

ZixOne:

A Technical Overview



Unlike native email applications, ZixOne does not store email on the device. Instead it presents a view of each email to the user on demand. When the user has finished reading the email, it is removed from memory. ZixOne allows you to keep email where it belongs — in the systems under your control.

Background

In today's mobile world, enterprises want engaged and connected employees. That's one of the reasons they are letting employees use their own devices to access email. People who can access work from a personal device are always going to be connected to the office. However, the most popular smart phones are not designed to keep corporate email safe.

Apple and Android have done a great job at creating a compelling mobile experience. They have not done a good job at addressing security.

Other mobile security applications take control of users' devices, or they take control of data on those devices. Either way you end up being responsible for managing your email on multiple devices with the attendant risk, complexity and increasing costs.

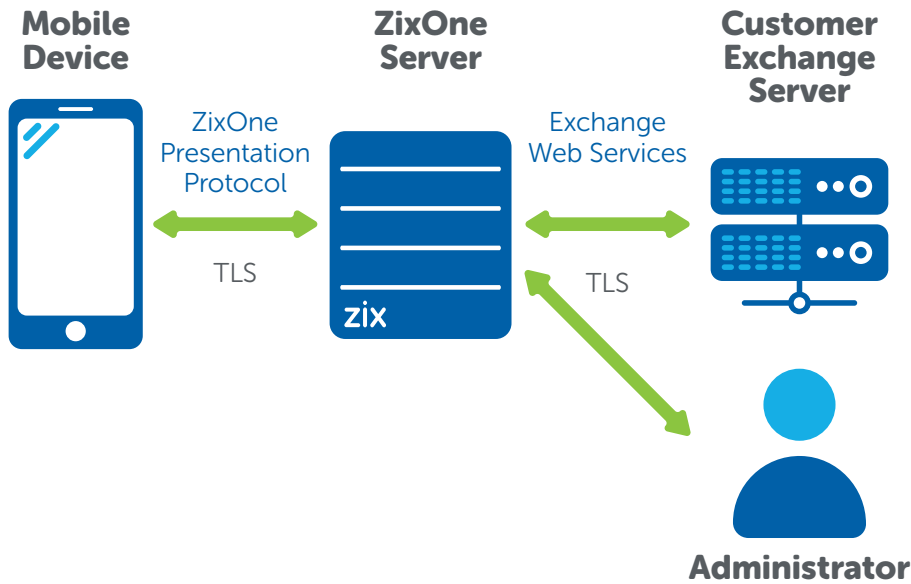
Description

ZixOne is comprised of two main elements: The App and the Servers. The ZixOne App is responsible for authentication to the Servers and presentation of email contents and attachments to the user.

The ZixOne App connects to the ZixOne Servers which are responsible for efficiently presenting email content to the app, securely connecting to the corporate email servers and administration of individuals.

The ZixOne Servers connect to Exchange or Office 365 using Exchange Web Services (EWS).

Using ZixOne users can read, forward, reply and read attachments. ZixOne gives a secure view of the Exchange calendar and integrates with Exchange contacts.



ZixOne has been designed from the ground up to protect your data.

Designed for Security

Zix is the leader in email encryption. We've been protecting the contents of emails for more than a decade.

ZixOne has been designed from the ground up to protect your data. ZixOne never stores the contents of email to disk. Any email that the ZixOne servers cache is immediately flushed from memory when the App session ends.

All connections between the App and the Server are over TLS, as are the connections between the servers and the corporate mail server.

Authentication involves an initial identification step, similar to what Microsoft Active Sync does today with the email user name and password. The ZixOne App then asks the user to specify a passcode for access to the App. Without this passcode the user cannot get into the App and therefore cannot access their corporate email. You keep your current email authentication methods but never allow the email contents to be downloaded to the device. The application serves the secure viewer role of email access.

Everybody loses their phones or tablets at some point. ZixOne is designed to allow administrators to quickly shutoff access to a specific device, while allowing the user to continue working with their other devices. Once a device has been locked out, a compliance report can be generated to show which, if any emails, were compromised.

Designed for Responsiveness

Speed is essential for on-line applications like ZixOne. Native email applications wait for attachments to be downloaded before they can be forwarded. That doesn't happen with ZixOne. The forwarding of a message is done as easily and quickly as if you were at your desktop. In addition, attachments can be viewed a page at a time. No lengthy waits while the attachment is downloaded as there is with other solutions.

Zix has been designing, building and operating secure, easy to use online email systems since 1998.



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