

Unit 4

Software As a Service

Agenda

- Task Management –(Calendar & Scheduler)
- Document services
- Spread sheets and databases
- Social computing Service



G Suite

If there is a job to be done !!!!!

- Chances are, there's a SaaS application to help.
- Email, Project management, CRM, Content marketing, Cold calling
- You can find numerous free applications promising to save time and resources
- You want to create email accounts for all your employees with a particular domain – [Workmail](#), [Gsuite](#)
- Manage your tasks and events - [alexa](#)
- Design without a professional designer – [stencil](#) or [canva](#)
- Scheduling social media posts in advance – [buffer](#)

- Connecting quickly via video chat, using one link – [Appear.in](#)
- Monitor and manage projects with customizable project stages - [Trello](#)
- Collect your visitors' email addresses – [sumo](#)
- Send newsletters and automated mailing campaigns to your subscribers – [Mailchimp](#)
- Create your own, publicly available website, with simple drag and drop editor – [WIX](#)
- Manage your leads/contacts/marketing in one place – [Hubspot CRM](#)

Software as a Service

- IaaS- Computing as a Service
- PaaS- Application Development Platforms
- SaaS -Generic applications can be created as a service
- Users use the applications directly without installing any software in their system
- Applications execute in the browser.
- Youtube, gmail, google docs, facebook,
- The software will be available for multiple platforms and can be used any of the user devices

Traditional vs SaaS

Traditional Packaged Software	Software as a service
Build your own	Plugin, subscribe & pay per use
Designed for customers to install, manage and maintain	Designed from the outside and set up for delivery as Internet-based services
Architect solutions to be run by an individual company in a dedicated instantiation of the software	Designed to run thousands of different customers on a single code
Infrequent, major upgrades every 18-24 months, sold individually to each installed base customer	Frequent, "digestible" upgrades every 3-6 months to minimize customer disruption and enhance satisfaction.

-contd...

Traditional Packaged Software Software as a service	
Version control, upgrade fee	Fixing a problem for one customer fixes it for everyone
Streamlined, repeatable functionality via Web services, open APIs and standard connectors	May use open APIs and Web services to facilitate integration, but each customer must typically pay for one-off integration work.

Advantages of SaaS

- Application available for short time, then pay per use
- Some applications are customizable, then payment can be for the features use
- It helps software not to be pirated
- Newer versions can be delivered easily
- Hence, lowers support cost
- The application vendor also gets a wide insight about the customer behaviour and their requirements
- SaaS has expanded the cloud wider.

Disadvantages

- Security Issues
- Data is stored by vendor of software
- Some applications are not offered through SaaS
- Must have a strong internet connection (fast and reliable)
- Customization

The Cloud Spectrum



What kind of Applications as SaaS?

- Enterprise Software Application
- Single-User software application
- Infrastructure software
- Embedded Software

Enterprise Software Application

- Perform business functions
- Organize internal and external information
- Share data among internal and external users
- The most standard type of software applicable to SaaS model
- Example:
 - Salesforce.com CRM application
 - Siebel On-demand application

-contd. Single-User software application

- Organize personal information
- Run on users' own local computer
- Serve only one user at a time
- Inapplicable to SaaS model
 - Data security issue
 - Network performance issue
- Example: Microsoft office suite

-contd. Infrastructure software

- Serve as the foundation for most other enterprise software application
- Inapplicable to SaaS model
 - Installation locally is required
 - Form the basis to run other application
- Example: Window XP, Oracle database

-contd. Embedded Software

- Software component for embedded system
- Support the functionality of the hardware device
- Inapplicable to SaaS model
 - Embedded software and hardware is combined together and is inseparable
- Example: software embedded in ATM machines, cell phones, routers, medical equipment, etc

Email CaaS - Features

- Secure
- Managed
- Accessibility
- Availability
- Cost efficient

AWS – Service for Email –WorkMail

GoogleApps – Service for Email – GoogleApps forWork

SaaS

G Suites

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G Suite



G Suite

- G Suite - previously GoogleApps forWork and GoogleApps for Your Domain is now G Suite
- It is brand of cloud computing, productivity and collaboration tools, software and products developed by Google, first launched on August 28, 2006
- Google – email client – Gmail – top providers of email
- Gmail – just an email service. Users who have gmail account can have access to G Suite
- **G Suite's** Basic edition includes **30GB** of online storage per user.
- For unlimited storage, upgrade to the Business or Enterprise edition.

What you can do?

- You can
 - **Connect** – reach your colleagues wherever they are
 - **Access** – store file and find what you need instantly
 - **Create** – everything you need to bring your project to life
 - **Control**- manage users, devices, and data securely and easily

G Suite Services

- **Drive** – cloud storage, file backup systems
 - All files, photos etc.
 - **15GB space** , Allows to purchase more space
- **Docs** – Write documents
 - Leave it as it is, it will save automatically
- **Sheets** – create worksheets
- **Slides** – can be converted in any platform
- **Forms** – for survey, Data stored in sheets

- Calender – Reminder, schedules
- Groups – connect users into one
- Sites – to create simple sophisticated web pages
- Hangouts – to communicate with your friends, customers either through texting or video calls
- Blogger – run your own blogger
- Classroom – for teachers to connect to students, setting assignments
- G+ - Social network profile
- You tube – account to create your own video channel and post your videos there

Specific Products



Unlimited no. of users
Unlimited storage for
each user

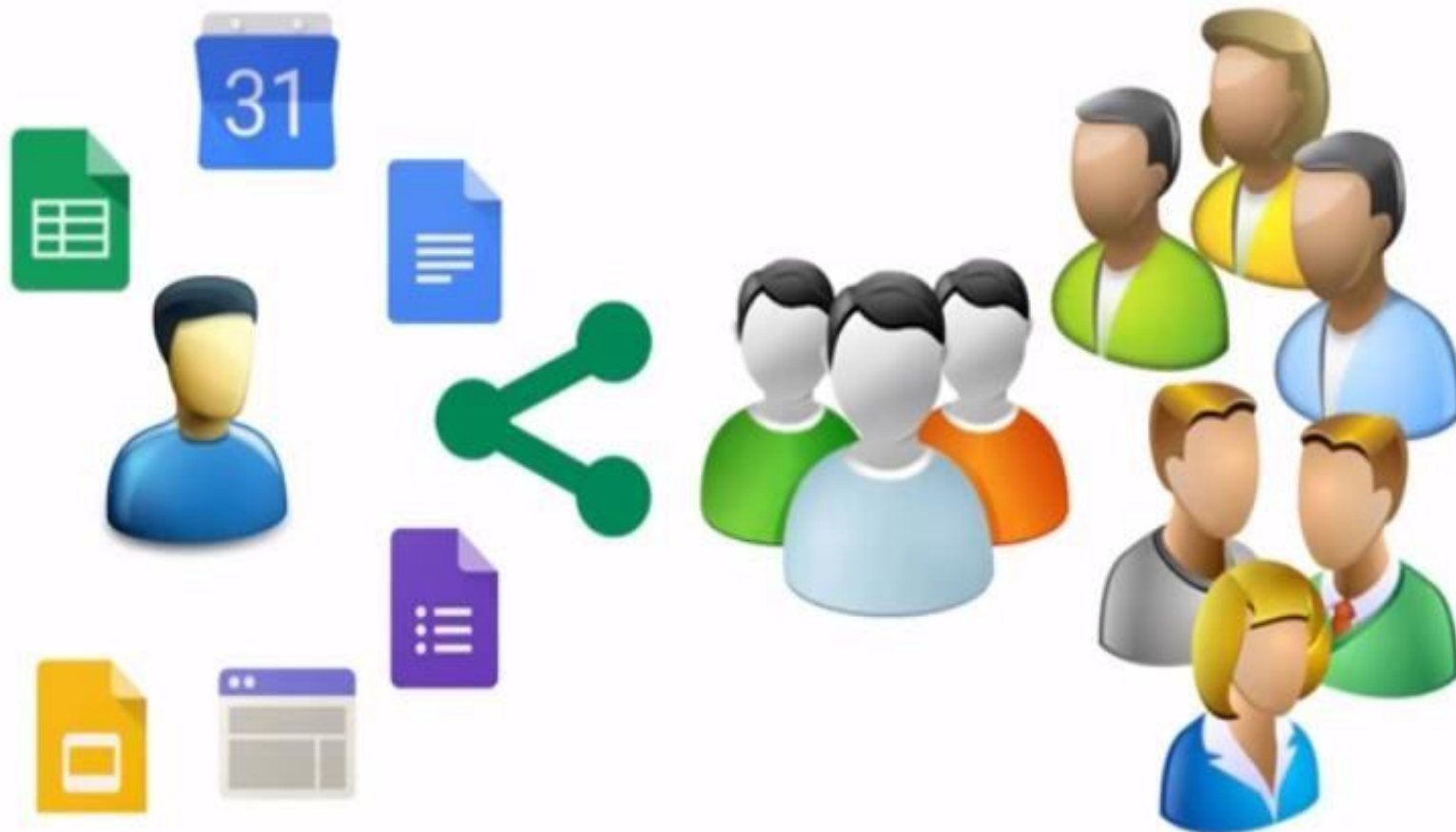


Commercial site for
Private organization

Any Platform...



Shareable, editable, Versioning



Where you can find??

- Open gmail account, use the apps icon at the top right corner
- Click on it and start using it.



Document Service

- Fully managed, secure, enterprise document storage and sharing service
- Key features and benefits
 - Administers can add file, delete, modify
 - Drag and drop
 - Across multiple devices
 - Office docs
 - Txt files
 - Users can share internally and externally