



PART II

ARCHITECTURE

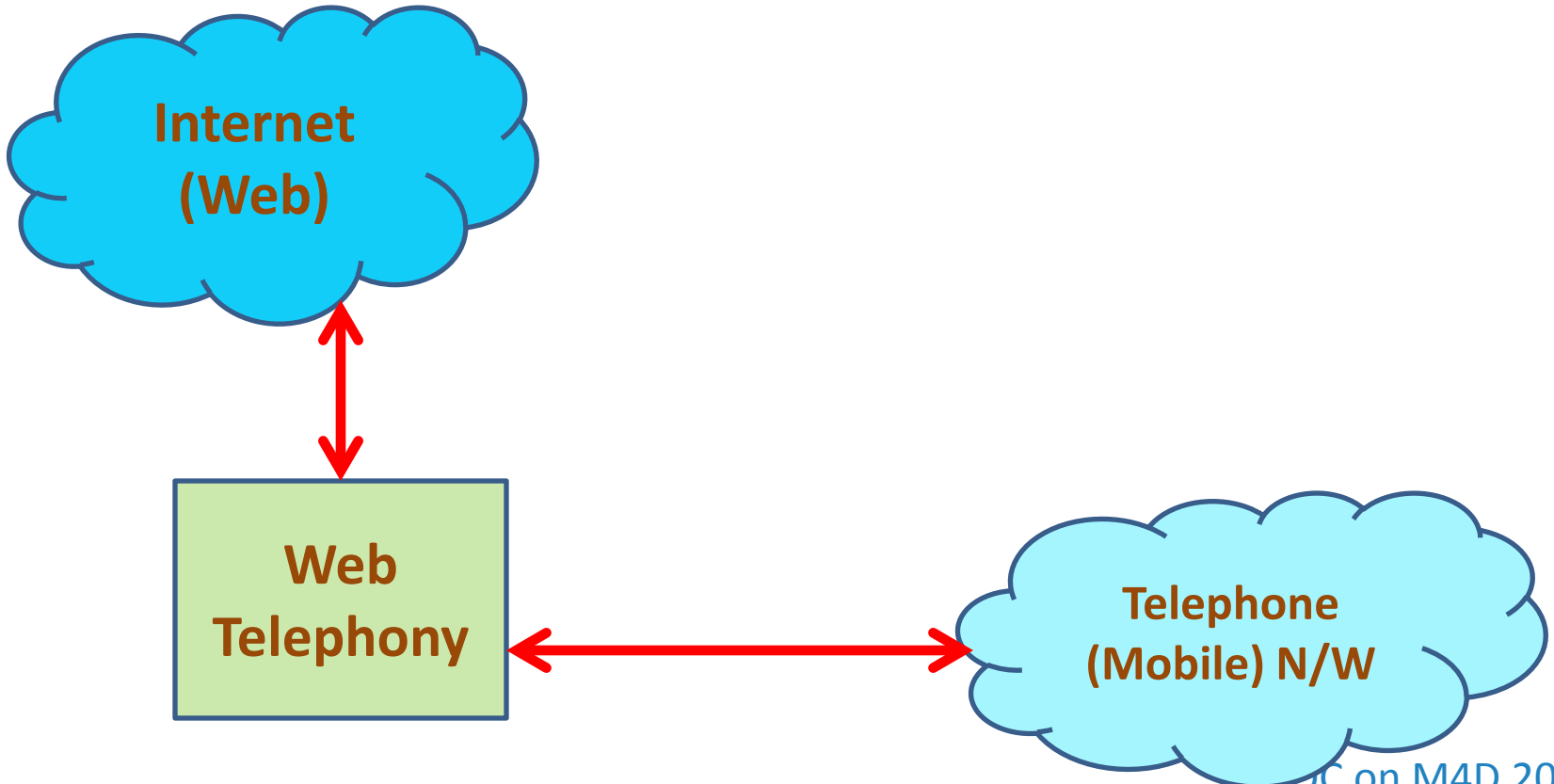
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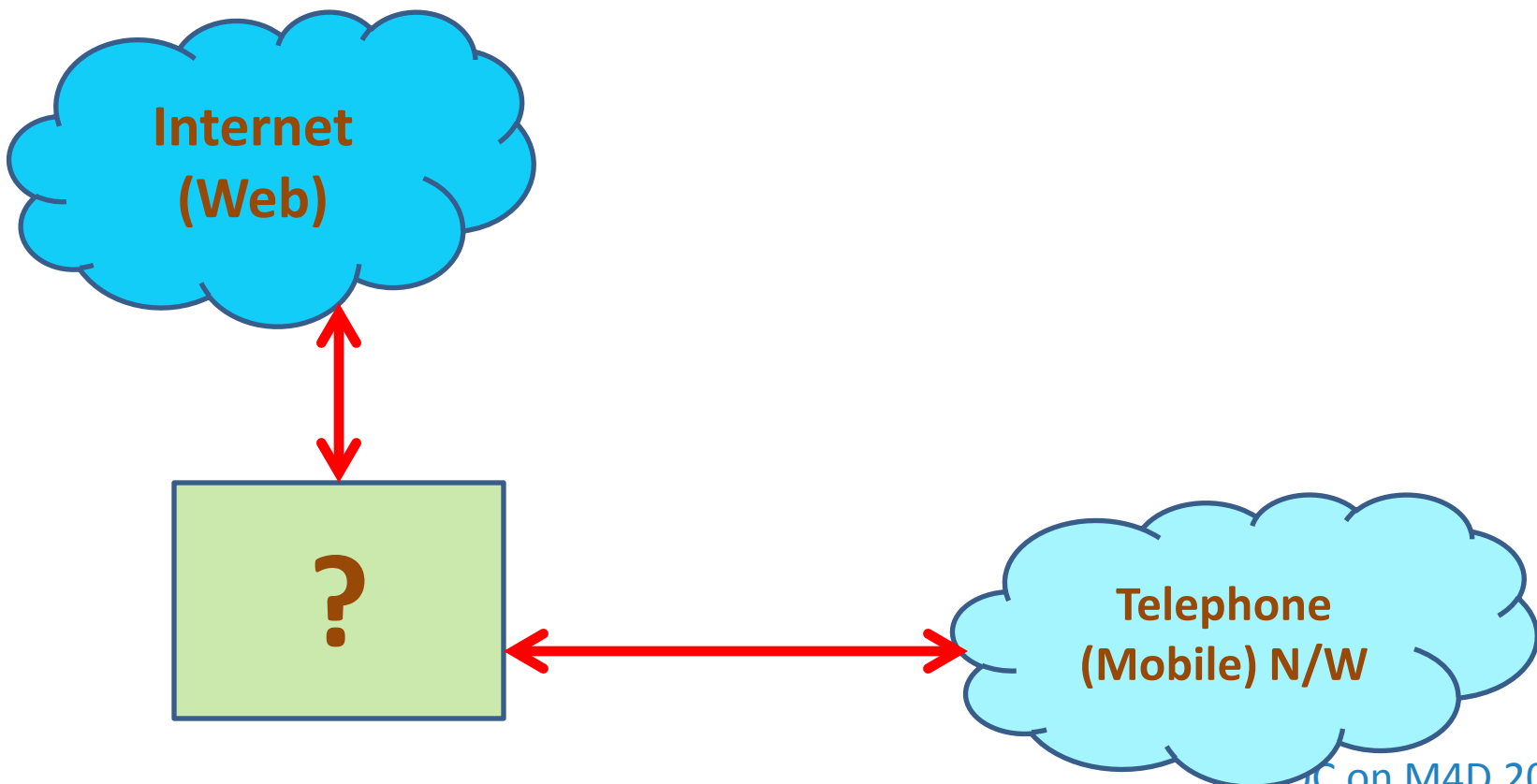
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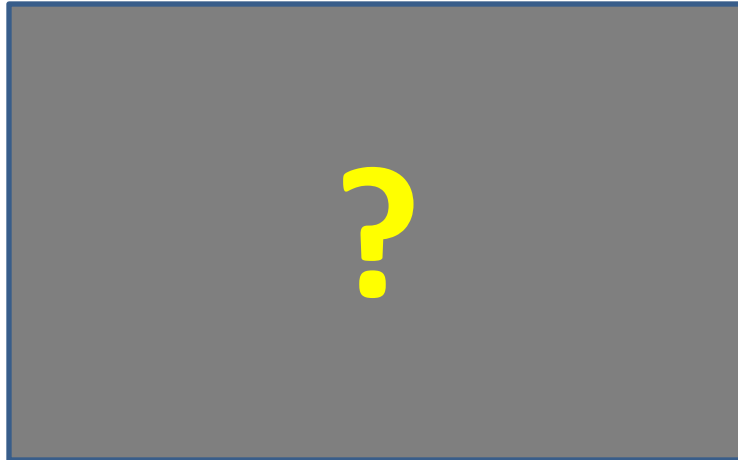
Introduction

What have we done ?

- A “stack” has been developed over which different web telephony applications can be developed
- Three applications have been developed
 - Content Delivery Service
 - X2Y Call Blast Service
 - Latest Alert Service
- These applications are running on the vKvK server
- An “appliance” has also been developed

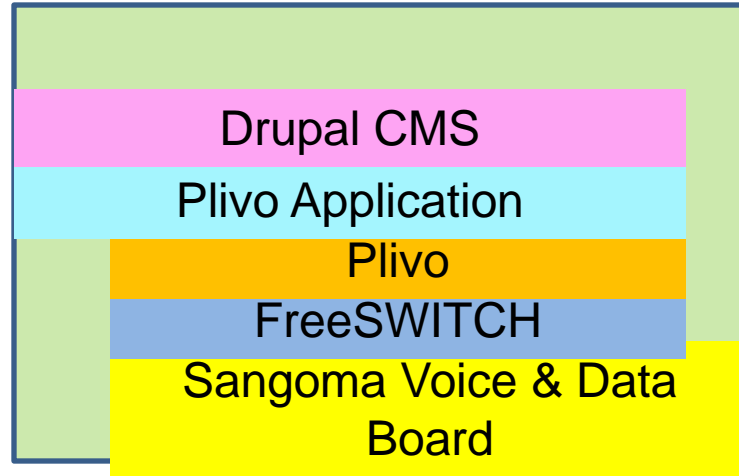




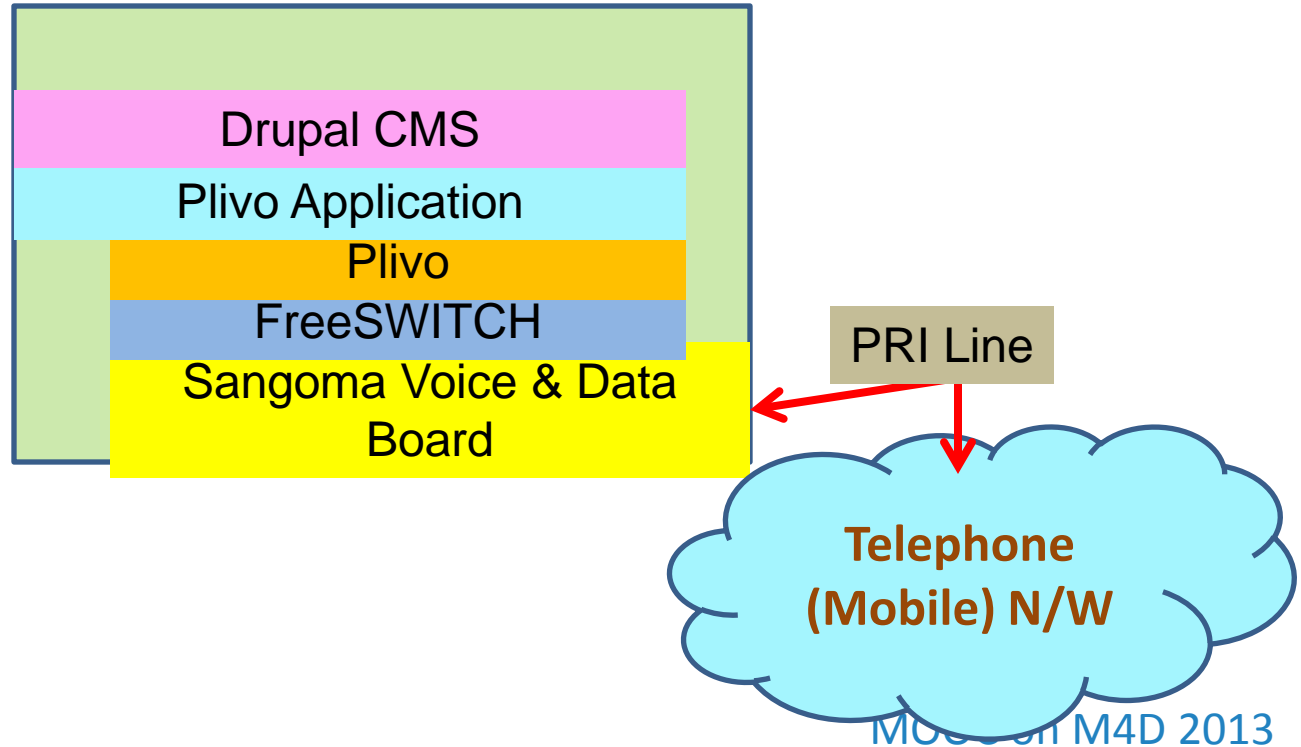


**Ordinary PC
Converted into a
Special Kind of
Communication
Server**

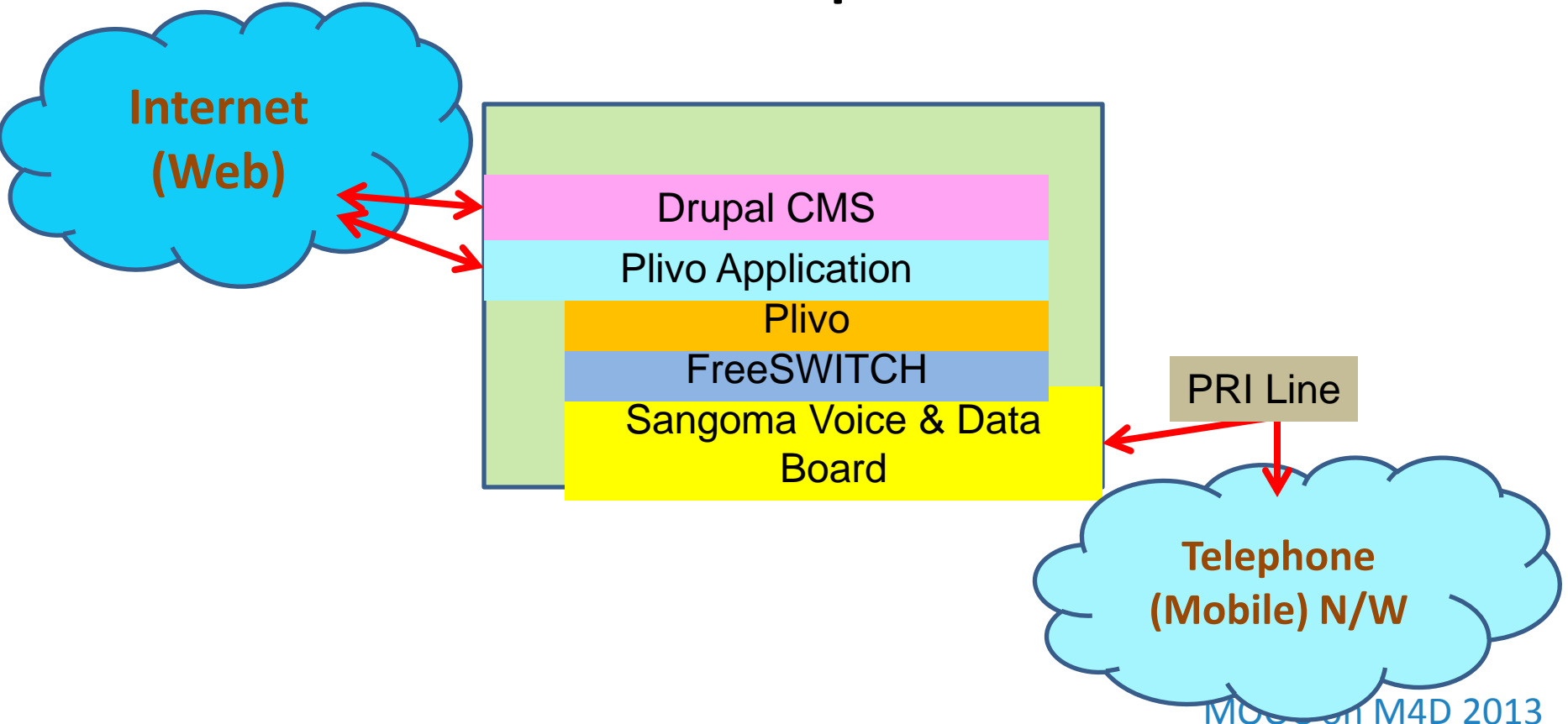
H/W & S/W Components



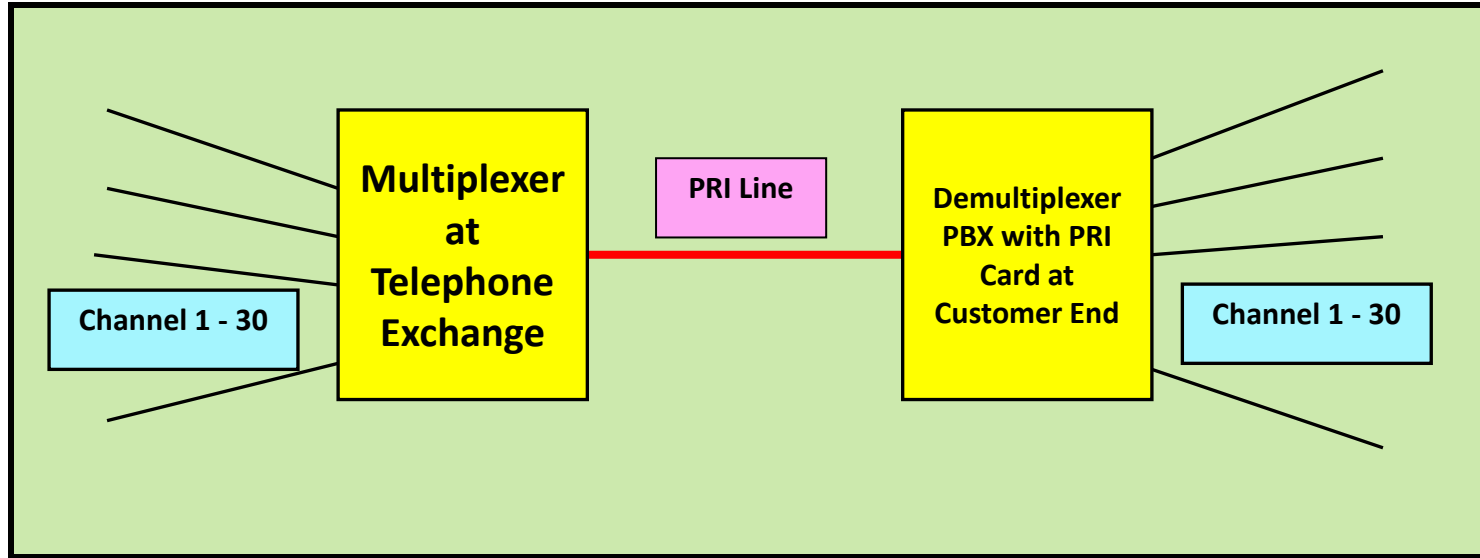
H/W & S/W Components



H/W & S/W Components

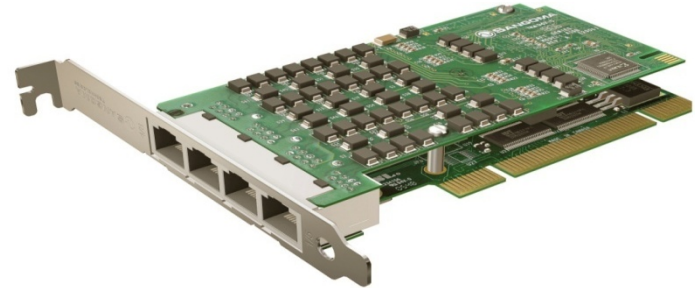


PRI Line



**PRI Line: 30 Channels, 64
Kbps each**

Sangoma Voice and Data Board



FreeSWITCH

- An open source communications software written in C

FreeSWITCH

- An open source communications software written in C
- A telephony platform
 - designed to route and interconnect popular communication protocols (using audio, video, text or any other form of media)
 - on which telephony applications can be developed using a wide range of free tools.

Plivo

- An open source framework to prototype voice apps.

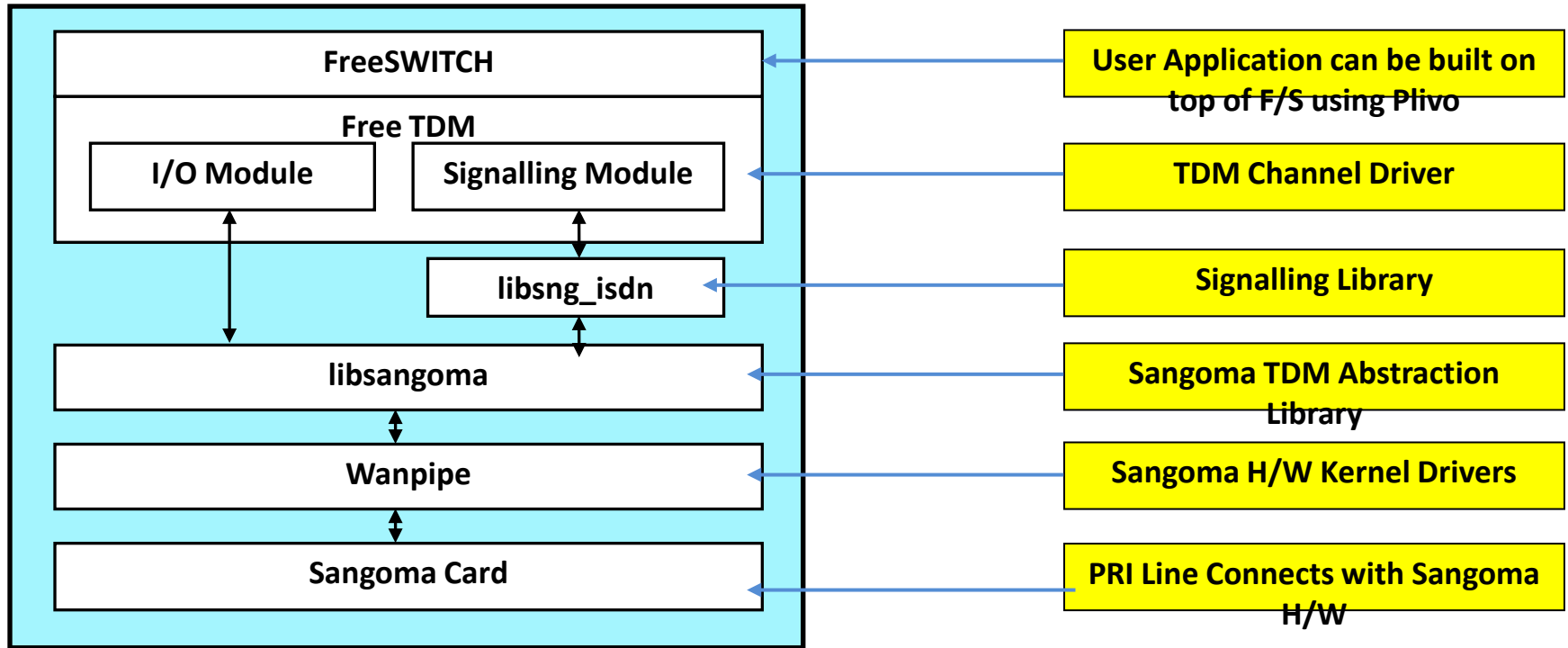
Plivo

- An open source framework to prototype voice apps.
- We can develop custom telephony applications by using Plivo APIs and Plivo XMLs tags

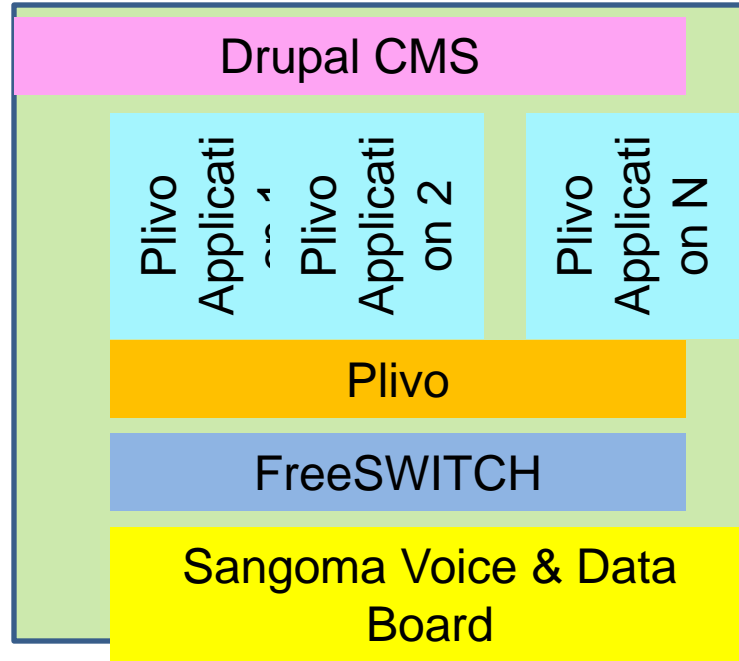
Drupal CMS

- To design a website which can interact with the application
 - Service Administrator can maintain this website
 - Allows web based access to the server hosting web telephony applications
 - Content to be shared can be loaded
 - Users willing to avail the service can be registered

Interaction between H/W and S/W Components



H/W & S/W Components





Thank you

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