WebRTC on Mobile Edge Cloud

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Motivation

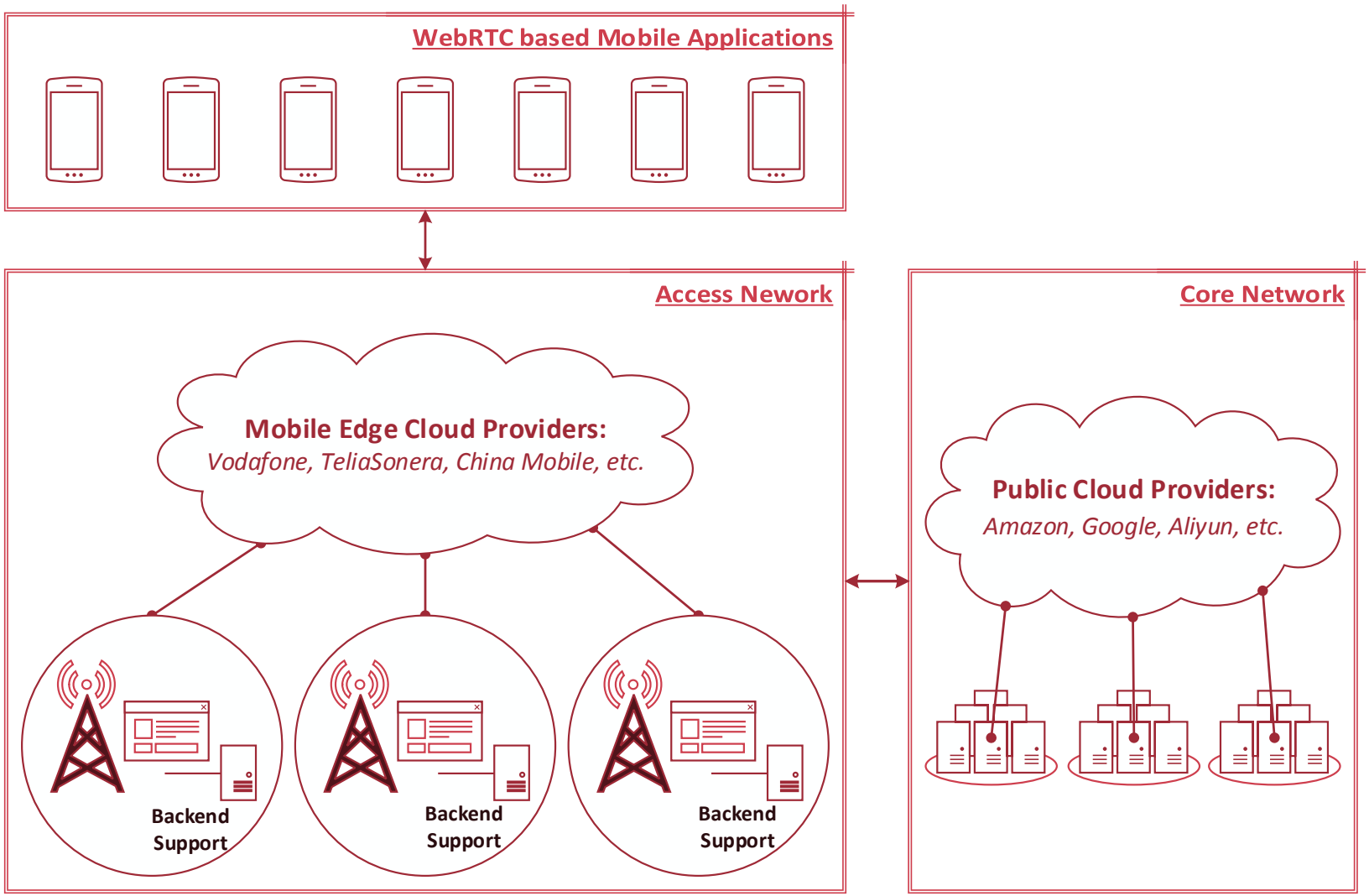
WebRTC

1. Open source plugin-free real-time communication in browsers
2. More than 1 billion unique cross platform endpoints
3. Centralized peer-to-peer optimization as a service required

Mobile Edge Cloud

1. Deployed on access network layer
2. Low latency to mobile end-users
3. "Smart proxy" to process media stream prior to the forwarding

Concept


WebRTC based Mobile Applications
Access Nework
Core Network
Mobile Edge Cloud Providers:
Vodafone, TeliaSonera, China Mobile, etc.
Public Cloud Providers:
Amazon, Google, Aliyun, etc.
Backend Support
Backend Support
Backend Support

Summary

Exchange

real-time video, audio and data between browsers

Deploy

backend services on mobile edge cloud

Improve

user experience on WebRTC based mobile applications

Reduce

bandwidth consumption for mobile network operators

Signaling Service

Multiple Columns

Heading

1. Statement
2. Explanation
3. Example

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Integer lectus nisl, ultricies in feugiat rutrum, porttitor sit amet augue. Aliquam ut tortor mauris. Sed volutpat ante purus, quis accumsan dolor.

Table

Treatments	Response 1	Response 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Table : Table caption

Theorem

Theorem (Mass–energy equivalence)

$E = mc^2$

Verbatim

Example (Theorem Slide Code)

```
\begin{frame}
\frametitle{Theorem}
\begin{theorem}[Mass--energy equivalence]
$E = mc^2$
\end{theorem}
\end{frame}
```

Figure

Uncomment the code on this slide to include your own image from the same directory as the template .TeX file.

Citation

An example of the `\cite` command to cite within the presentation:

This statement requires citation [Smith, 2012].

References

John Smith (2012)

Title of the publication

Journal Name 12(3), 45 – 678.

The End