

SysTools Import

[File System Emails \(EML\) to G Suite](#)

Primary Objective

As a User, I should be able to import EML files into G Suite.

Prerequisites

- The source folder should have read permission.
- Bandwidth should be minimum 10 Mbps.
- Proxy Settings should not block the network call.
- Antivirus should not block the application.
- The destination account should be present at the destination domain.
- The destination domain should have email write permissions granted on the google console project.
- Client ID and p12 must be provided.
- Selected source file should not be used by other application.

Features

Feature Point	Status	Description
Demo Version License	2 User Allowed	
Folder Structure	Original Structure Maintained	
Unicode character Names For Folders	Supported	
Special Characters / Foreign Language Names For Folders	Supported	
Folder Name Existing conflicts	Supported	It should be mapped with Existing Folder.
Trash	Supported	
Subject, To, Multiple To, Cc, Multiple Cc, Bcc , Multiple Bcc	Supported	
Categories	Not Supported	
Read/Unread Status	Not Supported	
Mail Attachments	Supported	25 MB
Mail Timestamp Retention	Supported	Mail Sent/Received times maintained.
Drafts Timestamp Retention	Supported	
Maximum Mail Size	Supported	25 MB
Importance (High, Normal, Low)	Supported	
Plain Body	Supported	
HTML Body	Supported	
Calendar Invitation	Supported	
Foreign Language Subject, Body, Attachment name	Supported	
Follow Up Flags	Not Supported	
Junk Email	Supported	
Folder Name Length	Supported	244 character

[File System Contacts \(VCF\) to G Suite](#)

Objective :

As an User, I should be able to Import File System Contacts (VCF) into G Suite Contacts .

Prerequisite :

- Google project must be created to get a Client ID and P12 file.
- Google people API must be enable in Destination google projects.
- File should not be open in other application.
- The Source folder should be having reading permissions.
- Antivirus should not block the application.
- Network speed should be 100 Mbps.

Features :-

Feature Point	Status	Description
Demo Version License	Supported	2 Users
Special Characters / Foreign Language Names For Folders	Supported	
Contact Fields Length Except Notes	Supported	1024 Characters
Multiple Email Addresses	Supported	
Phone <ul style="list-style-type: none">• Home• Work• Mobile• Pager• Other• Home Fax• Business Fax	Supported	
Phone <ul style="list-style-type: none">• Google Voice• Main	Not Supported	
Multiple Phone Numbers	Supported	
IM address	Supported	
Work <ul style="list-style-type: none">• Job title• department• Company Name• Office Location	Supported	
Note	Supported	
Profile Photo	Supported	
Personal Info - <ul style="list-style-type: none">• First Name• Last Name• Suffix• Prefix	Supported	
Address <ul style="list-style-type: none">• Business• Home• Other	Supported	

Multiple Address <ul style="list-style-type: none"> • Business • Home • Other 	Supported	
Other : <ul style="list-style-type: none"> • Nick name • Birthday 	Supported	
Relationship <ul style="list-style-type: none"> • Child • Spouse • Assistant • Hobby • Manager • Referred By 	Supported	
Relationship <ul style="list-style-type: none"> • Brother • Mother • Parent • Relative • Partner • Friend • Father • Domestic Partner • Sister 	Not Supported	
Website: <ul style="list-style-type: none"> • Work • Blog • Home Page • Profile 	Supported	
File As	Not Supported	
Chat <ul style="list-style-type: none"> • Google talk • AIM • Yahoo • Skype • QQ • ICQ • Jabber • MSN 	Not Supported	
Foreign Language Contact Name	Supported	
Foreign Language Email Address	Supported	
Foreign Language in Contact Body	Supported	
Delta Migration	Supported	
Custom Internet Call & Internet Call	Supported	
HTML Body/RTF Body	Not Supported	

API

The application is using the Google People API version 3.0.

<https://developers.google.com/contacts/v3/>

File System Calendars(ICS) to G Suite

Primary Objective

As an User, I should be able to import Filesystem Calendar (ICS) file into G Suite Calendars.

Prerequisite :

- G Suite destination admin must have access to Google APIs.
- Google project must be created to get a Client ID and P12 file.
- Domain-wide scopes must be provided for destination domains.
- Source File should not be open in other application.
- The Destination domain should be having **Write** permissions.
- Antivirus should not block the application.
- Network speed should be 100 Mbps.
- Calendar API should be enabled at GCP.
- Source File should have **Read** permission .

Features :-

Features	Status	Description
Demo Limitation	Supported	Max 2 user mailboxes
Folder Structure	Not Supported	
Folders	Supported	
Delta Migration	Supported	All files will get scanned for Delta Migration and Only new file will get imported.
Folder Name Length	Supported	254 characters
Special Characters / Foreign Language Names	Supported	
Special Characters / Foreign Language Names for Folders	Supported	
Recurrence	Supported	
Attendees	Supported	
Notification	Supported	
Time Zone Mapping	Supported	
All Day Event	Supported	
Description	Supported	
Attendees Acceptance Status	Not Supported	
Status	Supported	
Visibility	Supported	
Resources	Supported	
Hidden Calendars	Not Supported	
Trash	Supported	
Inline Attachments	Not Supported	
Organizer	Supported	
Event Subject	Supported	
Event Date Time	Supported	

All Version ICS Files	Supported	
Categories	Not Supported	

API Details:

We use Google Calendar API V3 for the reading .

<https://developers.google.com/calendar/>

File System Documents to G Suite

Primary Objectives

As a User, I should be able Import the File System Documents to Google Drive.

Prerequisites

- The destination account should be present at destination domain.
- The destination domain should be having Files.Readwrite permissions granted on the google console project.
- Source folder must be granted with reading permission.
- Source File should not be open in any other application.
- Google Drive must be enabled for the destination user.
- Client ID and P12 file must be provided.
- Minimum network bandwidth should be 100 mbps.
- Antivirus Should not block the Application.
- In Source under Username Folder **Document** folder should be present & all Files / Folders should be stored in that particular folder.

Features

Feature Point	Status	Description
Demo Version License		2 Users
Folder Structure	Supported	Folder Structure Maintained as per local NTFS
Max Path Length	Not Applicable	Not Applicable incase of google drive.
Max File Name Length	Not Applicable	Not Applicable incase of google drive.
Max Folder Name Length	Not Applicable	Not Applicable incase of google drive.
File Timestamps	Supported	
Recycle Bin	Not supported	
File Size	Supported	5TB (As per Google Documentation)
Special Characters / Foreign Language Names	Supported	
Empty Files (0 Size)	Supported	
Delta Migration	Supported	
Creation / Modification Date	Supported	
Password Protected Files	Supported	
Corrupted Files	Supported	State of file will remain same. We are not doing any recovery for corrupted file. [Files can not be open due to corruption]
Folder Permission / File Permission	Not supported	

Network Folder	Not Supported	
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API

The application is using the Google API which a REST based API for interacting with Google Drive.

Reference : <https://developers.google.com/drive/api/v3/about-sdk>

File System Emails (EML) to Office 365

Objective:

As a User, I should be able to import File System Emails (EML) into Office 365 account.

Prerequisites

- Source folder should have read permission.
- Bandwidth should be minimum 10 Mbps.
- Proxy Settings should not block the network call.
- Antivirus should not block the application.
- Source EML file should be present under user name folder.
- The source EML folder should be at root level.
- Microsoft O365 Admin account ID required for authentication
- Project should be created on Microsoft Azure portal and Permissions granted on the Azure project.
- The destination account should be present at the destination domain.
- Destination account should have valid license.
- Scope for Destination :-
 - Full Access (EWS).
 - Mail.ReadWrite.All.

Features

Feature Point	Status	Description
Demo Version License	2 User Allowed	
Folder Structure	Original Structure Maintained	
Unicode character Names For Folders	Supported	
Special Characters / Foreign Language Names For Folders	Supported	
Folder Name Existing conflicts	Supported	
Deleted Items	Supported	
Subject, To, Multiple To, Cc, Multiple Cc, Bcc , Multiple Bcc	Supported	
Categories	Not Supported	
Mail Attachments	Supported	
Mail Timestamp Retention	Supported	Mail Sent/Received times maintained.
Drafts Timestamp Retention	Supported	
Maximum Mail Size	Supported	150 MB
Importance (high, Normal, Low)	Supported	
Plain Body	Supported	
HTML Body	Supported	
Calendar Invitation	Supported	
Foreign Language Subject, Body, Attachment name	Supported	

Follow Up Flags	Not Supported	
Junk Email	Supported	
Folder Name Length	Supported	256 Characters
EML Files With Parent Folder	Supported	

Limitations:

Empty Files will not be imported.

[File System Contacts\(VCF\) to Office 365](#)

Objective :

As an User, I should be able to Import File System Contacts(VCF) into Office 365.

Prerequisite :

- Project should be created on Azure portal to get the service account credentials.
- Project should be granted with required scopes.
- Destination user should have a valid O365 license.
- Source File should not be open in other application.
- The Destination domain should be having write permissions.
- Antivirus should not block the application.
- Network speed should be 100 Mbps.

Features :-

Feature Point	Status	Description
Demo Version License	2 Users	
Special Characters / Foreign Language Names For Folders	Supported	
Multiple Email Addresses	Supported	Only starting 3 emails ID's will mapped, remaining will be added in body
Phone <ul style="list-style-type: none"> • Home • Work • Mobile • Pager • Other • Home Fax • Business Fax • Google Voice • Main 	Supported	Home, Work and Mobile numbers will get mapped and remaining will be added in body.
IM address	Not Supported	
Work <ul style="list-style-type: none"> • Job title • Department • Company Name • Office Location 	Supported	Title, Department and Company will mapped and remaining are added in body.
Note	Supported	
Profile Photo	Not Supported	

Personal Info - <ul style="list-style-type: none"> • First Name • Middle Name • Last Name • Suffix • Prefix 	Supported	
Address <ul style="list-style-type: none"> • Business • Home • Other 	Supported	First entry of all labels will get mapped and remaining are added in body.
Other : <ul style="list-style-type: none"> • Nick name • Birthday 	Supported	
Anniversary Assistant Spouse Manger Internet Address	Supported	Added in the Contact Body
Relationship: <ul style="list-style-type: none"> • Child • Hobby • Referred By • Brother • Mother • Parent • Relative • Partner • Friend • Father • Domestic Partner • Sister 	Not Supported	
Website: <ul style="list-style-type: none"> • Work • Blog • Home Page • Profile 	Supported	Work Website will get mapped, and remaining are added in body.
FileAs	Not Supported	
Chat <ul style="list-style-type: none"> • Google talk • AIM • yahoo • Skype • QQ • ICQ • Jabber • MSN 	Not Supported	
Foreign Language Contact Name	Supported	
Foreign Language Email Address	Supported	
Foreign Language in Contact Body	Supported	
Delta Migration	Supported	

Custom Internet Call and Internet Call	Not Supported	
Custom Fields	Supported	Added in the Contact Body

API

Graph API for Office 365

[File System Calendars\(ICS\) to Office 365](#)

Primary Objective

As an User, I should be able to import File System Calendars(ICS) to Office 365.

Prerequisite :

- Project should be created on Azure portal to get the service account credentials.
- Project should be granted with required scopes.
- Destination user should have a valid O365 license.
- Source file should not be open in other application.
- The Destination domain should be having **Write** permissions.
- Antivirus should not block the application.
- Network speed should be 100 MBPS.
- Source File should have **Read** permission.
- API Scopes: Destination: **Calendars.ReadWrite**

Features :-

Feature	Status	Description
Demo Limitation	Supported	Max 2 User Mailboxes
Folder Structure	Not Supported	There is no folder hierarchy in office.
Folders	Supported	
Delta Migration	Supported	All files should will get scanned for Delta Migration and only new files will get Imported.
Special Characters / Foreign Language Names	Supported	
Special Characters / Foreign Language Folders	Supported	
Recurrence	Supported	
Attendees	Supported	
Categories	Not Supported	
Importance	Not Supported	
Sensitivity	Not Supported	
Notification	Supported	
Time Zone Mapping	Supported	
All Day Event	Supported	
Body	Supported	
Status	Supported	
Visibility	Supported	

Resources	Supported	
Hidden Calendars	Not Supported	
Deleted Item	Supported	It will create folder named as Deleted Items at the destination.
Inline attachments	Not Supported	
Organizer	Supported	
Event Subject	Supported	
Event Date & Time	Supported	

API Details:

Graph API

[File System Documents to Office 365](#)

Primary Objective:

As a User, I should be able to Import the File System Document to One Drive.

Prerequisite :

- Project should be created on Azure portal to get the service account credentials.
- Project should be granted with required scopes.
- Destination user should have a valid O365 license.
- Source file should not be open in other application.
- The Destination domain should be having **Write** permissions.
- Antivirus should not block the application.
- Network speed should be 100 MBPS.
- Source Files should have **Read** permission.
- In Source under Username Folder **Document** folder should be present & all Files / Folders should be stored in that particular folder.

Features

Feature	Status	Description
Demo Version License	Supported	2 Users
Folder Structure	Supported	Original Structure Maintained
Max Path Length	Supported	250
Max Folder Name Length	Not Applicable	Not Applicable incase of one drive.
File Timestamps	Supported	
Recycle bin	Not supported	
Max File Size	250 GB	As per One Drive Documentation.
Network Drive	Not supported	
Special Characters / Foreign Language Names	Supported	
File/Folder Name Existing Conflicts	Not supported	
Empty Files (0 Size)	Supported	
Delta Migration	Supported	
Creation / Modification date	Supported	
Password protected files	Supported	
Corrupted files	Supported	

API

The application is using the Microsoft Graph API which a REST based API for interacting with Office 365.

Reference : <https://docs.microsoft.com/en-us/graph/api/overview?view=graph-rest-1.0>

MSG to Office 365

Objective:

As a User I should be able to import MSG format Emails into Office 365 account.

Prerequisites:

- Source folder should have read permission.
- Bandwidth should be minimum 10 Mbps.
- Proxy Settings should not block the network call.
- Antivirus should not block the application.
- Source MSG file should be present under user name folder.
- The source MSG folder should be at root level.
- Microsoft O365 Admin account ID required for authentication
- Project should be created on Microsoft Azure portal and Permissions granted on the Azure project.
- The destination account should be present at the destination domain.
- Destination account should have valid license.
- Scope for Destination :-
 - Full Access (EWS).
 - Mail.ReadWrite.All.

Features:

Feature Point	Status	Description
Demo Version License	2 user allowed	
Folder Structure	Original Structure Maintained	
Unicode character Names For Folders	Supported	
Special Characters / Foreign Language Names For Folders	Supported	
Folder Name Existing conflicts	Supported	
Deleted Items	supported	
Subject, To, Multiple To, Cc, Multiple Cc, Bcc , Multiple Bcc	Supported	
Categories	Not Supported.	
Default Status	Supported	Read status
Mail Attachments	Supported	
Mail Timestamp Retention	Supported	Mail Sent/Received times maintained.
Drafts Timestamp Retention	Supported	
Maximum Mail Size	Supported	50mb
Importance (high, Normal, Low)	Supported	
Plain Body	Supported	
HTML body	Supported	
Calendar Invitation	Supported	
Foreign Language Subject, Body, Attachment name	Supported	

Follow up Flags	Not Supported	
junk email	Supported	
Folder name length	Supported	256 character
MSG files with parent folder	Supported	

MSG to G Suite

Primary Objective

As a User, I should be able to import MSG format Emails into GSuite .

Prerequisites

- Source folder should have read permission.
- Bandwidth should be minimum 10 Mbps.
- Proxy Settings should not block the network call.
- Antivirus should not block the application.
- The destination account should be present at the destination domain.
- The destination domain should have email write permissions granted on the google console project.
- Client ID and p12 must be provided.

Features

Feature Point	Status	Description
Demo Version License	2 user allowed	
Folder Structure	Original Structure Maintained	
Unicode character Names For Folders	Supported	
Special Characters / Foreign Language Names For Folders	Supported	
Folder Name Existing conflicts	Supported	
Trash	Supported	
Subject, To, Multiple To, Cc, Multiple Cc, Bcc , Multiple Bcc	Supported	
Categories	Not Supported.	
Read/Unread Status	Not Supported.	
Mail Attachments	Supported	25 mb
Mail Timestamp Retention	Supported	Mail Sent/Received times maintained.
Drafts Timestamp Retention	Supported	
Maximum Mail Size	Supported	25mb
Importance (high, Normal, Low)	Supported	
Plain Body	Supported	
HTML body	Supported	
Calendar Invitation	Supported	
Foreign Language Subject, Body, Attachment name	Supported	
Follow up Flags	Not Supported	
Junk Email	Supported	

Folder Name length	Supported	244 character
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Outlook Emails to Live Exchange

Objective:

As a User, I should be able to import Outlook Emails to Live Exchange.

Prerequisites:

- Source file should not be open in any other application.
- Minimum network bandwidth should be 100 Mbps.
- Exchange server should be on premise and it should be ON.
- **Microsoft Exchange Information Store Service** should be running.
- The destination account should be present at the destination domain.
- Destination Live exchange account size should be increased if source PST file is larger then 2 GB as exchange mailbox default size is 2 GB.

Features:

Feature Point	Status	Description
Date Time Retention	Supported	
Demo Version License	Supported	Yes, two users full data will be migrate
Date Filter	Supported	[On Created Date]
Folder Structure	Supported	
Special Characters / Foreign Language Names For Folders	Supported	Special characters are replaced with “_“
Folder Name Existing conflicts	Supported	
Folder Name Length	Supported	256 Characters
Categories Default or Custom	Supported	
Read/Unread Status	Supported	
Mail Attachments	Supported	
Inline Images	Supported	
Signature setting	Not Supported	
Follow Up Flags	Supported	
Conversation Threads	Supported	
Mail Timestamp Retention	Supported	
Maximum Mail Size	Supported	
Importance	Supported	
Shared/Group Folders	Not Supported	
Corrupted file	Not Supported	
Encryption	Not Supported	
Password Protected File	Supported	
Html Formatting	Supported	
RTF		
Plain Text		
Voting Buttons	Not Supported	

Delta	Supported	
Calendar Invitation	Supported	
Embedded Attachment	Supported	
Importance	Supported	
Priority	Supported	
Sensitivity	Not Supported	
On Behalf Of	Supported	
Top of Information Folder Mails	Not Supported	

Shortcomings and Limitations

Limitation	Reason
All folders present even if they are outside the date filter's range	The application is designed to preprocess the folders first and then the files.

MSG to Live Exchange

Objective:

As a User, I should be able to import MSG files into Live Exchange (2010, 2013, 2016, 2019) account.

Prerequisites:

- Source folder should have read permission.
- Bandwidth should be minimum 10 Mbps.
- Proxy Settings should not block the network call.
- Antivirus should not block the application.
- Source MSG file should be present under user name folder.
- The source MSG folder should be at root level.
- Exchange server should be on premises.
- Exchange Information Store service should be running.
- The destination account should be present at the destination domain.
- Mailbox should be assign to destination account.

Features:

Feature Point	Status	Description
Demo Version License	2 User Allowed	
Folder Structure	Original Structure Maintained	
Unicode character Names For Folders	Supported	
Special Characters / Foreign Language Names For Folders	Supported	
Folder Name Existing conflicts	Supported	
Deleted Items	Supported	
Subject, To, Multiple To, Cc, Multiple Cc, Bcc , Multiple Bcc	Supported	
Categories	Not Supported	
Read/Unread Status	Not Supported	All Mails Imported as Read Status.
Mail Attachments	Supported	

Mail Timestamp Retention	Supported	Mail Sent/Received times maintained.
Drafts Timestamp Retention	Supported	
Maximum Mail Size	Supported	50mb
Importance (High, Normal, Low)	Supported	
Plain Body	Supported	
HTML Body	Supported	
Calendar Invitation	Supported	
Foreign Language Subject, Body, Attachment Name	Supported	
Follow Up Flags	Not Supported	
Junk Email	Supported	
Folder name length	Supported	256 character
MSG Files With Parent Folder	Supported	
