

PRODUCT OVERVIEW

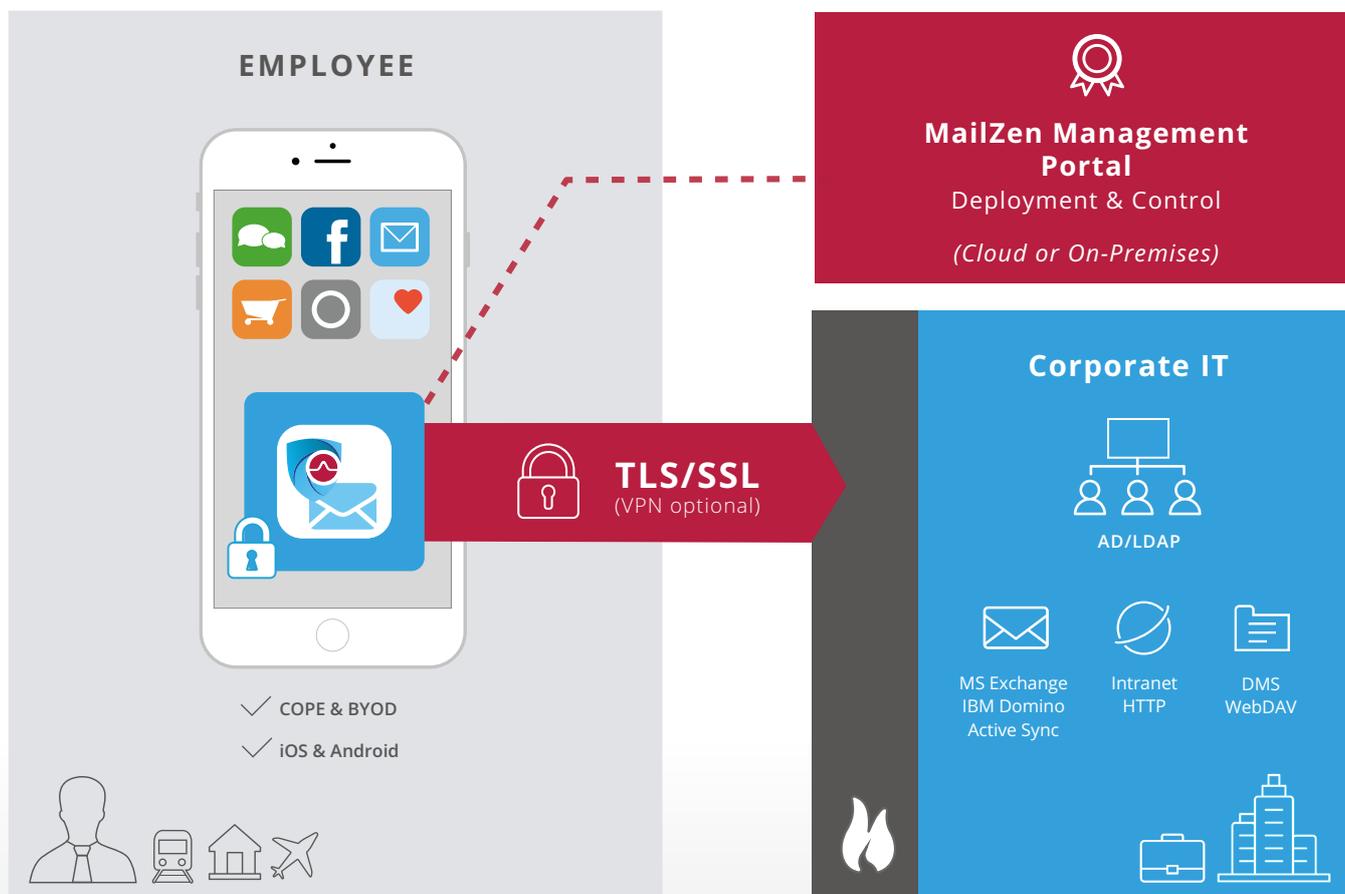
MailZen

Soliton[®]

MailZen provides secure communication and access to corporate data from iOS and Android smartphones or tablets. It enables employees to work remotely, access business-critical data and connect to the corporate network — without any security or privacy concerns.

MailZen is all about data security. It creates a secure container on mobile devices and all data stored within the container is encrypted. The user's private key or a key generated within the app is used for encryption.

COMPONENTS





MAILZEN APP

The MailZen App, available for iOS and Android devices, enables access to business-critical emails, contacts, calendars, notes and tasks via Microsoft® Exchange and/or IBM® Domino. It also enables secure and controlled access to corporate files as well as to intranet sites and web applications via secure TLS communication.

All data within the MailZen App is encrypted (Hybrid Encryption with RSA up to 4096 Bit and AES-256) and protected with a PIN, password or fingerprint. No other app or unauthorized person can access data within the MailZen Container.

The MailZen App is intuitive to use and easy to set up. Deployment of the app is also easy. Employees simply download MailZen from the Apple® App Store or Google Play™ and log in using their MailZen credentials.

Languages

MailZen is available in English, German, French, Italian, Japanese, Russian, Simplified Chinese and Spanish.



MailZen App for IBM Domino

MailZen for IBM Domino users offers full support for direct S/MIME and IBM Domino encryption and decryption. With this unique approach, IBM Domino users do not need middleware or additional companion apps for S/MIME encryption.

MailZen App Functionality



MAIL

- + Navigate, send, receive, prioritize, flag, and filter emails
- + Open email attachments within the secure container only
- + Search email by subject, sender, or recipient
- + Filter local emails by 'flagged', 'unread', 'with attachments', 'open invitations', and 'high priority', multiple filter selection possible (iOS)
- + Build folder structures
- + Select favorite folders, automatic synchronization of favorite folders
- + Interact with Contact module to select recipients
- + Create calendar events directly from an email (Android)
- + Create out-of-office replies
- + Customize notifications
- + Send emails up to 50 MB (iOS) or 20 MB (Android)
- + View and access unread, flagged and newest emails and emails with open invitations and high priority from the Home module
- + Encrypt and sign emails with S/MIME and IBM Domino standard for Microsoft® Exchange and IBM Domino
- + Store emails encrypted, even when received unencrypted
- + Manage up to three Exchange and IBM email accounts (iOS)
- + Create local email signatures individually for each account
- + Receive IBM Domino/Notes email address support
- + Listen to voice message attachments directly within the app
- + Open iOS Passbook PKPass attachments (boarding passes, coupons, loyalty cards)
- + Write email from quick action menu with 3D Touch support (iOS)



CONTACTS

- + Manage, create, edit, delete, search, and navigate contacts
- + Group contacts
- + Set standard phone numbers and email-addresses
- + Access organization's Global Address List and IBM Domino List
- + Export contacts (names and phone numbers only) to the device's local contact directory to enable caller identification (if enabled by IT)
- + Identify contacts from MailZen with CallKit integration (iOS)
- + Share contacts through the Mail module (Android)
- + Select favorite contacts



CALENDAR

- + Manage, create, edit, delete, navigate, and search events
- + View availability and meeting conflicts
- + Customize view options (day/week/month/year/list view)
- + View attachments to calendar events and attach them directly to an event (only available with ActiveSync 16)
- + Display both private device calendar and Microsoft® Exchange or IBM Domino account calendars
- + Use different colors for different calendars (iOS)
- + View and access upcoming events from the Home module
- + Support private and recurring events
- + Customize event notifications
- + Set local time zone
- + Create an event from quick action menu with 3D Touch support (iOS)



TASKS (Exchange only)

- + Manage, create, edit, delete, and prioritize tasks
- + Clearly display tasks that are due or upcoming
- + Customize task reminders
- + Choose advanced sorting and filter functions



BROWSER

- + Access internet and intranet apps and sites
- + Manage bookmarks and desktop view mode
- + Save user credentials in web forms
- + Enable black- and white-listing of websites
- + Enable multi-tab support
- + Upload HTML files from the document module (iOS)
- + Access web sites using certificate-based authentication
- + Define NTLM authentication in the MailZen Management Portal or MDM when accessing SharePoint®
- + View PDF-files in browser

MailZen App Functionality

DOCUMENTS

- + Secure file storage for attachments and access to multiple file servers within the organization
- + View various document types within the app (e.g. PDF, Microsoft Office documents, pictures, emails, ZIP etc.)
- + Edit documents with Polaris Office Enterprise integration without leaving the app
- + File picker support for selecting files from different storages using a single dialog window (iOS)
- + Open and edit documents in offline mode
- + Create Office files (docx, xlsx, pptx, txt) (iOS)
- + Insert bookmarks, comments, highlighting or sketches in PDF documents
- + Bookmark folders and files for easy access
- + Send documents from within the mail module
- + Use apps outside the container to open and edit documents (if allowed by IT)
- + OneWay synchronisation of selected folders



NOTES (iOS only, Exchange only)

- + Manage, create, edit, and delete notes
- + Choose search, sort, and filter options



CAMERA

- + Use the device camera within the secure container
- + Take and store photos in the encrypted container (other apps on the device cannot access photos, nor can photos be uploaded to any cloud storage as specified by IT-administrator)
- + Access camera directly from email drafts
- + Photos can only be viewed after logging into the container



MAILZEN MANAGEMENT PORTAL

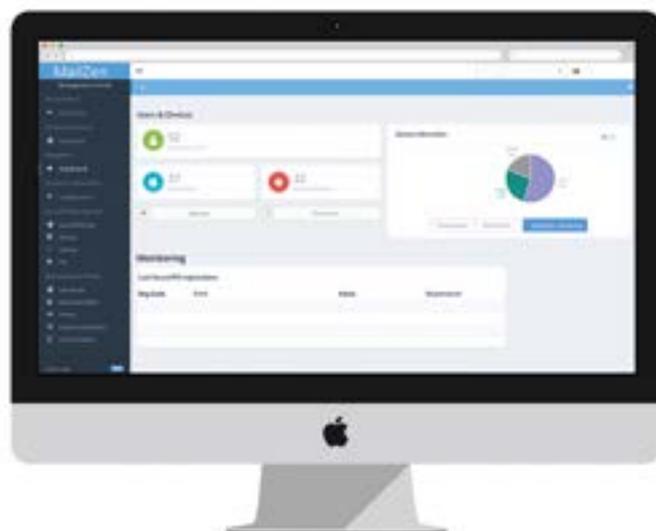
Administration and configuration of the MailZen App are handled centrally via its MailZen Management Portal. The portal is an integrated component of the solution, which can either be provided as a server component for installation (on-premises) or can be administered on a server hosted by Soliton Systems Europe N.V. with administrator rights (cloud).

The MailZen Management Portal easily integrates into any existing infrastructure and can also be configured for diverse Mobile Device Management systems that support AppConfig community standards.

With the MailZen Management Portal, administrators can simply and easily define security rules and enforce them in the MailZen App on mobile devices. The administration and support of users within the Portal is also easy. Administrators can easily add users manually or with an LDAP import, define user groups or departments with different security standards, and much more.

It also offers an optional Self Service Portal. Here users can manage their own mobile devices and easily transfer S/MIME certificates to mobile devices. The MailZen Management Portal is a Java Web Application, running on a Apache Tomcat and using an Apache Web server as a front end.

Currently, the MailZen Management Portal is available in English and German.





MailZen Management Portal Functionality

The MailZen Management Portal gives administrators a range of options to configure the MailZen App.

Define security rules for all devices using MailZen:

- + Identify different timeout periods for MailZen App logout
- + Enable/disable “Open-In” functionalities to view or edit files outside the secure container
- + Define trustworthy certificate authorities
- + Define group-specific settings to manage different security standards
- + Push MailZen updates to employees’ mobile devices
- + Allow or prohibit the registration of modified devices (jailbreak or root prevention)
- + Allow or prohibit CallKit integration and export of contacts for caller identification
- + Allow users to set up multiple email accounts in MailZen
- + Control the minimum operating system version of devices
- + Define password/PIN policies, allow TouchID/fingerprint
- + Allow copy and paste within the app

Quickly respond to threats:

- + Block the MailZen App on specified devices
- + Reset data remotely (i.e. delete all corporate data) within the MailZen Container (the user’s private data remains untouched)

Provide MailZen user administration:

- + Add users manually or with an LDAP or Excel-import
- + Self-Sign-Up: Users can register via invitation link
- + Use an LDAP to import different user groups and departments with different security standards
- + Manage email templates (e.g. with user registration information) in several languages
- + User export available as xlsx, xls, csv
- + Device monitoring available

Provide extensive support to MailZen users:

- + Retrieve log files from devices to detect error causes
- + Report accurately on registration status
- + Remove unused MailZen licenses automatically and make them available to other users
- + Manage multiple MailZen Management Portal administrators and their rights
- + Configure browser settings: standard bookmarks, black- and whitelists, proxy configuration
- + Set standard email signatures
- + Set support email address
- + Allow OneWay synchronization

ADDITIONAL CAPABILITIES OF MAILZEN

Integration of Public Key Infrastructure (PKI)

Connect an **existing public key infrastructure (PKI)** within the MailZen Management Portal, if an Active Directory Certificate Service exists. Certificates (public keys) can be provided by LDAP/AD.



MailZen Gateway

The MailZen Gateway ensures the connection of the MailZen App with the infrastructure of the company. The security relies on certificate-based authentication and does not require a VPN infrastructure, nor VPN profiles for mobile devices. The MailZen Gateway software appliance is installed inside the company's DMZ. In the firewall, a specific port must be opened for outside access from the MailZen App. The gateway checks the user's identity and allows access to verified users only.

- + Access MS Exchange file services (via WebDAV websites/apps service)
- + Choose to deploy cloud or on-premises
- + Configure and control MailZen through the Management Portal, which generates and deploys certificates to the gateway used for identity checks

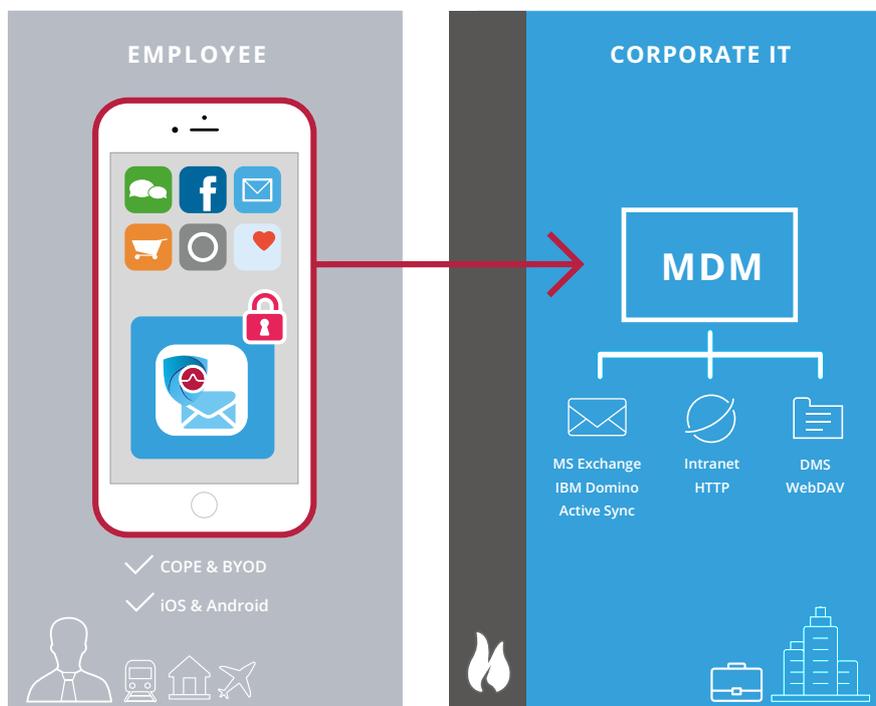
Mobile Device Management

The MailZen App was designed as a standalone solution to be managed through its own portal. However, it can also be configured to be managed with most common Mobile Device Management (MDM) systems that support AppConfig community standards.

This enables the administrator to:

- + Push the MailZen App to users' devices
- + Monitor and configure the MailZen App

Alternatively, Apple's configurator or Profile Manager can be used.



IPSEC-VPN

Within the certified system solution, the MailZen App connects the internal infrastructure via a VPN tunnel using an IPsec protocol tunnel.

IPSec ensures:

- + Secure communication on the internet
- + Secure VPN connections
- + IPsec-VPN tunnel ends at the IPsec-VPN gateway, where data is channeled

TLS-GATEWAY

All communication between the MailZen App and the data within the corporate network can be secured using the TLS cryptographic protocol, a hybrid encryption protocol for the secure transmission of data. The TLS-Gateway communicates with the email server, file server, internal websites, web applications and the MailZen Management Portal.

It features:

- + Secured channel for communication between the MailZen App and the corporate network
- + Encryption of the ActiveSync protocol for communication with an ActiveSync server
- + Web service interface with TLS encryption for communication with the MailZen Management Portal
- + Certificate-based login to the TLS-Gateway
- + Certificate-based authentication to access document management systems and intranet applications



TECHNICAL REQUIREMENTS

Mobile Devices:

- iOS: All iOS-based Apple® mobile devices with operating systems from iOS 11 and above
- Android: Android devices with Google-certified Android operating systems from version 5.0 and above and API Level 19

Email Servers:

- Microsoft® Exchange Server with ActiveSync Protokoll 16.0 or 16.1
- IBM Domino Server with ActiveSync/Notes Traveler from 9.0.1.15

File Servers:

- SharePoint® versions 2007, 2010 or 2013
- WebDAV-standard-systems

System Requirements for the MailZen Management Portal

Hardware:

- Processor: 2-core-processor with a minimum of 2 GHz
- RAM: 8 GB minimum
- Capacity: 20 GB minimum

Operating System:

All major operating systems, supported by the Servlet Engine version used (Apache Tomcat)

Servlet Engine:

Apache Tomcat 8.5

Web Server:

Apache Web-Server (HTTP-Server) version 2.4 with mod_ssl and mod_proxy_ajp

Java Runtime Environment:

One of the following:

- Oracle JDK 8 and Java Cryptography Extension (JCE) Unlimited Strength Policy Files
- OpenJDK 8

Database:

One of the following:

- H2 database (contained in the installation package of the MailZen Management Portal)
- MySQL 5.7

Server Certificate:

- Server certificate to encrypt connection to the MailZen Management Portal

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ABOUT SOLITON SYSTEMS

Soliton Systems is a Japanese technology company providing innovations in many fields including IT Security, Public Safety and Mobile Broadcasting. We're listed on the Tokyo stock exchange, but we operate at an international level. It's our mission to make IT security better and more user-friendly at the same time, so that more companies can benefit from an optimal safety level.

Our experts are committed professionals and love to talk about their field of expertise and how it can help your company's safety. Digital change is coming, and we're here to help you face it.

Do you have questions on our solutions and their fit with your company? Feel free to reach out!



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