



Secure Electronic Mail Platform for  
Postal Services

**Convenient. Mobile. Secure.**

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## Executive Summary

- OnePost serves as a secured network between large and medium service providers (e.g. power companies, water companies, phone companies, etc.) and their customers.
- OnePost replaces traditional paper mailing of bills, reports, legal documents, and other personal information with a secured, delivery proofed and spam free emailing.
- OnePost **offers its users a free personal management application, by providing a single, personal and centralized postbox for accepting, storing, responding and paying for different type of services**
- OnePost was adopted as a nationwide secured mailing system by the Israeli postal service and branded as iPost.

**OnePost offers a new and up-to-date approach  
for traditional postal services searching to keep  
their relevance in the Internet World**

## The vision

To create a new business model for paperless postal services on a national scale, while maintaining a leadership role and **relevance** in information distribution for the local postal services

## The Challenge

Find a new business model for postal services, replacing the traditional delivery process of registered/corporate mail with a paperless mailing solution, overcoming the weaknesses of standard emailing services:

- For mailers (service providers) : Security, Reliability and Ease-of-use
- For recipients (the general public): a Central, Secured and Spam-free application.

## The solution

OnePost is a personal management application that offers its users the security and privacy to receive mail, pay bills and store important documents; It is accessible anytime, anywhere and on any device; Support multi-factor authentication to ensure security; Ensure all communication is encrypted so that only the intended recipient would be able to view messages.

The system enables customers to log in and manage all their activities, such as viewing historical data, accepting bills, reports and other personal documents from any service provider. It is also possible to set reminders (e.g. for payments to be made).

OnePost can be installed on the company's premises or hosted by a 3<sup>rd</sup> party (cloud).

## OnePost features

OnePost solution is offering the following features:

- For mailers:
  - OnePost is designed to serve every known option of 2-way secured communication challenge – B2C, G2C, C2B, C2G, G2B
  - All deliverable items are electronically signed according to **UPU EPM S-43 standard**
  - Supports different types of products such as registered mail, bills, pre-paid mailing and more

- For recipients
  - Available in one central, secure and 24/7 online location
  - Web based and accessible from any mobile device
  - Secure and free of spam or fraudulent messages
  - long term storage of data
  - Reminders, alerts and reports

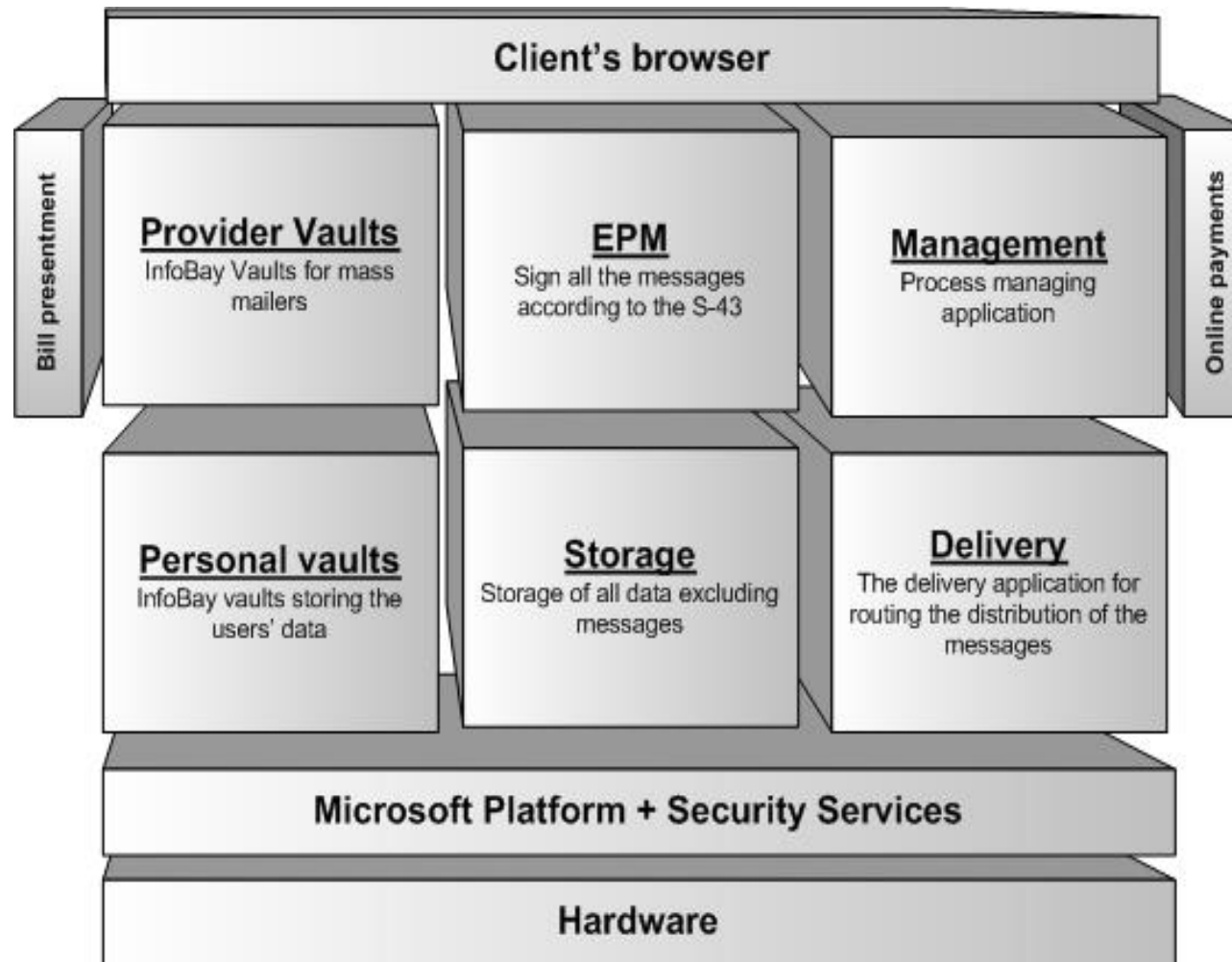
## Security and Regulation

- OnePost is Periodically audited by certified security professionals
- All data is stored in the database in an encrypted format
- OnePost is using web services for interfaces to external portals
- OnePost is providing full audit trail and reports. Every transaction is recorded in the system with a user ID and timestamp and can be traced back.
- OnePost complies with the Government of Israel security regulations

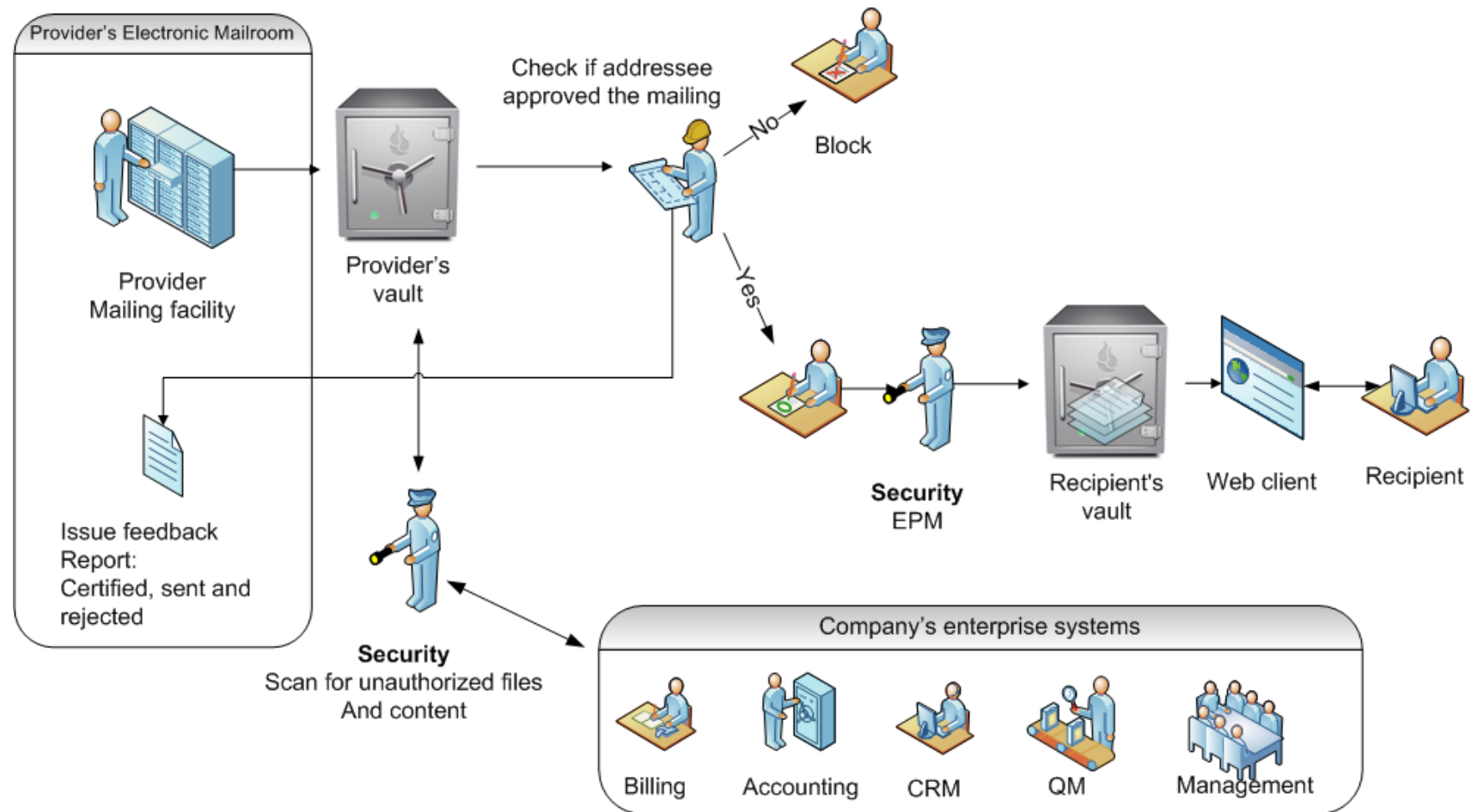
## Technology

- Development platform - Microsoft .net
- Database - Microsoft SQL Server
- Utilizing WCF standards for secured software development
- Utilizing AJAX, JQuery
- Using Comtec's [InfoBay](#), a Secured Electronic Mail Platform, as the central information management and delivery platform

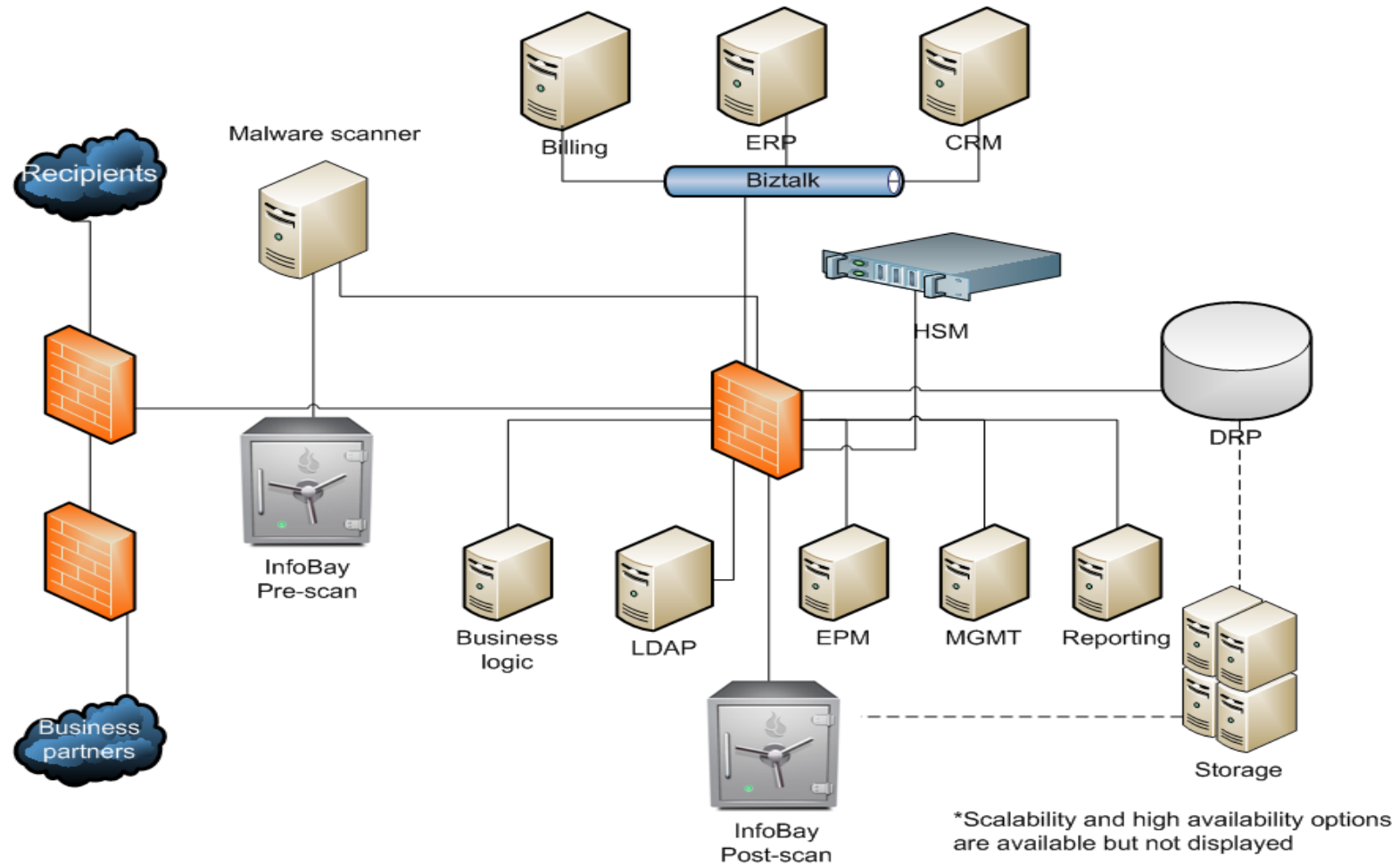
## OnePost Main Building Blocks



## The delivery process



## Schematic system architecture





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## iPost – The Israeli Postal Services OnePost Project

During 2009, the Israeli Postal Services chose OnePost as its platform for deploying a nationwide secure mailing solution under the brand [iPost](#). The system is in successful production since 2010, serving as the main mailing platform for corporate mail between businesses and customers/citizens, while its users' base continually grows.

See the next pages for sample screenshots of the iPost

https://www.ipost.local/MailBox/InfoFolderContents.aspx?fid=7895&nd=1275296952562#Folder

File Edit View Favorites Tools Help

Google Search

iPost

Hello, [Logoff](#)
  
 Scott Adams
   
 iPost - JO8631
   
 0.01% in use out of 10GB

**Inbox**

31 May 2010

33 messages in the box, 26 new messages

**To open the mail, please click on the required line**

Subject:  [Search](#) [Clear search](#)

From	Subject	Date	Mailing type	Reminder	Delete
Israel Levi	Monthly report	15:06 13.12.09	Standard		
Bezeq	Payment request	14:40 13.12.09	Standard		

[Home Page](#)
  
[Send iPost](#)
  
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Done

Internet 100%

iPost - Windows Internet Explorer

https://www.ipost.local/MailBox/ComposeMessage.aspx Certificate Error Google

File Edit View Favorites Tools Help

Google Search Share Sidewiki Check Translate AutoFill Sign In

iPost

**iPost**  
דואר מבא ברשת

Hello, ישראל Logoff

ישראל

כתובת iPost - JO8631

0.01% in use out of 10GB

**Sending iPost**

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**Send iPost**

**Mail**

Inbox

Sent items

Drafts

Deleted items

Search iPost

**My Folders**

Manage Folders

My Folders List

**Delivery type** ☒ Regular ☐ confirmation of delivery ☐ Signed and confirmed

**Bill** Price to recipient

To ...

Attach ...

**Send**

**Subject**

Delivery type

Attached files

No. of recipients

Delivery price

Done Internet 100%