CAM INFO SERVICES

Cam Info Services, CIS

(Goal: Doing business with people who believes in what you believe)

www.caminfoservices.com

By: Mr. SUN Socheat

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About SUN Socheat (ME)!

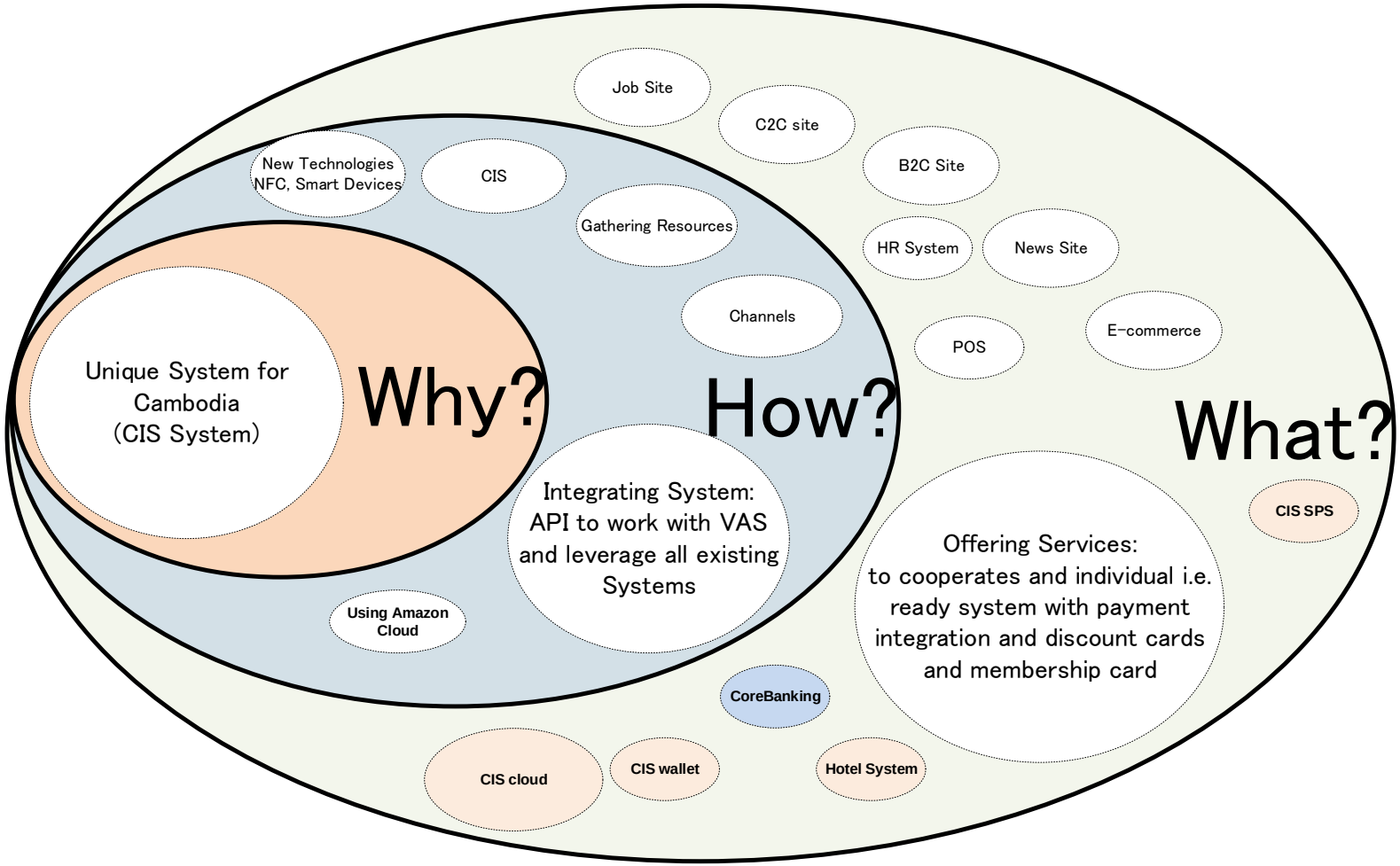
Statement: Me.Is ("Entrepreneur with ICT engineer background backed by Mathematics base");

- Until now: analyst, design and develop system
- Master: ML, Research and Experiment
- Working: System analyst, design, and Develop
- BA: Programming and Data Structure Algorithm
- < BA: Mathematics subject the most

Current Status:

- Function as President of the company
- As part-time lecturer about 11 years
- As ICT National Advisor (Consultant)
- Self-study on ML, IoTs, OCR, Bot

Start up point: *Doing business with people who believes in what you believe*

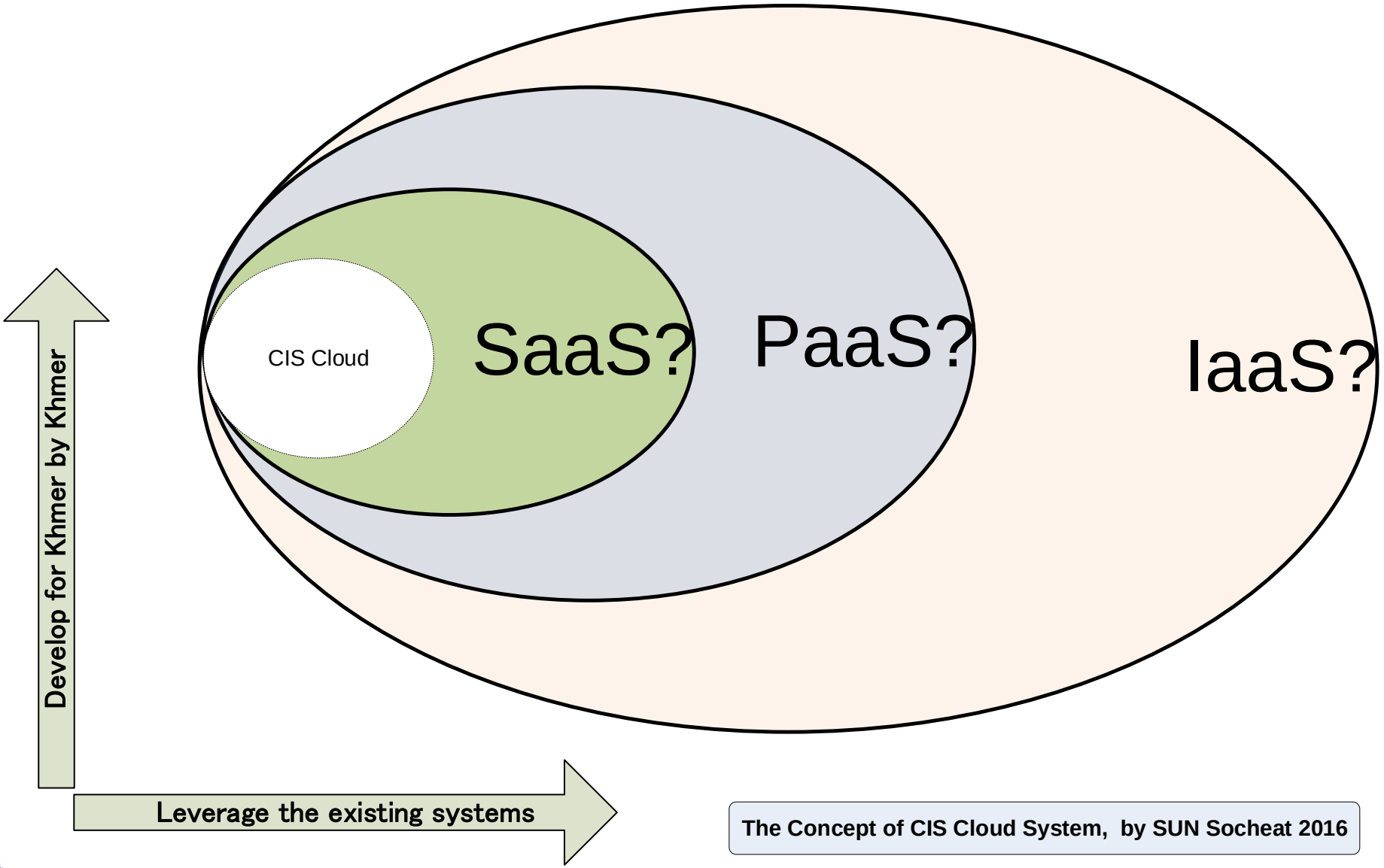


Develop for Khmer by Khmer

Leverage the existing systems

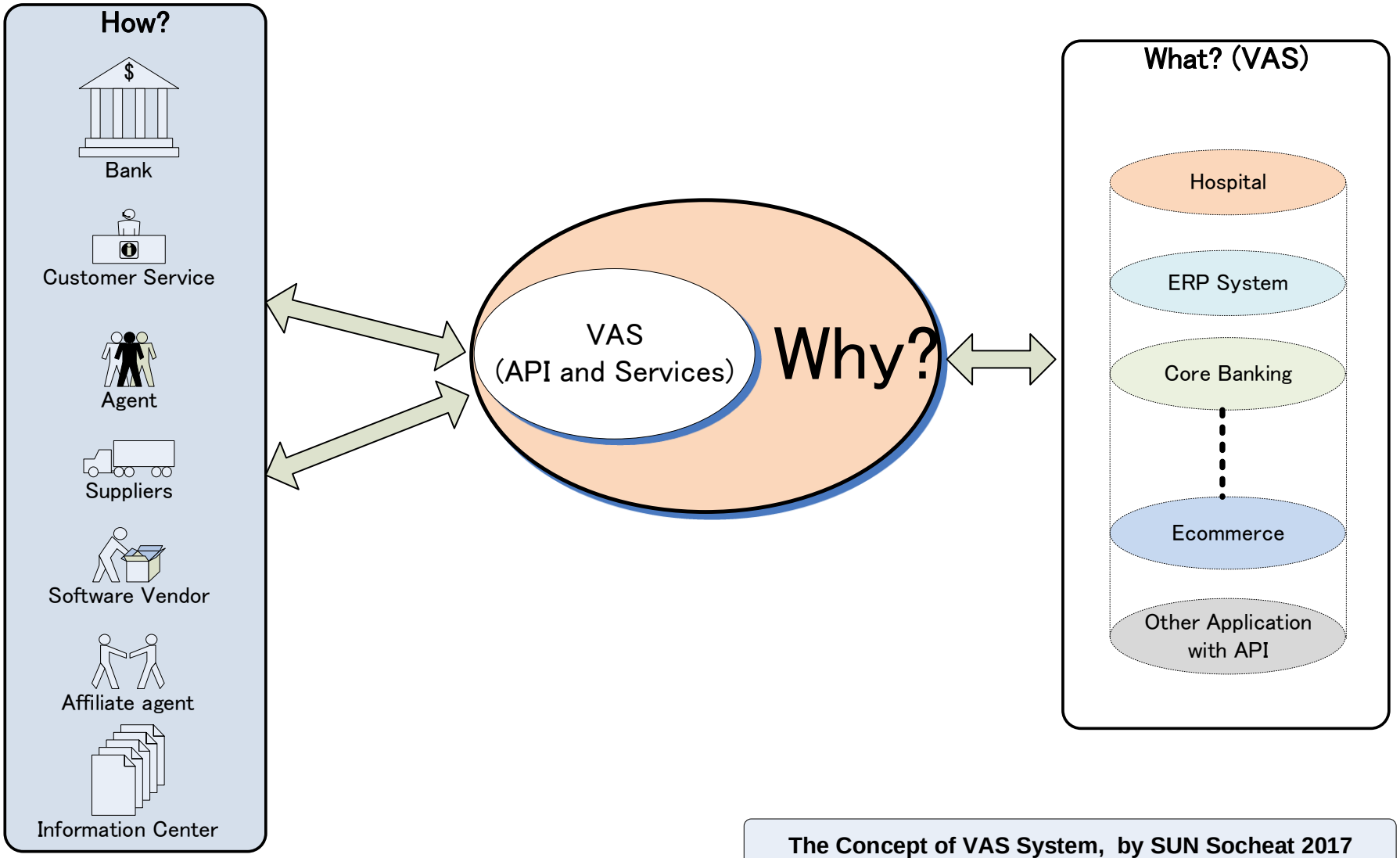
The Concept of CIS System, by SUN Socheat 2017

Cloud computing model: Why does a local provider can not achieve?



The Concept of CIS Cloud System, by SUN Socheat 2016

Whole System of Value Added Services (VAS)



The Concept of VAS System, by SUN Socheat 2017

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Cam Info Services Co., Ltd. (CIS) is a professional network solution, website design solution and system development solution firm in Cambodia. Our consultants who graduate internationally and locally are dedicated to assure the customers excellent services and supports at any time.

- Our Vision: To be the best ICT solution provider in Cambodia as well as in the region

- Our Mission: To solve our client's ICT challenges and ease their business regardless the technology barrier.

- We always consider fast computer service
- Quality control
- Cost Effectiveness

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Service and Expertise:

- Website Development
- System Development
- Core Banking
- Network Infrastructure
- Website Hosting and Domain Registration
- ICT Consulting
- Security Camera System
- Smart Phone App
- E-marketing

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- ERP System
- MFI System
- E-Commerce
- Road Survey System
- Smart Home Solution System(S365)
- Vehicle Technical Inspection Automation System
- Vehicle Operation Licensing System
- Human Resource Management System(H365)
- Document Management Database
- Point of Sale (POS)
- Inventory Management System
- Car Arrangement System
- Annual Work Plan Database
- PABX Tracking System
- Medical Store System
- CIS Hotel Management
- Smart Phone Apps

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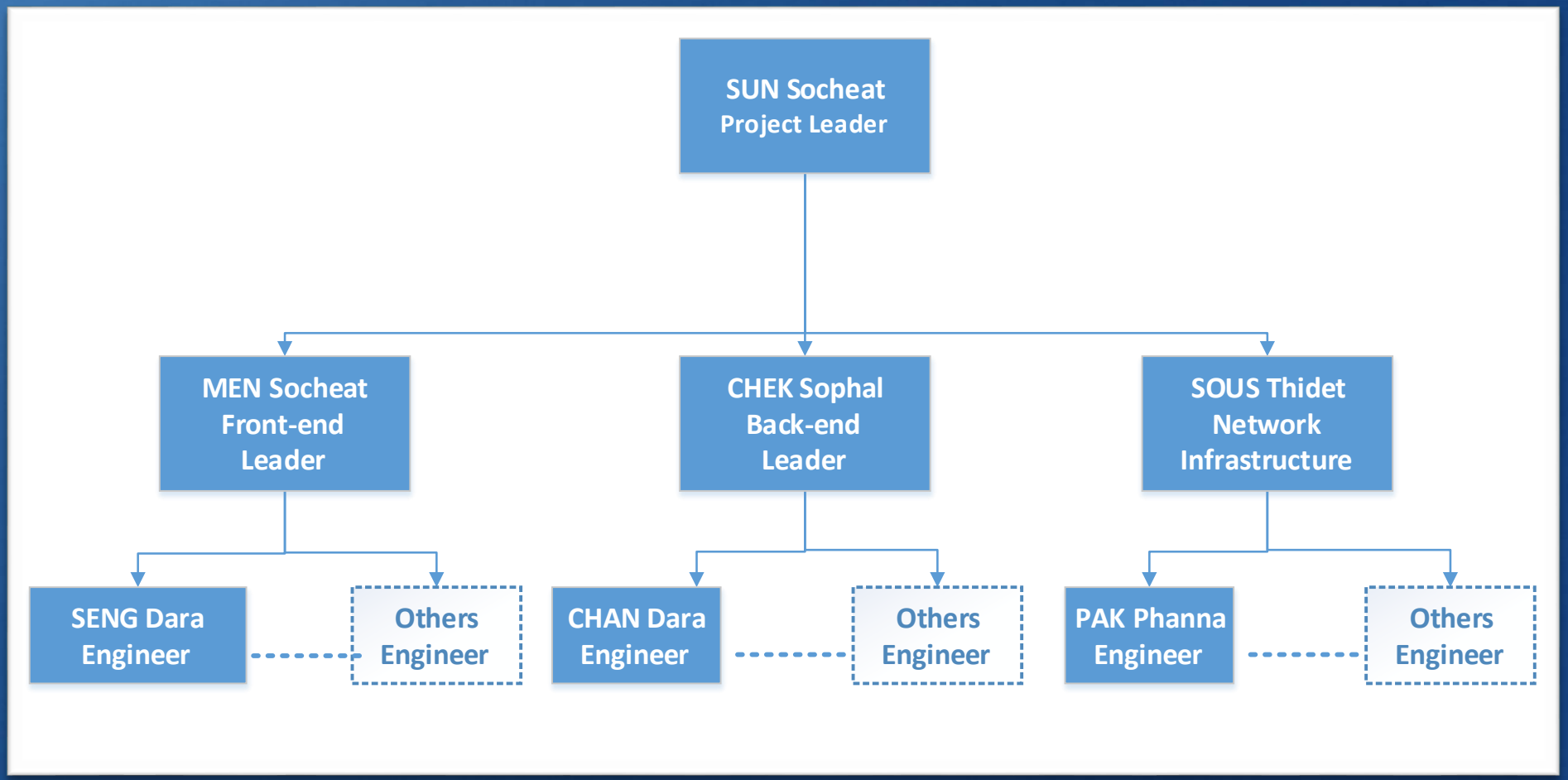
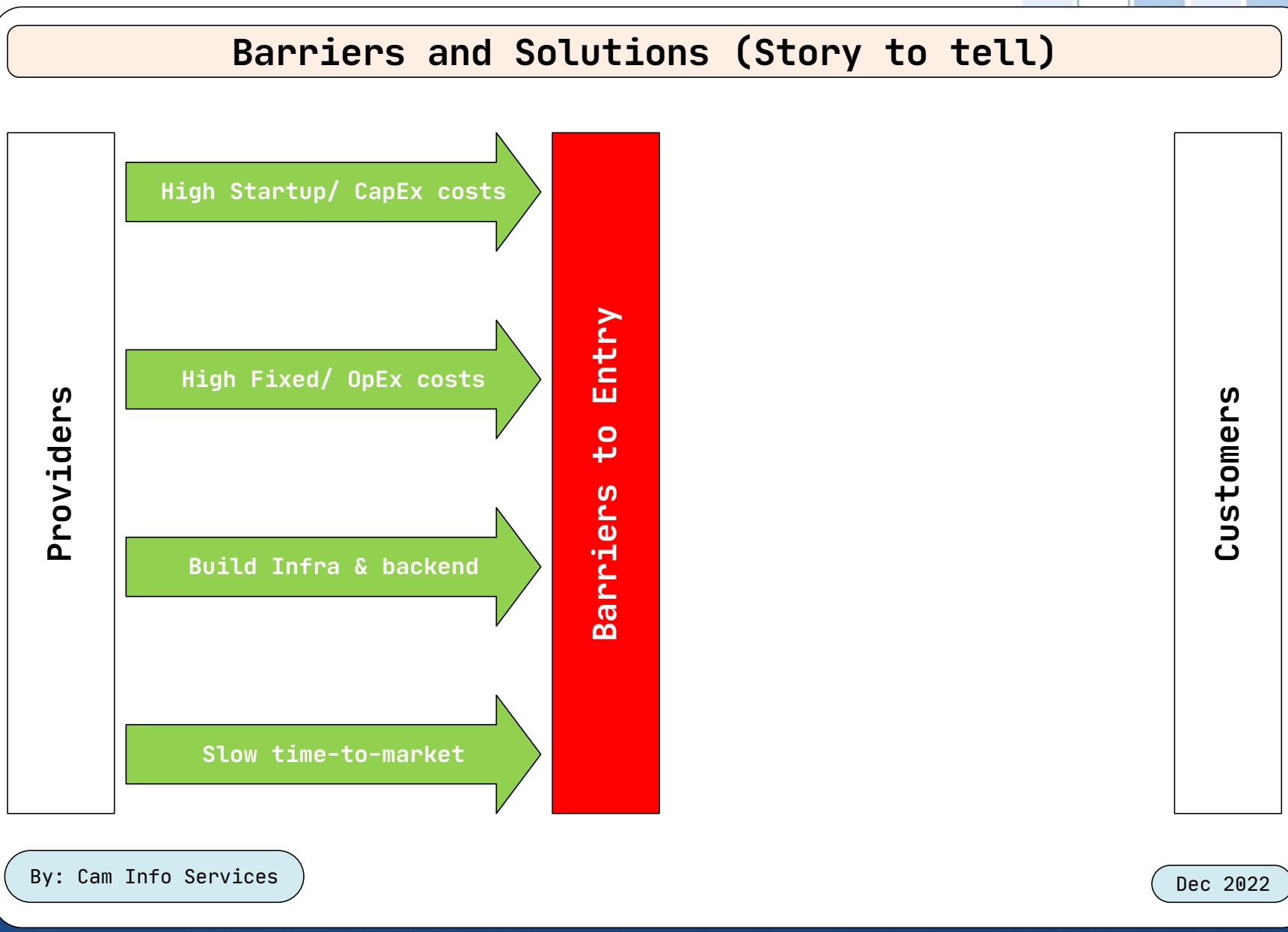
Organization Chart

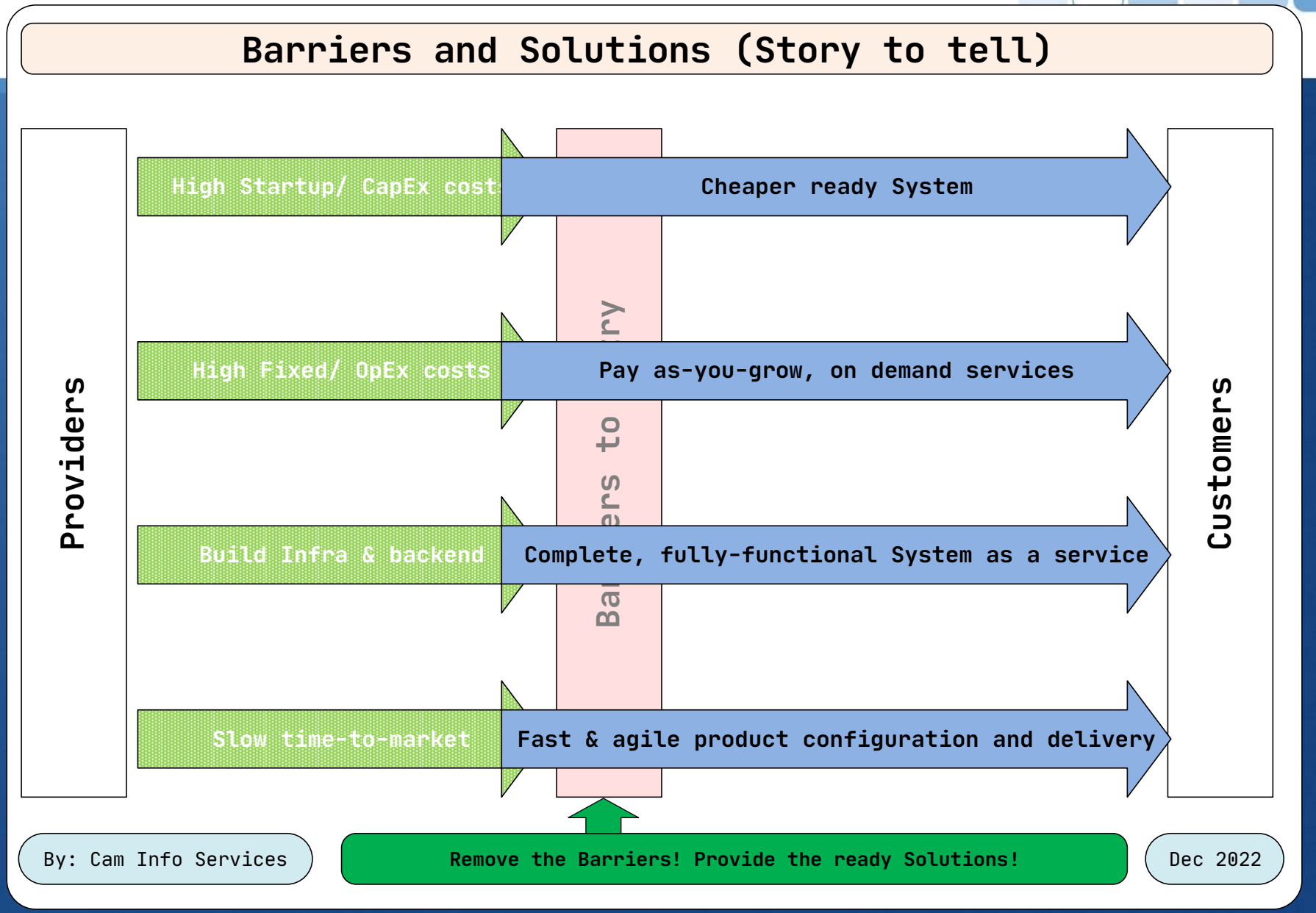


Total staff : 16

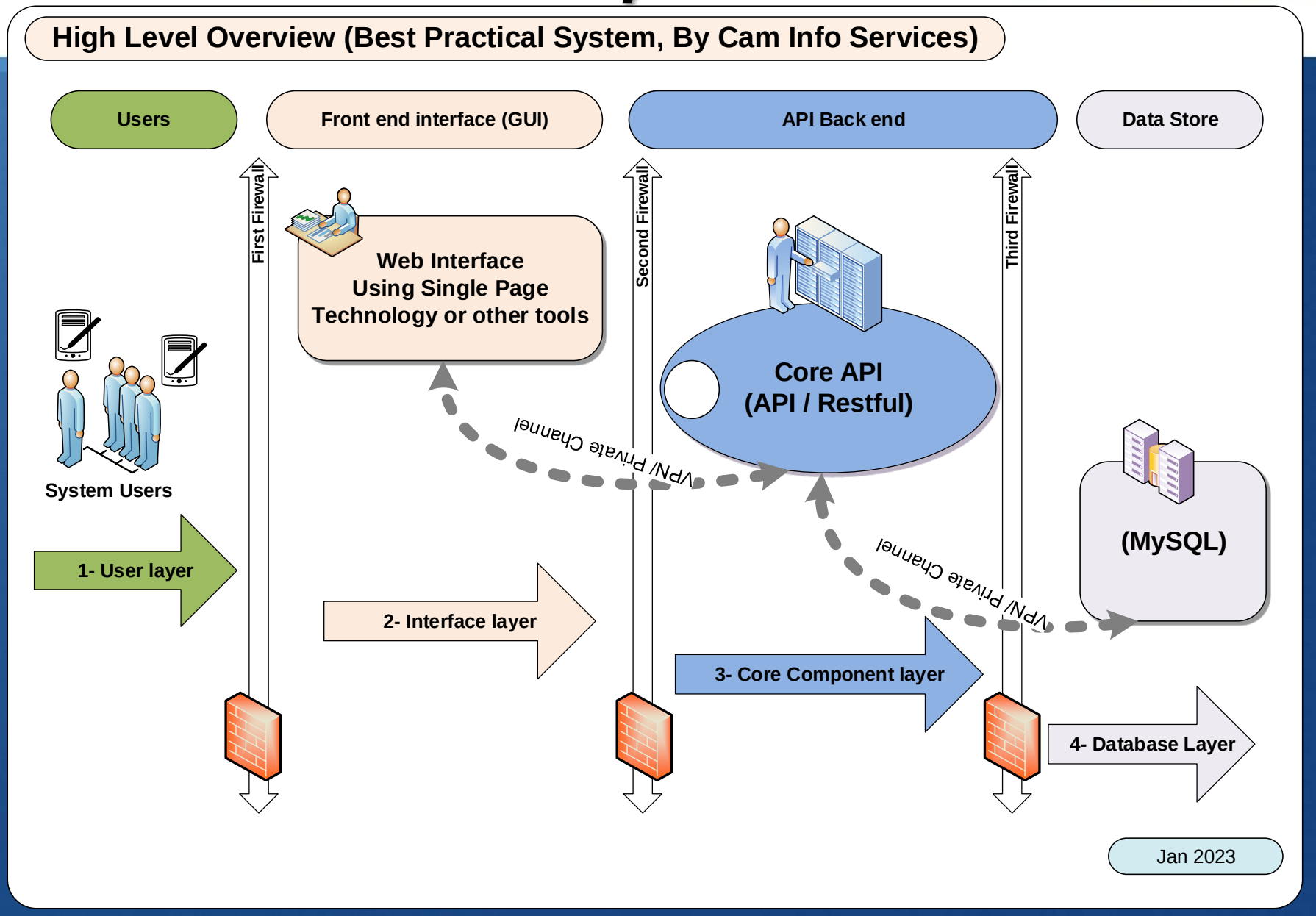
Barriers and Solutions (Story to tell)



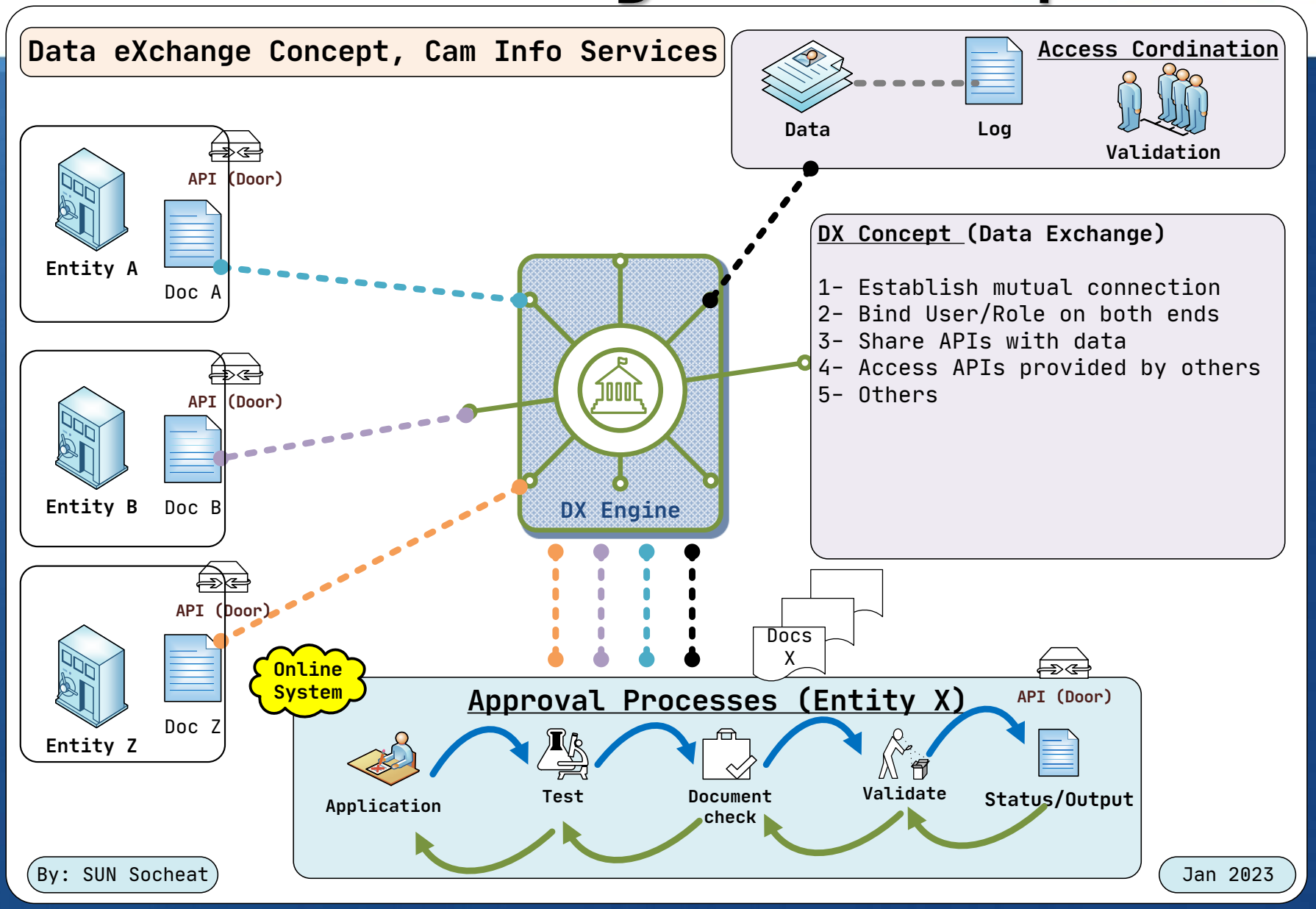
Barriers and Solutions (Story to tell)



Practical System



Data Exchange Concept



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Web Service

Types of Web Services: The following are the types of web services used to communicate with clients and servers.

- SOAP Web Service
- REST Web Service
- WSDL (Web Service Description Language)

What is a Web API?

A Web API stands for Application Programming Interface. It is a software application that allows two different applications or machines to interact with each other without any user interference. The API contains a complete set of rules and specifications used when interacting with any web application.

References:

- *https://www.javatpoint.com/soapui-web-services-vs-web-api*
- *https://www.guru99.com/api-vs-web-service-difference.html*
- *https://blog.hubspot.com/website/web-services-vs-api*

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Web Service cont.

Features of Web APIs: The following are the important features of SOAPUI tools.

- Language independent
- Personalization
- Efficiency
- Wider reach
- Data ownership
- Easy integration with GUI
- Time Effective

References:

- https://www.javatpoint.com/soapui-web-services-vs-web-api
- https://www.guru99.com/api-vs-web-service-difference.html
- https://blog.hubspot.com/website/web-services-vs-api

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Web Service cont.

Difference Between Web Service vs Web API:

Web Services	Web API
Web service is used to communicate between two machines on a network.	Web API is used as an interface between two different applications for communicating with each other.
It uses HTML requests that can be compressed, but XML data cannot be compressed.	Data can be compressed.
Generally, it uses the HTTP protocol for communication. It also uses SOAP, REST, and XML-RPC as communication.	It may use any means of communication protocols such as HTTP/HTTPS to initiate the interaction between applications.
A web service is just an API wrapped in HTTP.	It's not always be a web-based
All Web Services are APIs.	All APIs are not web services.
It does not have a complete set of specifications, and sometimes it cannot perform all the functions that can be executed by the WEB API.	An API is a complete set of rules and specifications that follow to facilitate the interaction.
It uses XML as structured data for exchanging information and communication.	It uses XML, JSON or plain data as structured data.

References:

- https://www.javatpoint.com/soapui-web-services-vs-web-api
- https://www.guru99.com/api-vs-web-service-difference.html
- https://blog.hubspot.com/website/web-services-vs-api

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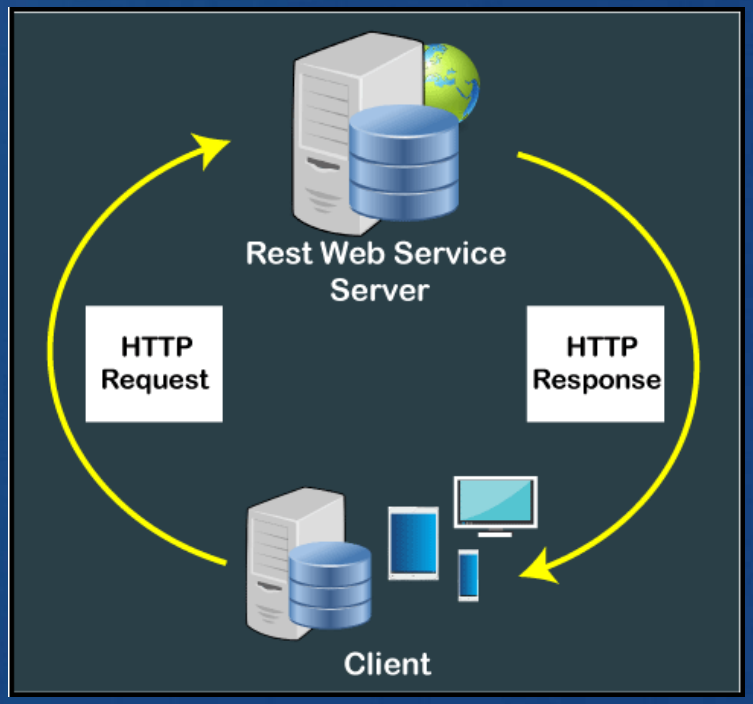
Web Service cont.

HTTP Method of REST web service:

- GET: It is used to fetch information from the resource server.
- POST: It is used to create or insert new information on the resource server.
- DELETE: It is used to remove the records or information from the resource server.
- PUT: It is used to manipulate or update the existing records on the server.



References:

- https://www.javatpoint.com/soap-and-rest-web-services

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Web Service cont.

Advantage of REST:

- REST web services are fast as compared to SOAP because it has no restriction like SOAP. It consumes less bandwidth and resources.
- It is an architectural style for creating lightweight, scalable and maintainable web service.
- It is a language and platform-independent web service that can be written in any programming language and run on Windows, Linux and Mac.
- REST web service helps the client machine access different formats of data such as HTML, JSON, XML, etc. from the webserver.

References:

- *https://www.javatpoint.com/soap-and-rest-web-services*

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Web Service cont.

How to Make a REST API:

- **Python Flask:** Python Flask is a web framework written in the Python programming language. A Flask-RESTful extension is a lightweight tool that allows you to spin up REST APIs quickly.
- **Node.js:** The Node.js framework restify, which is used by tech giants such as Netflix and Pinterest, helps you build production-ready REST APIs at scale.
- **Ruby on Rails:** Beginning with Rails 5, Ruby on Rails includes an "API mode" for easily building web APIs.
- **Spring:** The Spring framework for Java provides an in-depth tutorial for making REST APIs.

References:

- https://www.integrate.io/blog/how-to-make-a-rest-api/
- https://spring.io/guides/tutorials/rest/?utm_source=xp&utm_medium=blog&utm_campaign=content

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Demo & QA