https://opsveda.com/contact/) so we can help you get set up.

### 3.1.2    Configuration and Use

## Step 1: Setup up Credentials in the A2019 Control Room

In order to keep sensitive information like usernames, passwords, server addresses secure – store all such information in A2019 Control Room's Credential Vault.

Follow the step-by-step instructions below to set up the required credentials for OpsVeda, SAP Logon and Cisco AnyConnect in the Credentials Vault:

- o    Make sure the appropriate AA user (a bot runner) has the "Locker Consumer" role assigned to it.
- o    Create a Locker with the name "MAIN".
- o    Create the following credentials with the exact names and move them to the "MAIN" locker:

| Locker Name | Credentials Name | Attribute Name | Value |
|---|---|---|---|
| MAIN | Cisco Anyconnect VPN | | VPN Host address<br>username<br>password |
| | OpsVeda | | Username<br>Password |
| | SAP Logon 740 | | Username<br>Password |

<u>NOTE</u>: Please make sure both your credential and value names are *exactly the same* as the ones given in the table above.

## Step 2: Configure Parameters using an external config.xml file

### Config.xml File Path (Cannot be changed):

C:\ProgramData\AutomationAnywhere\config\config.xml

<u>NOTE</u>: The config file contains parameters that the bot ingests during runtime. The parameters are user specific and need to be configured before the bot is run.

### Sample Config File (All fields are mandatory):

```xml
<?xml version="1.0"?>
<opsveda>
<environment name ="chrome">
        <path>C:\Program Files\Google\Chrome\Application\chrome.exe</path>
        <pathparams>--new-window https://opvcloud.opsveda.com/OpsVeda_new</pathparams>
        </environment>
<environment name ="excel">
        <path>C:\Users\     \Desktop\BOT\Month Revenue Potential-C Not Covered_Risk _ Conf Not Covered_12102020 12_12_04.xlsx</path>
        </environment>
<environment name ="ciscoVPN">
        <path>C:\Program Files (x86)\Cisco\Cisco AnyConnect Secure Mobility Client\vpnui.exe</path>
        </environment>
<environment name ="SAP">
        <pathexcel>C:\Users\     \Desktop\BOT\Month Revenue Potential-C Not Covered_Risk _ Conf Not Covered_12102020 12_12_04.xlsx</pathexcel>
        <pathsap>C:\Program Files (x86)\SAP\FrontEnd\SAPgui\saplogon.exe</pathsap>
        <guiname>VSD</guiname>
        <identifier>800</identifier>
        <lang>EN</lang>
        </environment>
</opsveda>
```

**Mandatory fields for Configuring the Bot (need to be entered in C:\ProgramData\AutomationAnywhere\config\config.xml) –**

| Mandatory Config Fields (Config.xml) | | |
|---|---|---|
| *Environment name* | *Name* | *Purpose* |
| *chrome* | *path* | Local path to where Google Chrome is installed |
| | *pathparams* | <u>DO NOT CHANGE THIS FIELD</u>: Keep default value of: "--new-window https://opvcloud.opsveda.com/OpsVeda_new" |
| *excel* | *path* | Local path to the file downloaded by the bot after executing the OpsVeda RRM step |
| *ciscoVPN* | *path* | Local path to where Cisco AnyConnect Mobility client is installed |
| *SAP* | *pathexcel* | Local path to the file downloaded by the bot after executing the Excel Ops Step (usually the same as "path" under environment name excel but can be different) |
| | *pathsap* | Local path to where SAP GUI is installed |
| | *guiname* | GUI Name (SAP) |
| | *identifier* | Identifier Number (SAP) |
| | *lang* | Language (Default is EN) |

After completing all of the above steps, you can begin using your Bot!

<u>NOTE</u>: All error logs/snapshots can be accessed at this location on your machine (auto-generated by the bot):
C:\ProgramData\AutomationAnywhere\BotRunner\Logs\RevenueRiskToSAPPurchaseReq-OpsVeda

# 4. Support & FAQs

## 4.1 Support

Licensed OpsVeda users, please get in touch with your OpsVeda customer success manager.

You can also directly reach out to support@opsveda.com.

Additional guidance, tips & tricks, and automation capabilities can be found at knowledge.opsveda.com.

Free bots are not officially supported.   You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on APeople – the Bot Building Forum, the Bot Store Support Forum, or the Developers Everywhere Group.
- Automation Anywhere also provides a Product Documentation portal which can be accessed for
  more information about our products and guidance on Enterprise A2019.

## 4.2 FAQs

o  What can I do if I am not an existing OpsVeda user?
  o  To get started, or to learn more about OpsVeda, contact us here
     (https://opsveda.com/contact/) so we can help you get set up.
o  I get an error when the Bot tries to manipulate the Excel File before executing the SAP step.
   What can I do?
  o  The version 1.0 release of the bot performs excel operations using mouse clicks. One
     reason why you might be running into this issue could be your Mircosoft Excel Zoom
     settings. Please set your default zoom level to 70% and try again.
o  Can I use any other VPN Service provider?
  o  The version 1.0 release only supports Cisco AnyConnect Mobility Client.

For questions relating to Enterprise A2019:  See the Enterprise A2019 FAQs.

# Appendix A: Record of Changes

| No. | Version Number | Date of Change | Author | Notes |
|---|---|---|---|---|
| *1* | *1.0* | *11<sup>th</sup> January 2021* | *OpsVeda* | *Version 1 Release* |

# Appendix B: References

| No. | Topic | Reference Link |
|-----|-------|----------------|
| 1 | Overview of Enterprise A2019 | Click here |
| 2 | Guidance:  Building basic A2019 bots | Click here |
| 3 | Guidance:  Building A2019 action packages | Click here |
| 4 | APeople Community Forum | Click here |
| 5 | Automation Anywhere University | Click here |