**SAP Ariba Cloud Integration Tool Kit (ITK) : FAQ for Spend Analysis**

* **What is the ITK and how does it work?** 
  + The SAP Ariba Integration Toolkit (ITK) is a command line utility for transferring data in the form of comma-separated value (CSV) files in batch mode to your SAP Ariba site. The ITK is a simple HTTP client that resides on a local computer behind your firewall and runs on Microsoft Windows or UNIX and transfers data to your SAP Ariba site in MIME/multipart format using an HTTPS forms post. By setting parameters in the ITK configuration “options” file, you provide required properties such as, the location of the data file(s) to be transferred, authentication information, and the SAP Ariba service host URL to post the data to, in order to accomplish the data transfer.
  + The SAP Ariba Cloud Service application validates the properties you specify and performs shared secret authentication. If authentication fails, the SAP Ariba application returns an error. If authentication is successful, the SAP Ariba application processes the data import and sends a response to the SAP Ariba Integration Toolkit to indicate the success or failure of the transfer.
* **What are the hardware/software or other minimum requirements needed for the ITK?**
  + The ITK may be installed either on a Windows or a UNIX-based system
  + The ITK hardware requirements are very basic however, the machine running the ITK must be able to:
    - Access the Internet
    - Access the SA Extracts (locally or on a remote machine)
    - Run the Java Runtime Environment (JRE) minimum version JRE 1.6.20+
  + Java Runtime Environment (JRE) minimum version JRE 1.6.20+ must be installed
* **How to download the latest Cloud Integration (Integration Tool Kit – ITK) jar file?**
  + At least one user will need Designated Support Contact (DSC) access to SAP Ariba Connect site<https://connectsupport.ariba.com/sites#item-view&/116093> todownload the latest Cloud Integration (Integration Tool Kit – ITK) jar file
* **Where can one download the latest “SAP Ariba integration toolkit guide” from?**
  + <https://help.sap.com/viewer/d066a90ef618101499ccd55dc3c29025/2108/en-US/d06ce19af6181014ae28e529abace9ce.html>
* **What is the encryption logic used by the encryption key in the ITK tool?**
  + The logic that the key uses is Triple Data Encryption Algorithm (3DES) with three distinct 56 bit keys.
* **Can the ITK be installed on the SAP Netweaver PI?**
  + Yes. If you already have the SAP Netweaver PI set up for other SAP Ariba modules solutions such as Procure To Pay, it would make more sense to deploy the ITK on the Netweaver PI for the SA uploads as well, so that all of it is in one environment as against having to maintain two separate environments.
* **Is the ITK Open Source**
  + No it is not open source.
* **Does SAP Ariba support SFTP transfer for uploading data files into Spend Analysis?**
  + No, for Spend Analysis uploads we do not support transferring of the data files via SFTP.
* **Can CIG (Cloud Integration Gateway) be used for data file uploads to Spend Analysis?**
  + Currently the CIG does not support data file uploads to Spend Analysis.
* **What is the file size limit for a data file upload to Spend Analysis via the ITK?**
  + The limit on file size for a data file upload to Spend Analysis using the ITK is believed to be 100 MB for a zip file and 2 GB for each individual csv file within the zip file. That said, as the zip file size tends to get closer to 100MB, issues with the file transfer have been reported.
* **Can currency conversion rate files be transferred via the ITK tool?**
  + Yes, it can be sent as a separate ITK transfer for just the rates file, (Note: you would then need to download it and import it via the Data Import/Export feature).
* **If we have purchased SAP Ariba Data Transformation Services, can we still use the ITK to post our raw files (not in the correct data schema format) to Analysis for Ariba to transform them?**
  + Yes
* **Can the “From” e-mail address and the “Notify” email address be changed per Source System?**
  + The ITK needs to be configured per Source System so if desired you can send ITK e-mail notifications from a different e-mail address to different recipients per source system.
* **What are the common issues seen with running the ITK?**
  + Most problems with the ITK are related to referencing incorrect directory/file paths so double check all path references, file names, and casing. Unwanted white space is usually the problem.
* **Sample errors and possible causes:**
  + “Throwable caught: Authentication Failure- Invalid Integration Password or Authentication mode is of type Certificate”
    - Check that the Shared Secret value (Integration Password) set on the site’s Integration Toolkit Security is correct and matches the plain English (pre-enrcryption) value used in the integrationPasswordKeyPath parameter that was set in step 8) e.) of the “1-ITK-Installation-Configuration-For-SpendAnalysis.docx”.
  + “(ariba.filetransferclient.Util:ERROR): A passed parameter string may have been encrypted using the default key. Please encrypt using the customer key”
    - encryptionKeyPath or integrationPasswordKeyPath has not been set correctly. Please go through and check steps 8) d.) and 8) e.) in “1-ITK-Installation-Configuration-For-SpendAnalysis.docx” again.
  + “data transfer failed, response =Bad Request” “AnalysisError Realm …an user’s realm null do not match”
    - Check the value of the url that the file transfer is being posted to, an incorrect url can lead to this error.

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