Cloud Computing In Agriculture

What is Cloud Computing?

- An explanation of cloud computing.
- Features, Pros & Cons
- Key Platforms for Small and Medium sized operations
- An overview of selected cloud based applications focused on agriculture

Main Purpose: To give you sufficient information to make an informed decision about cloud computing for your operations.

What is Cloud Computing?

- You use it everyday if you are computing with more than one device.

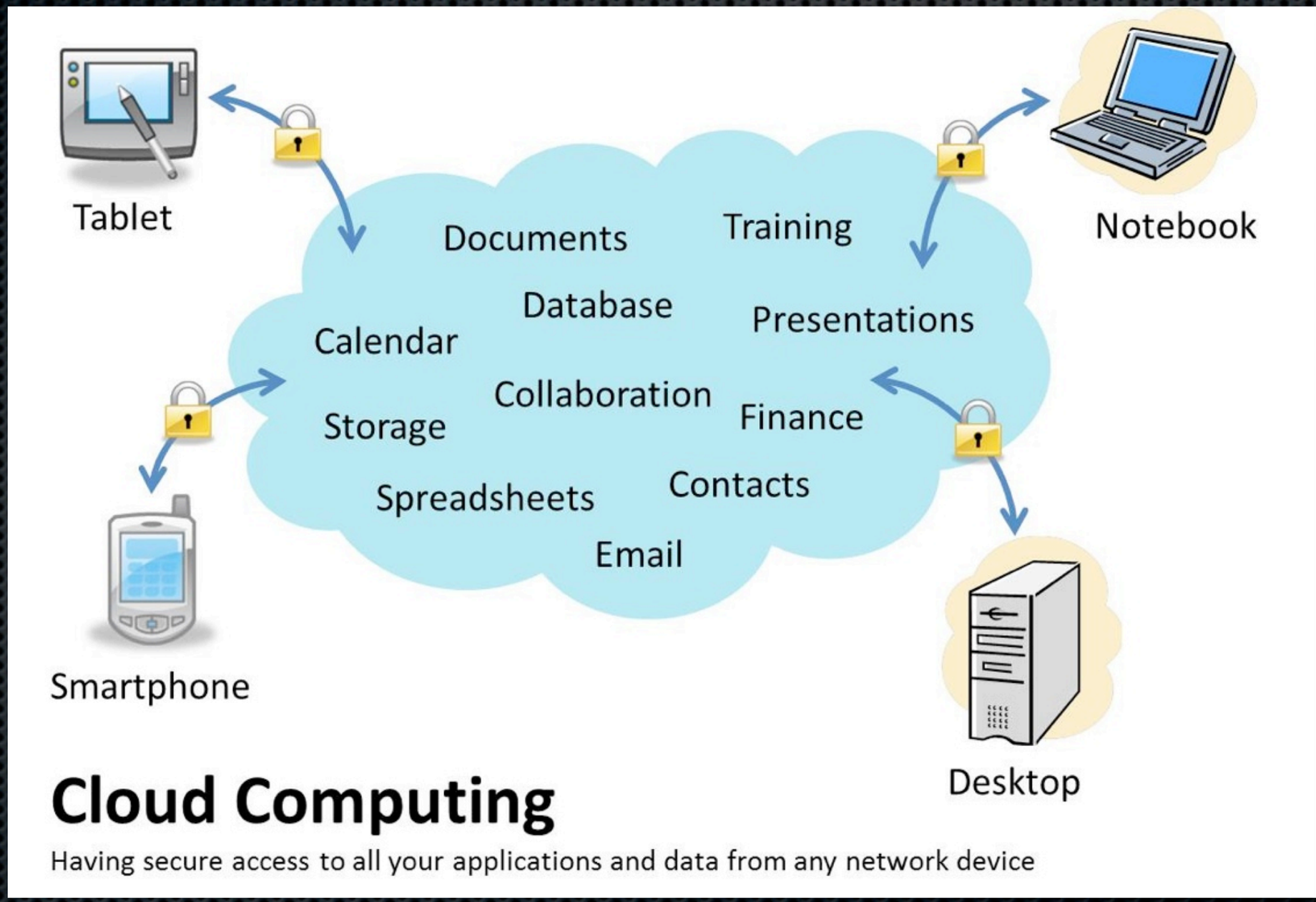
- its behind popular applications, such as Google, Apple and Microsoft 360.

- allows for data sharing between multiple platforms/ devices.

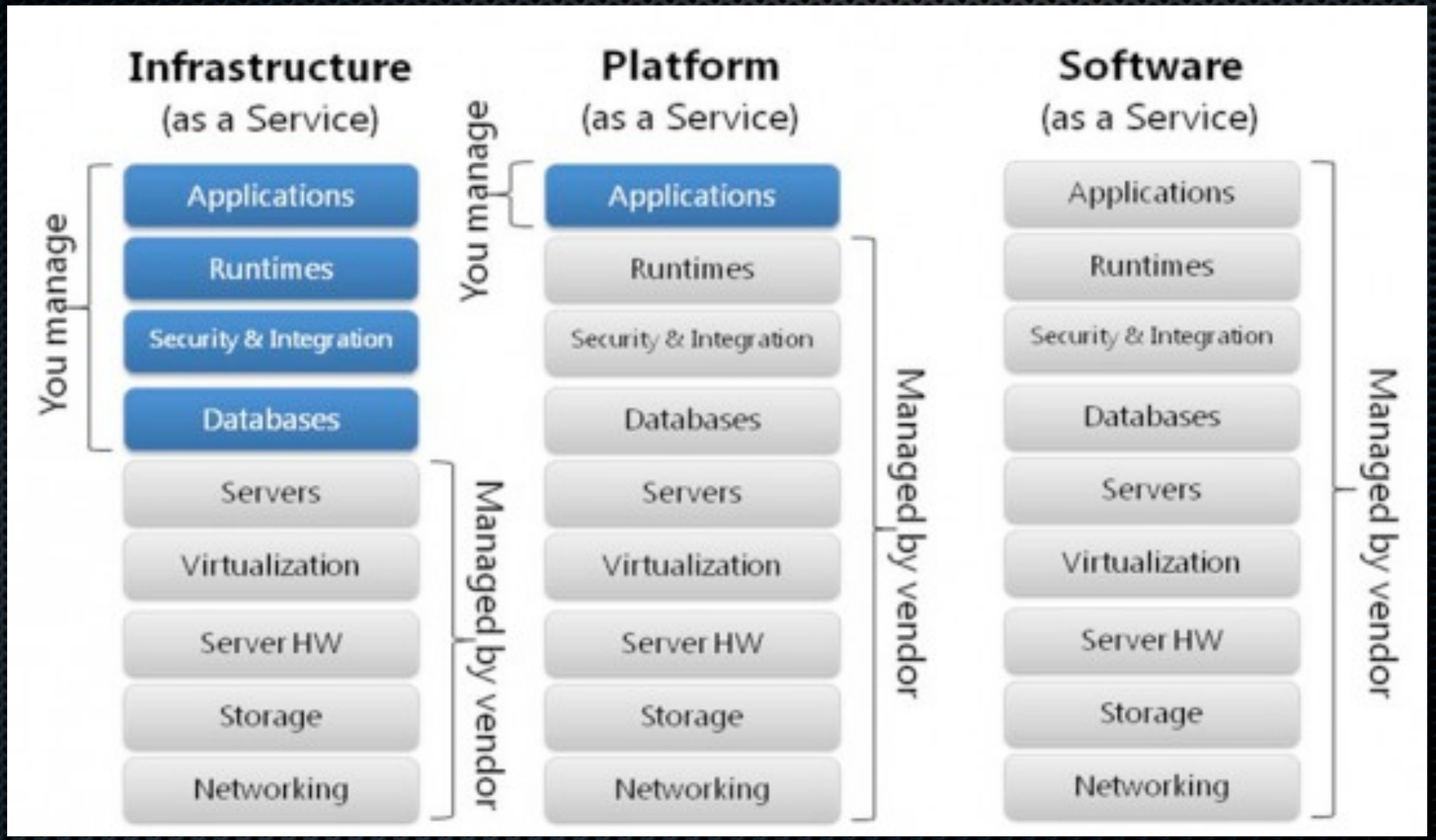
LANs, WANs,the Internet, VPNs,the Cloud...

- Traditionally, we relied on closed LANs to share information in an organization.
- As more WAN architecture evolved and VPNs stabilized, more applications were developed for web based delivery. (Webpages, Intranets, Customer Portals)
- Most major software now includes some kind of web portal or access through a mobile device (e.g. FCC's AgExpert Analyst)

Apps, PaaS and SaaS



...a little more about PaaS and SaaS



Benefits of the Cloud

- Collaboration
- Scale and cost (accessibility for small operations)- pay as you go- no CAPEX
- Access to the lastest and most up to date applications
- Choice of platform and transferability of data

Flipside of the Cloud

- Security of data is variable
- Users can become locked out due to bandwidth and system server availability
- Lack of control/ customisation
- Reliability is dependent on vendor- maintenance of source codes, links and databases.

Key Features

- Storage (Dropbox)
- Conferencing & collaboration (WebEx)
- Messaging (Google)
- Office & productivity software (Zoho Suite)
- Business process applications (Salesforce.com)

To be in the Cloud, or not be in the Cloud?

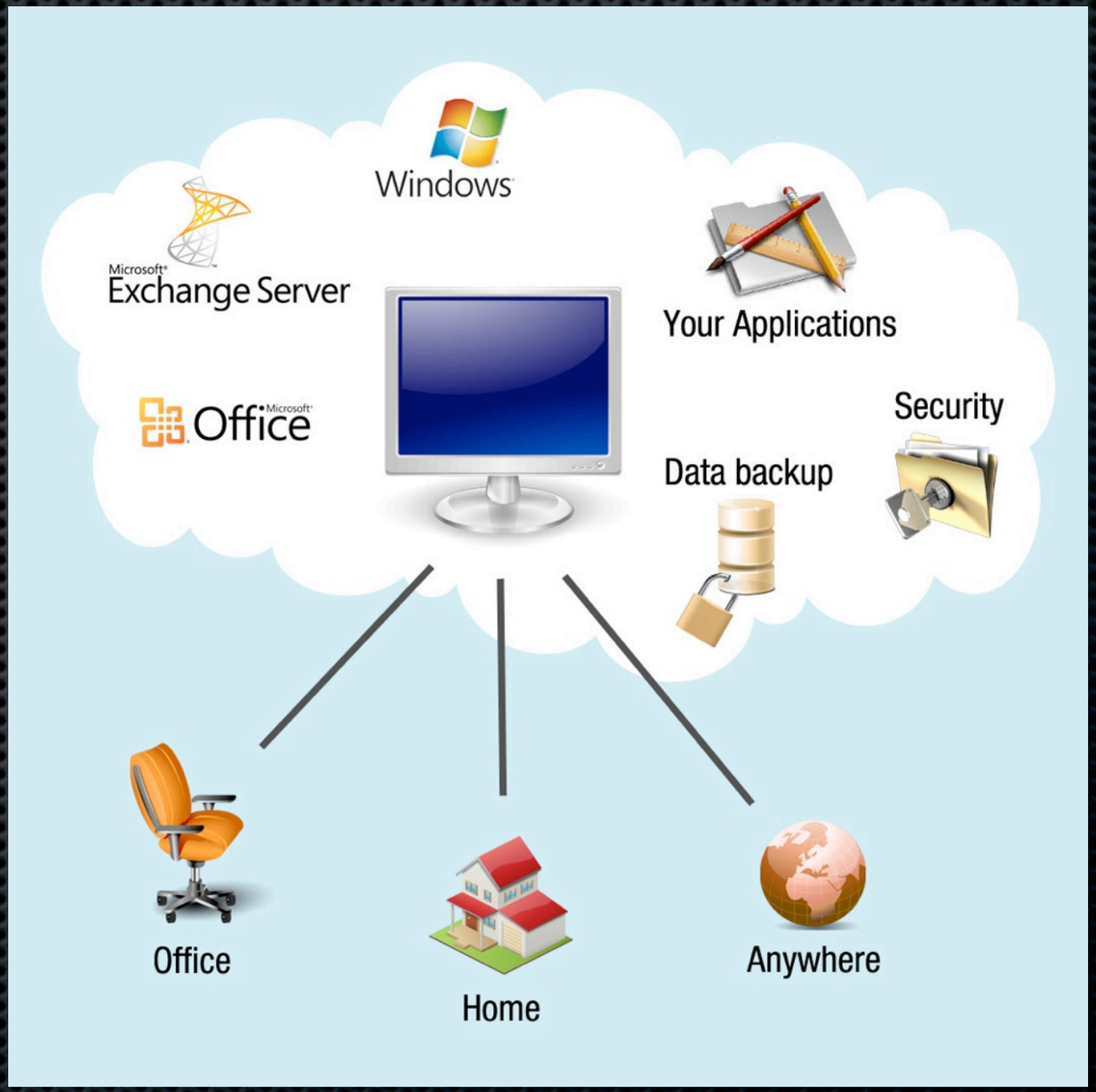
Is multi device, web based computing right for every business?

Some things to consider...

Selection Criteria #1- Are you willing to invest in the devices required?

Some things to consider...

Selection Criteria #2- Are you willing to invest in the infrastructure required?

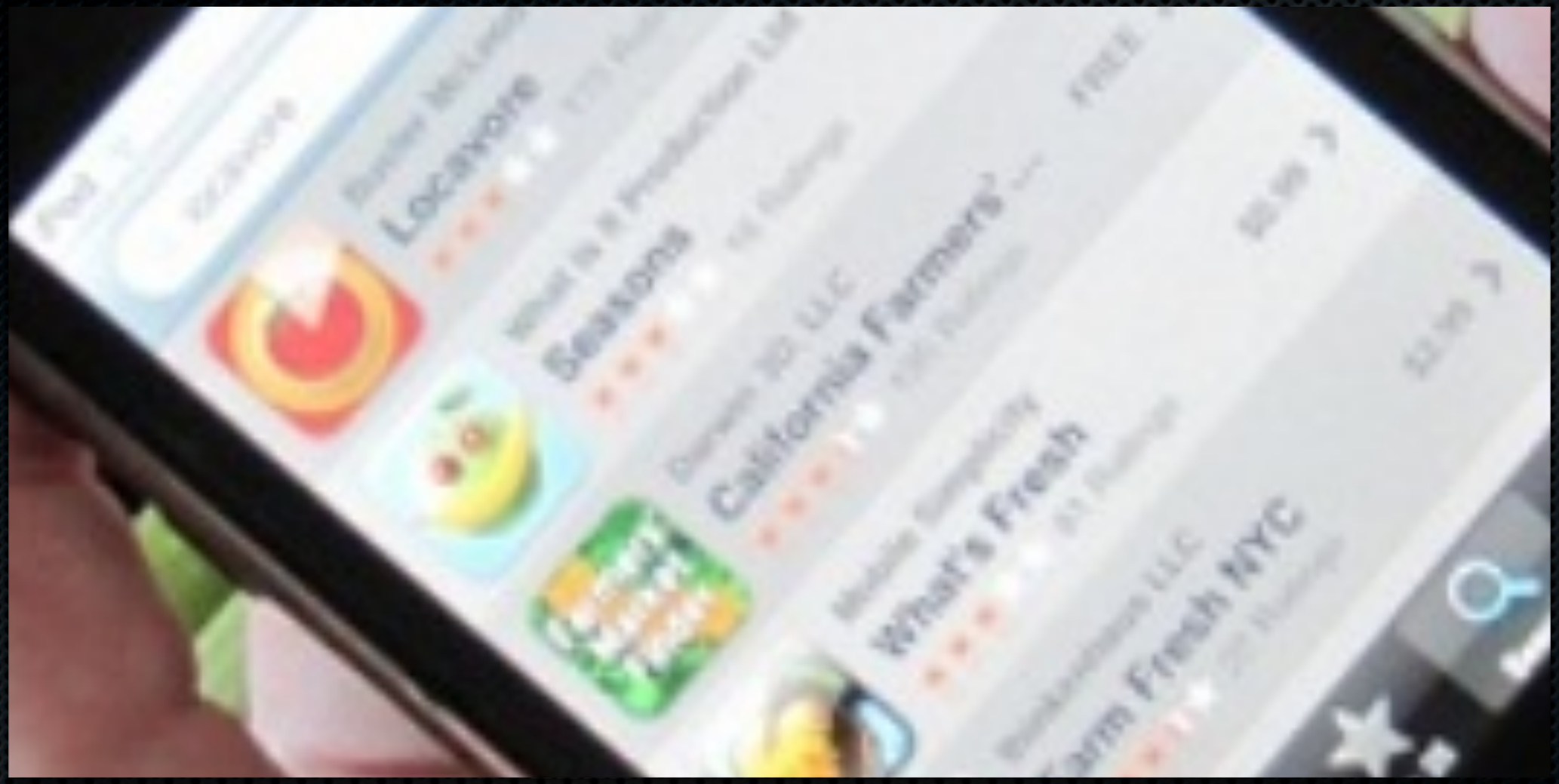


Some things to consider...

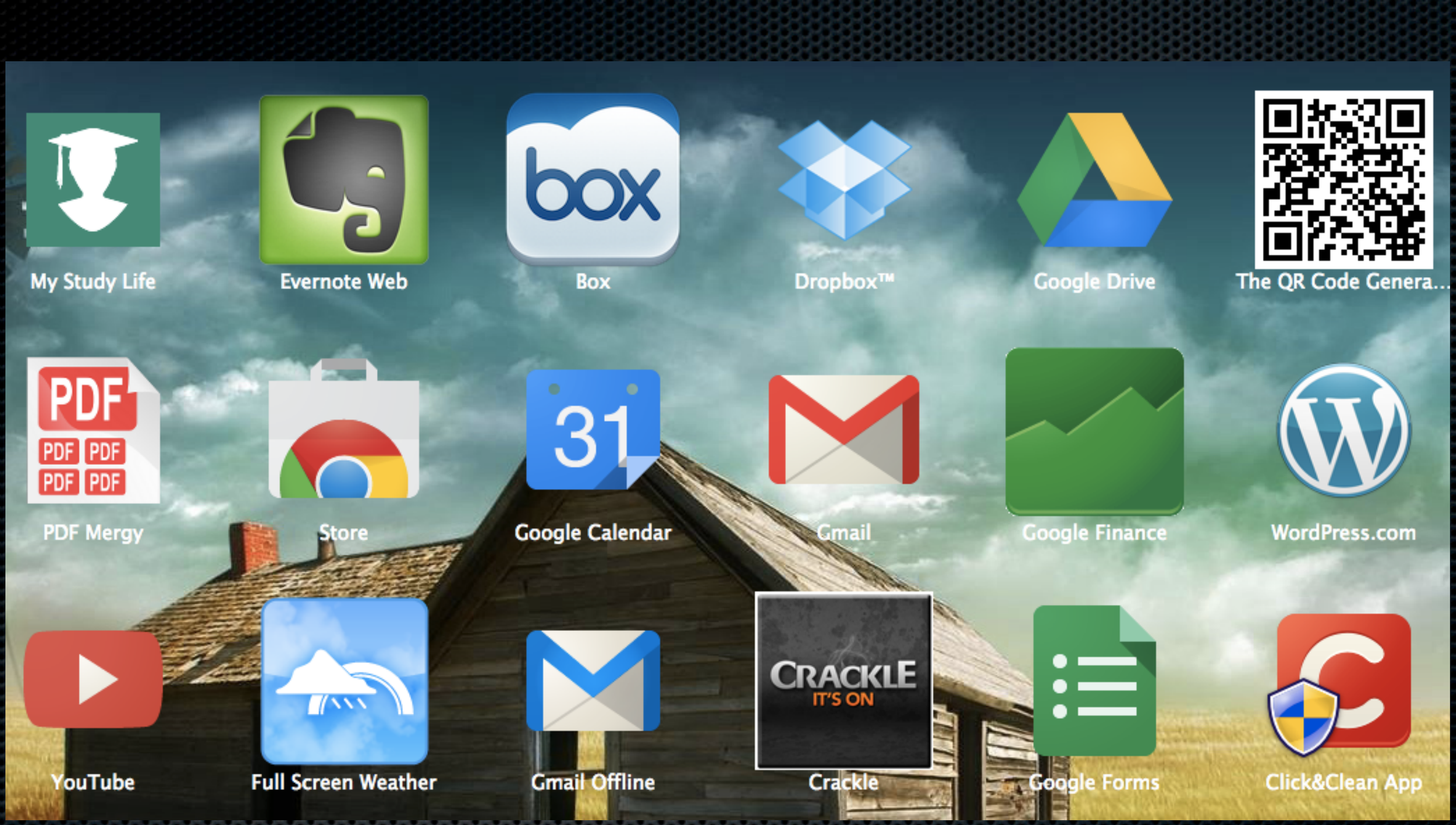
Selection Criteria #3-

Is your business able to handle service lapses?

The “other” cloud in cloud computing



Transformative Business Applications



Google/ Google Apps/ GMail

Collaboration Applications

- Chat
- Meeting
- Docs
- Projects
- Discussions
- Pulse
- Mail
- Wiki

Business Applications

- Assist
- Marketplace
- Books
- People
- BugTracker
- Recruit
- Campaigns
- Reports
- ContactManager NEW
- Site24x7
- Creator
- Sites
- CRM
- Support
- Invoice
- Survey
- LiveDesk
- Vault

Productivity Applications

- Calendar
- Writer
- Notebook
- Show
- Sheet
- Zoho Office for Microsoft SharePoint

Zoho for Google Apps

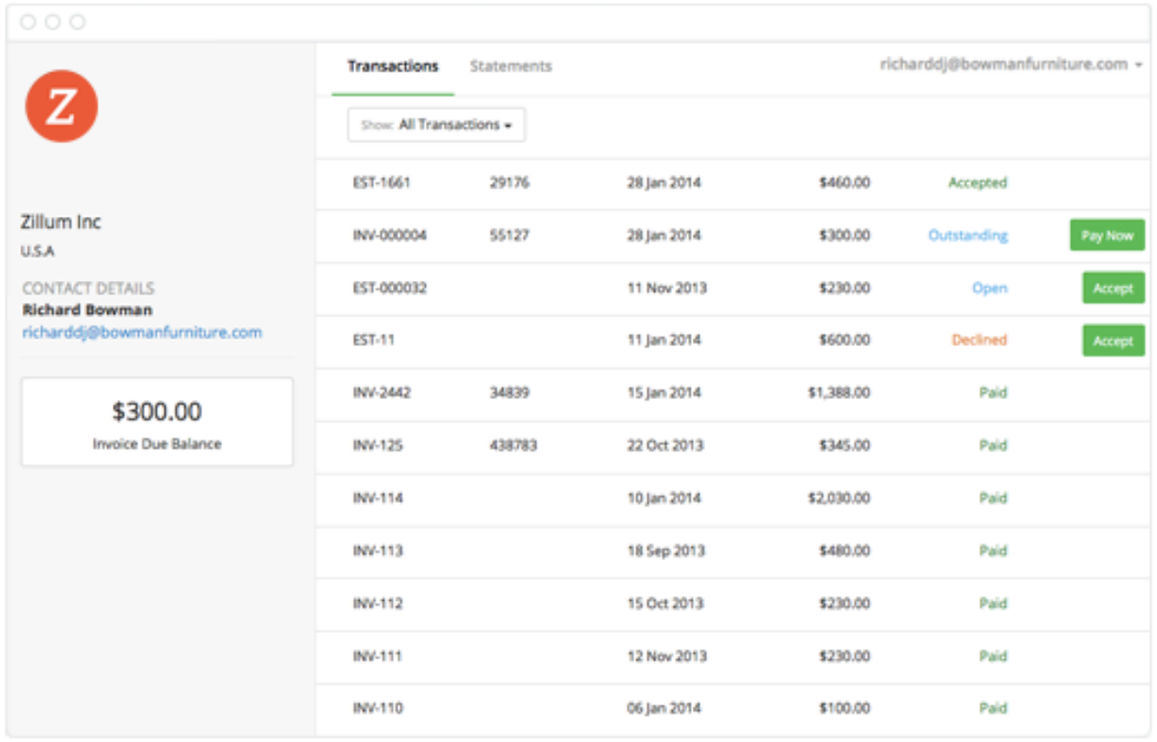
On your Phone
m.zoho.com

ZOHO Suite

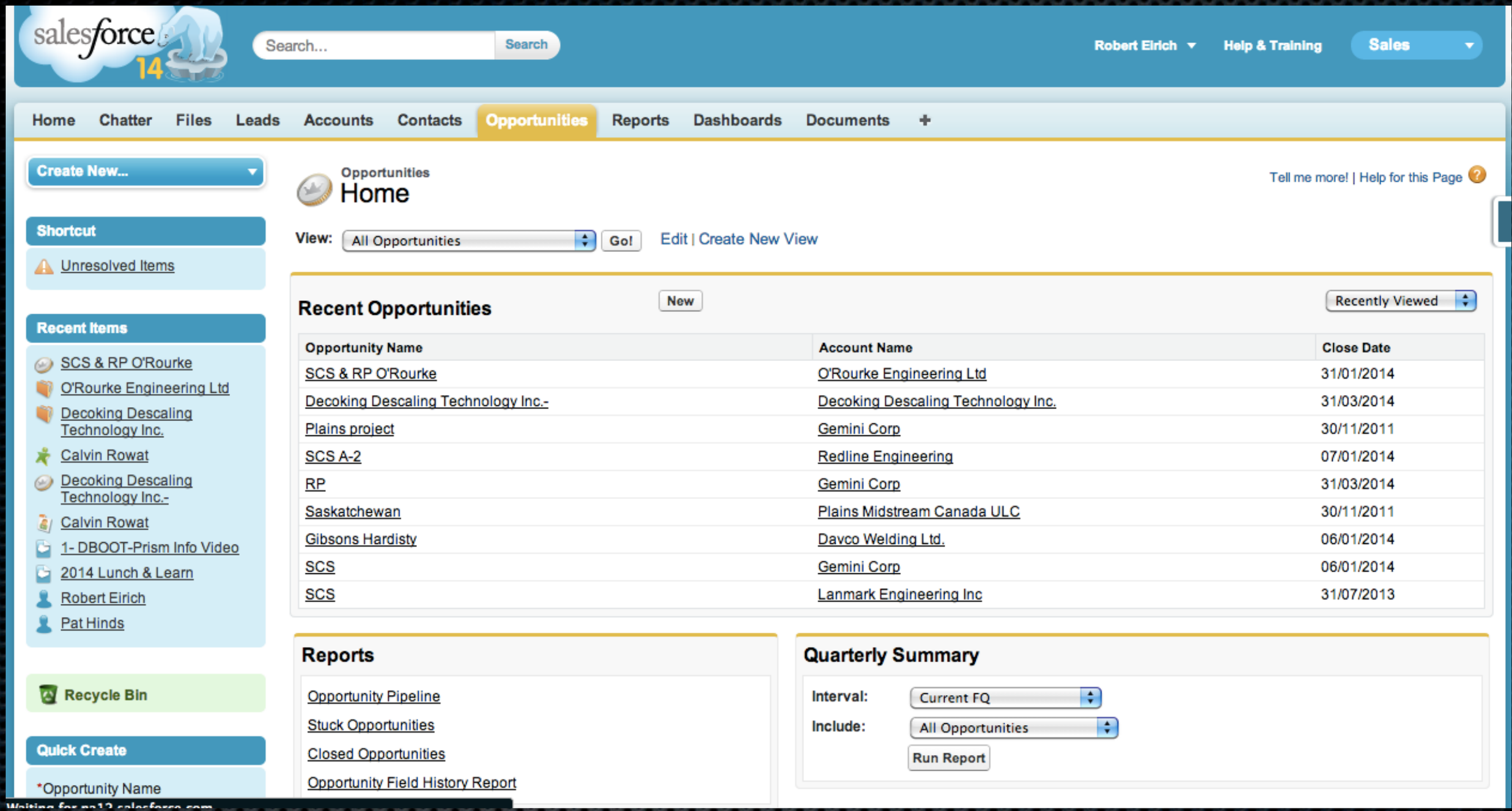
Client Portal
for your Customers

Give your customers access to view their payment history, recent transactions and allow them to make payments online. It's simple, convenient and a smart way to get paid fast.

GET STARTED TODAY



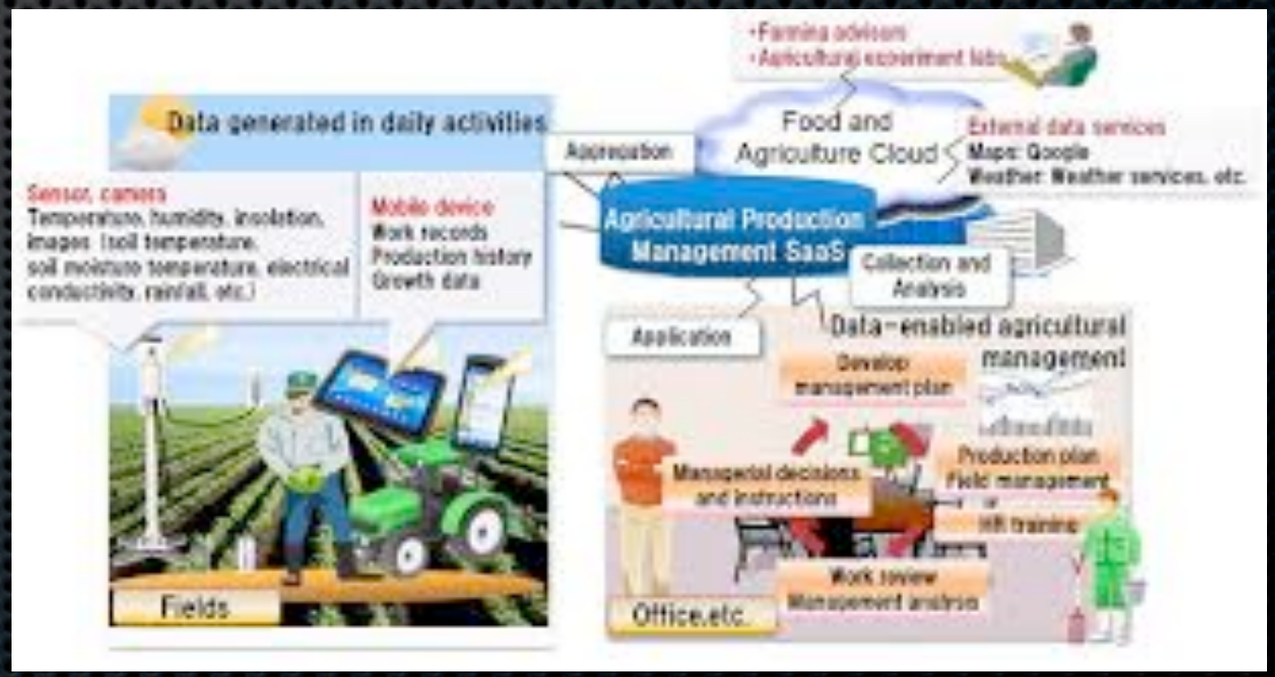
Customer Interface example

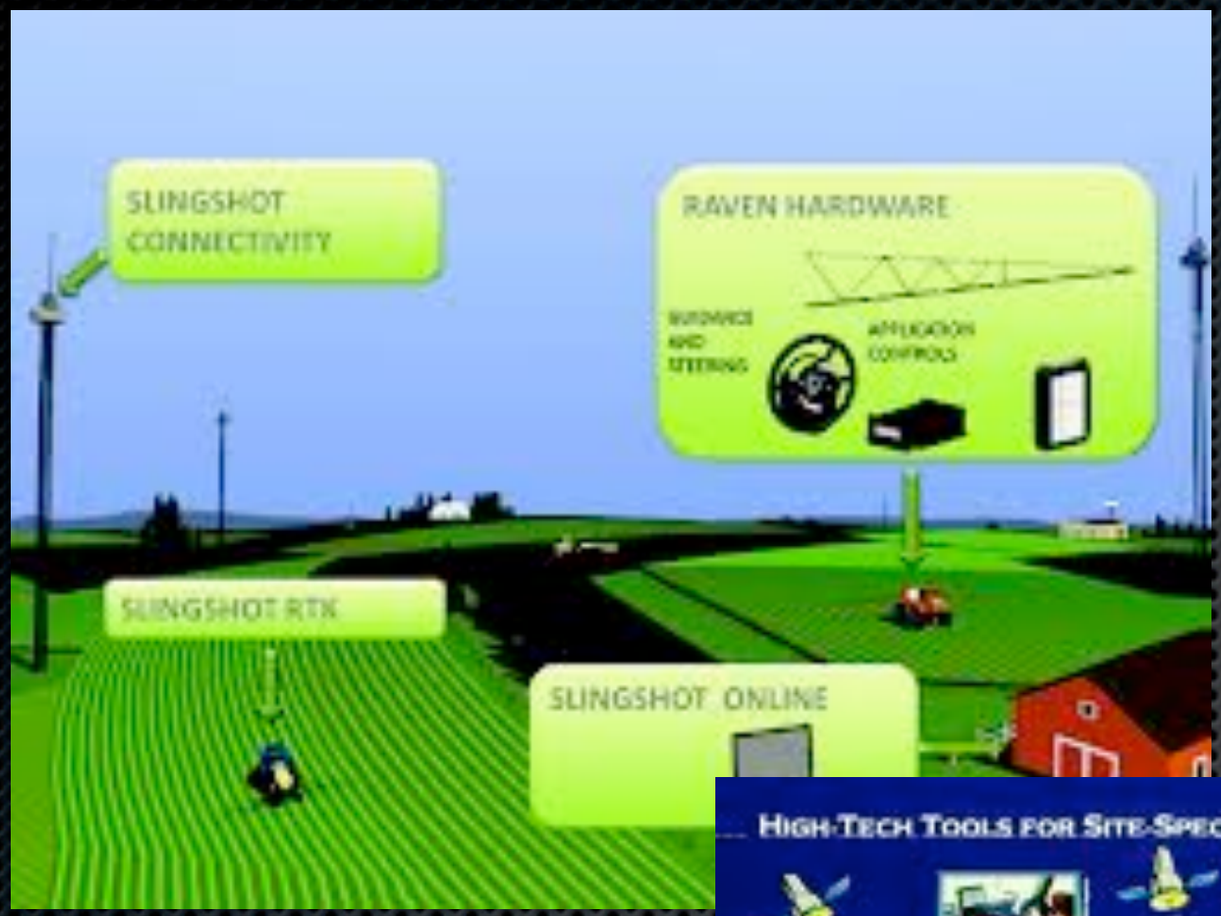


Salesforce.com

Cloud Based Apps for Agricultural Operations

AN OVERVIEW





Precision Farming Applications

Download iHerd on your mobile device now.

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iHerd

Livestock Management

FITS : MA BE Farming

Production | Inventory | Sales | Settings

Bert Dening | Change Password | Sign Off

Overview | Detail | Batches

Inventory Overview

Type: All Products | Category: All Categories | Ship Date Limit:

Inventory

Category	Product	Allocated	Quantity	Size	Value
BEEF	10101 BEEF GROUND	0 Box	2089 Box		$8356.00
BEEF	0102 BEEF STEW MEAT	0 Kg	2.6 Kg		$71533.80
ingredients	1215 garlic	0 gram	10000 gram		$2500.00
ingredients	1213 ice water	0 gram	100000 gram		$200000.00
ingredients	1212 pepper	0 gram	10000 gram		$20000.00
ingredients	1214 pork	0 gram	1000000 gram		$500000.00
ingredients	1211 salt	0 gram	10000 gram		$10000.00
SAUSAGES	0601 SAUSAGE BREAKFEST PORK cranberry maple	0 Box	2 Box		$14.00

COMODO SECURE

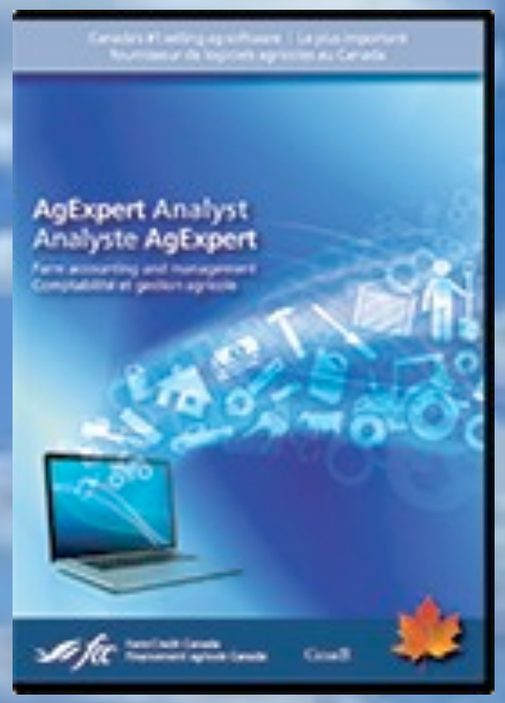
User Manual
Release Notes

Powered by DreverTech

Food Inventory Tracking and Sales

Developed by Alberta Agriculture

Sync via the Cloud “application”



Integrated Farm Management

FCC’s Farm Manager 360 and AgExpert with App

The Hopper.Ag

A Rural Resource Hub!

The Hopper.Ag is a cutting edge, online information management system that connects people with rural interests with information, courses, sites and other tools to advance their personal and professional network and learning.

The Hopper.Ag is tailored to your rural and agricultural interests, information needs and learning style, giving you access to the latest information and learning right at your fingertips.

The Hopper.Ag has been launched. Go to the Hopper.Ag to sign up.

Currently, the Hopper.Ag has been launched and we are linking and indexing to a wide variety of

Add Your Resources

Green Hectares is actively looking for partners to want to share their information, resources and tools with people in the agriculture and food industry, and those who live in rural communities. For more information on how to be a part of the Hopper.Ag,

The Hopper

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