

# Virtual SIM

Roaming Services



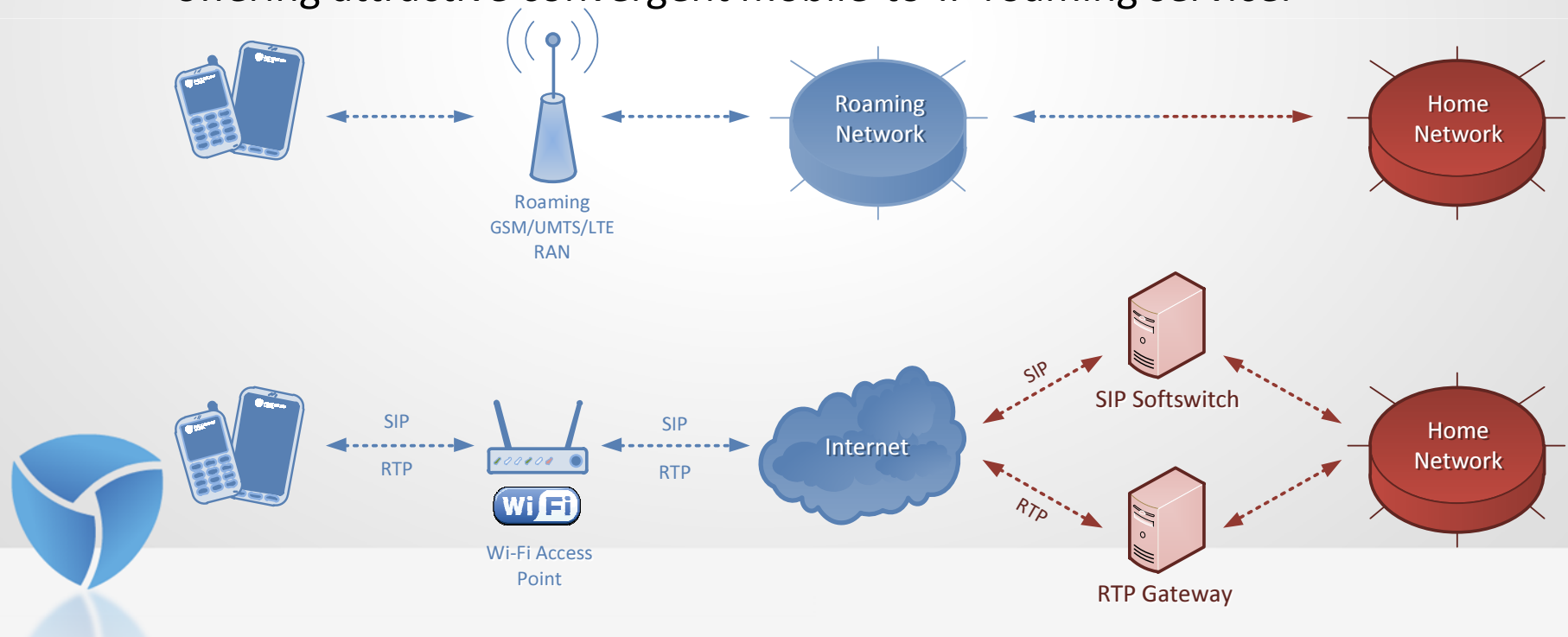
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# Mobile vs. VoIP Roaming

- **VoIP providers** can offer users international calls via IP/Wi-Fi access that is available for free in many locations.
- **Mobile operators** seek to avoid churn to alternative technologies and VoIP service providers, and subsequent loss of revenue, by offering attractive convergent mobile-to-IP roaming service.



# Virtual SIM

- The Procescom Virtual SIM solution provides **mobile-to-IP** and **IP-to-mobile** services.
- Virtual SIM service is targeted at immigrants and people working abroad on temporary contracts which need to make frequent calls and send/receive text messages to their homeland by using a domestic mobile phone number.
- Users are required to purchase a virtual MSISDN number from the service pool which acts as a prepaid mobile number.
- All voice calls and SMS text messages directed from/to this virtual phone number are transferred to the Virtual SIM service provider's network over available IP/Wi-Fi connection.



# Virtual SIM

- Virtual SIM service allows mobile operators to capture some of the subscribers who are looking for international-to-domestic VoIP and text messaging service.
- Since many mobile operators offer flat-rate data plans to their postpaid subscribers, it is also possible to use Virtual SIM service over the mobile data connection in the 3G/LTE mobile networks to increase the service range availability.
- Virtual SIM service users can top-up their credit balance on the service's web page or through Virtual SIM client application.
- If there is no credit recharge made for a certain amount of time (6 months being the default), virtual MSISDN number is automatically revoked to the service pool.



# Virtual SIM

- Virtual SIM service is offered through a smartphone client applications, and comes in two flavours as an:
  - Android Virtual SIM client application; and
  - iOS Virtual SIM client application.
- Service user is required to download and install Virtual SIM client application which provides that the user is always available when there is an IP/Wi-Fi network present.



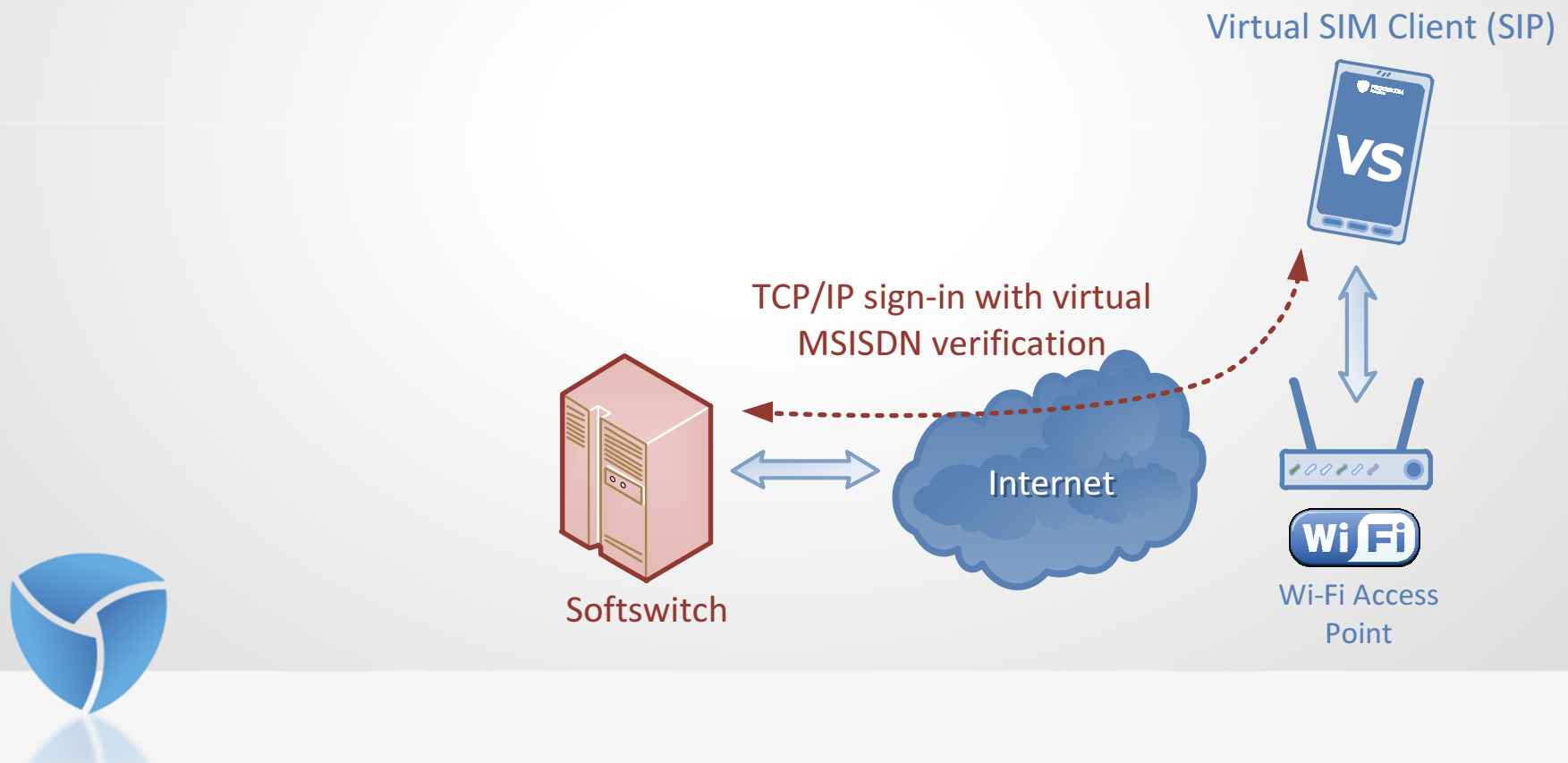
# How it Works?

- When the Virtual SIM client application is active and IP/Wi-Fi connection is present, all voice-calls and text messages directed from/to user's virtual MSISDN number will be transferred to the Virtual SIM service provider's network by using available IP/Wi-Fi data connection.
- If the IP/Wi-Fi connection is not available, and the user has a flat-rate data plan with his local mobile provider, phone's mobile data connection (3G/HSDPA/LTE...) may be used.
- There is no charge made to the user's local mobile provider account.



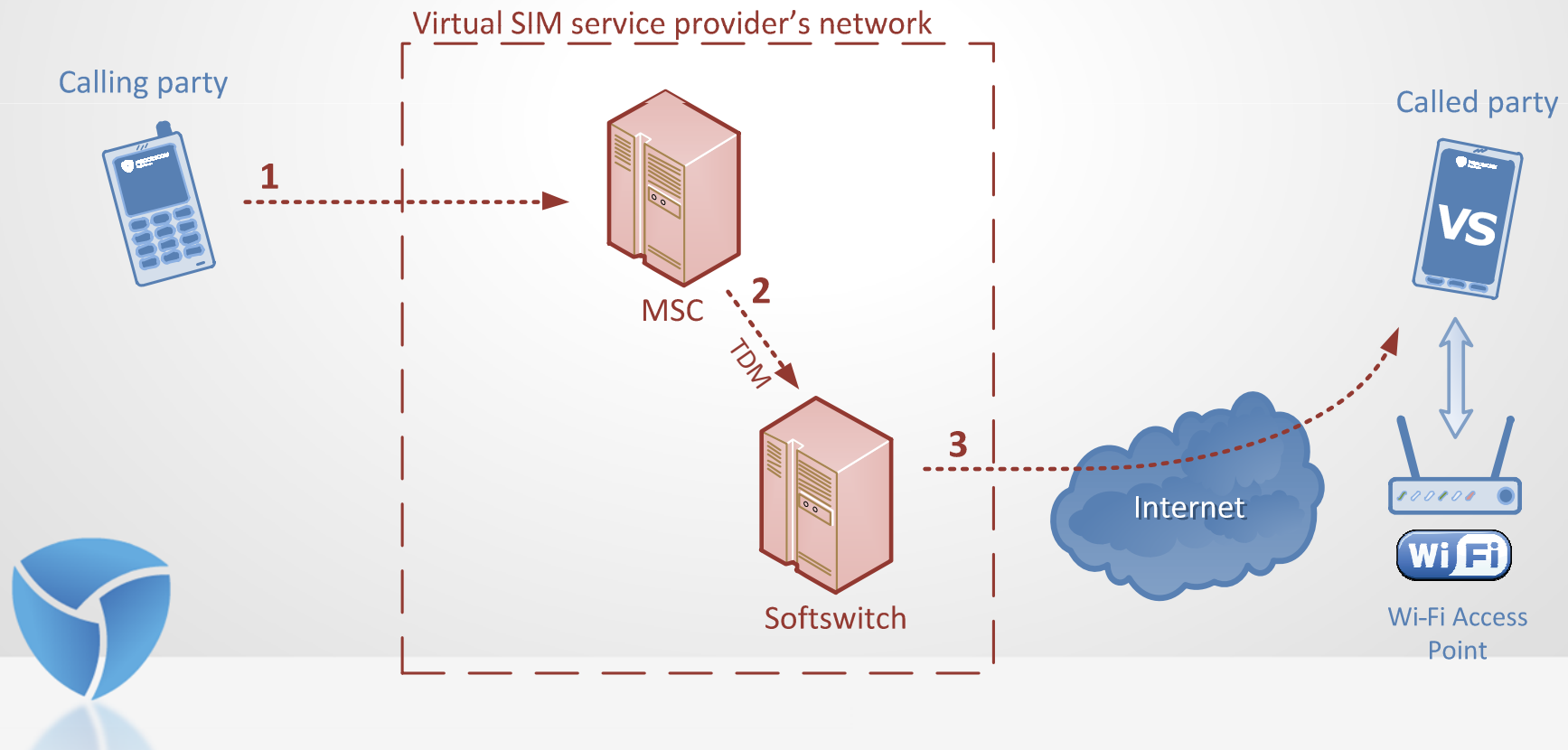
# How it works?

User authentication is done through a TCP/IP sign-in with virtual MSISDN verification.



# How it works?

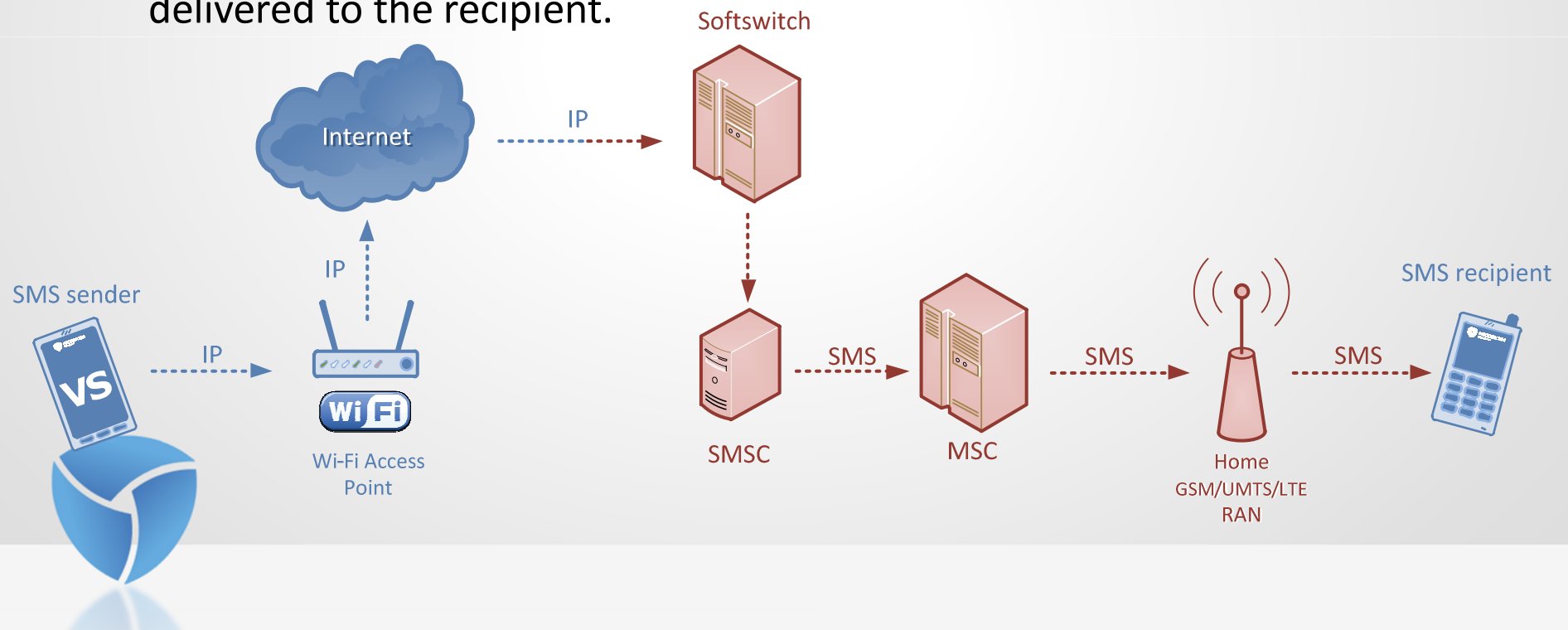
When there is an incoming call for a Virtual SIM user, the call gets switched to TDM and diverted on to the Softswitch in order to be carried over IP network.





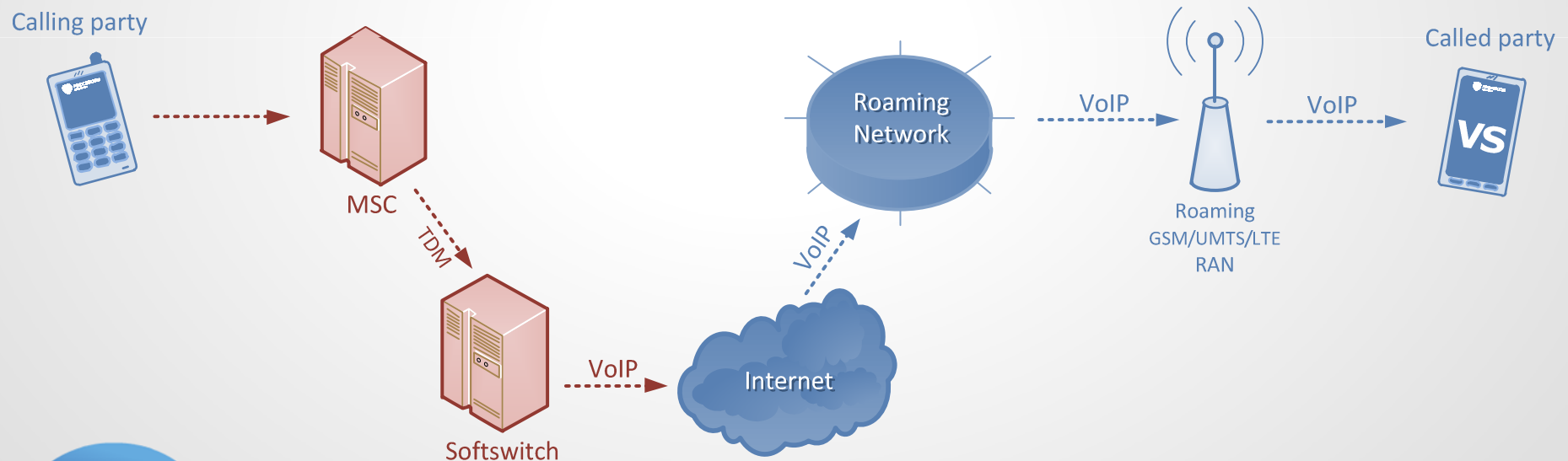
# How it works?

When sending SMS text messages, Virtual SIM client application will encode the message text and recipient phone number and send it over the IP network to the Virtual SIM service provider's network where it is decoded back to SMS and passed to the SMSC to be delivered to the recipient.



# How it works?

If Virtual SIM service user has a flat-rate data plan with his local mobile provider, he can use this mobile data connection to transfer calls and text messages from/to his Virtual SIM client application when Wi-Fi connection is unavailable.



# Key Benefits

- Offers subscribers attractive, low-cost VoIP calls and text messaging service over Virtual SIM client.
- Captures fresh technology/market segment.
- Reinforces operator's brand and logo on user's phones.
- Supports flexible billing modes based on subscriber's location.
- Comes in flavours: as Android and iOS client application.





Got a question for us?



Thank You for Your patience.



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