

5G Network Slicing Enabled Gaming Industry

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用心创造快乐 Dedicated to creating joy





用心创造快乐

Dedicated to creating joy

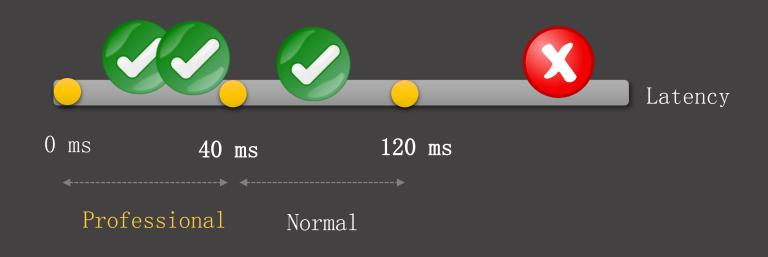
腾讯游戏是全球领先的游戏开发和运营机构,也是国内最大的网络游戏社区。以"用心创造快乐"为理念,通过在多个产品细分领域的耕耘,致力为玩家提供"值得信赖的"、"快乐的"和"专业的"互动娱乐体验。旗下产品布局从最基本的用户需求、最简单的应用入手,注重产品的可持续发展和长久生命力,打造绿色健康的精品游戏。在开放性的发展模式下,腾讯游戏采取内部自主研发和外部多元化合作两者结合的方式,已经在网络游戏的多个细分市场领域形成专业化布局,并取得良好的市场业绩,为国内游戏行业的领军者。

Tencent Games is a global leading player in game development and operation with the biggest online gaming community in China. In the philosophy of "dedicated to creating joy", Tencent Games dedicates itself to providing users with "joyful", "professional" and "reliable" gaming experiences via a diversified product portfolio. We meet players' basic needs with simple products and focus on premium games with sustainable development and lasting vitality. Under the open development model, together with external partners, our development team consistently strives for new concepts/creating new games and has formed a professional layout in multiple segments of online games and achieved strong business performance. Today, Tencent is the leader in Chinese online gaming industry.

Gaming Industry (1/4)Real-time multiplayer based battle type of game

Mobile gaming formats become more diverse than before and have high demands for mobile system performance.





Gaming Industry (2/4) "Winner Winner, Chicken Dinner"



Mobile gaming formats become more diverse than before and have high demands for mobile system performance.





A team with 100 people, bandwidth $> 300 \mathrm{KB/s}$

Gaming Industry (3/4) Location Based Game + Augmented Reality



Mobile gaming formats become more diverse than before and have high demands for mobile system performance.

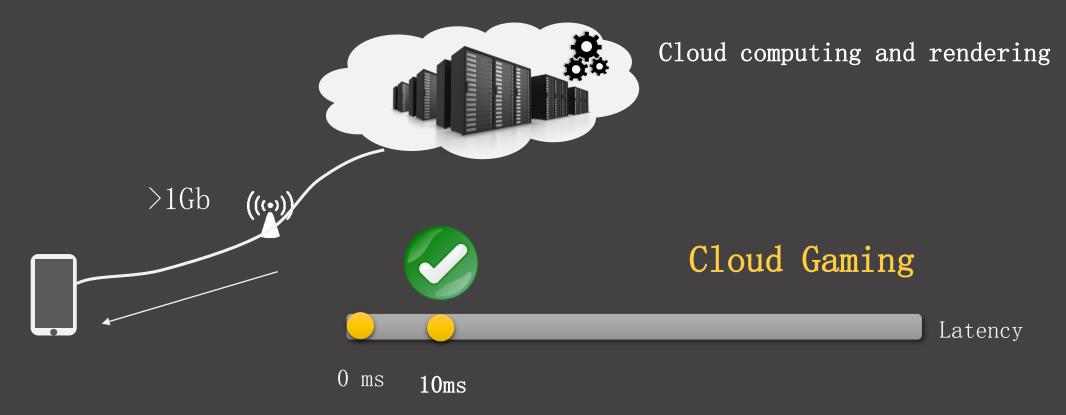




1 second localization, high user density (1000 - 10000), randomly formed crowd (based on game design)

Gaming Industry (3/4) What is the next?





Current:

- 1 hour RPG game, download 1G file
- Pre-download

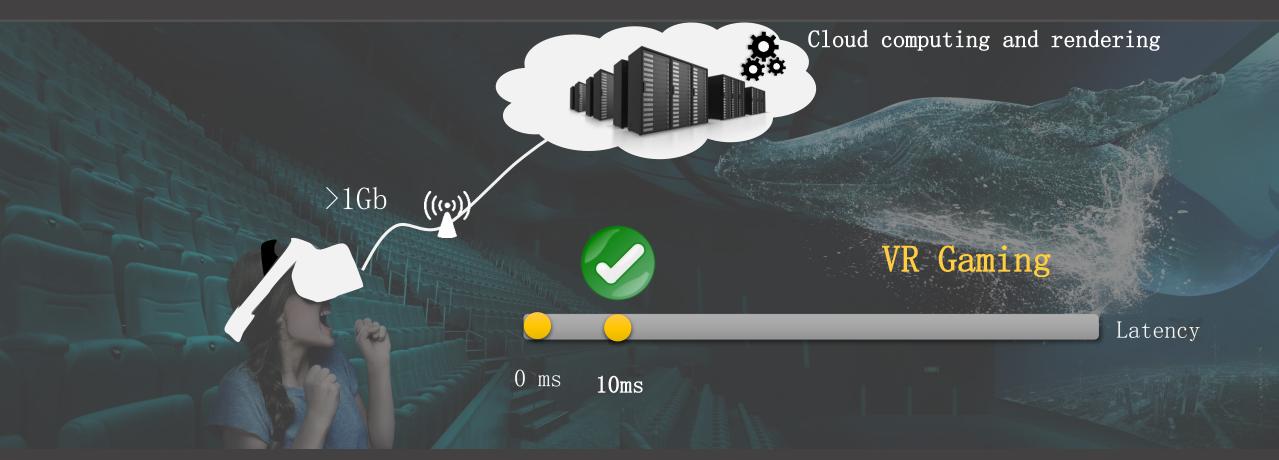
>1Gb and <10ms:

- Cloud computing and rendering
- Only display on user terminal

1920x1080 resolution, 8 compression rate -> 60 frames is 360Mbps

Gaming Industry (3/4) What is the next?

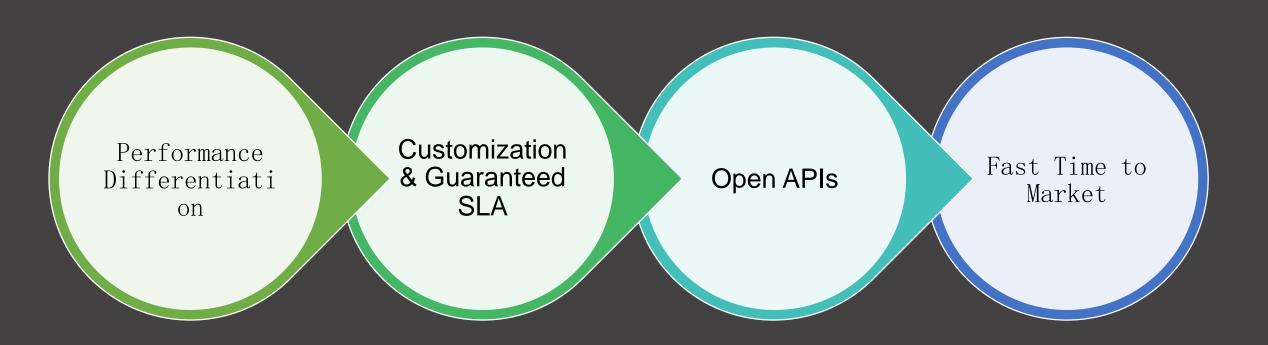




Bring full immersive and superior user experience

5G Promises

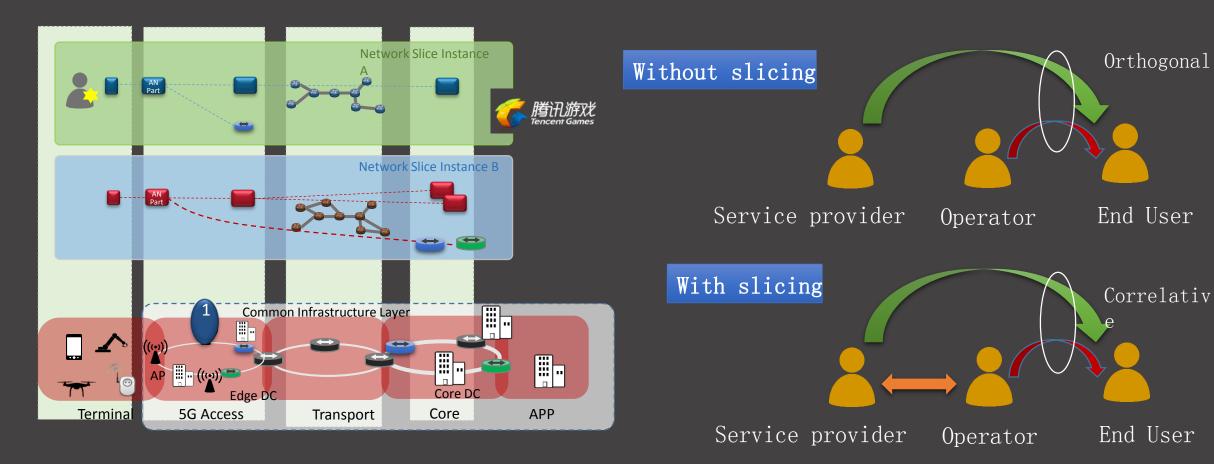




5G Network Slicing



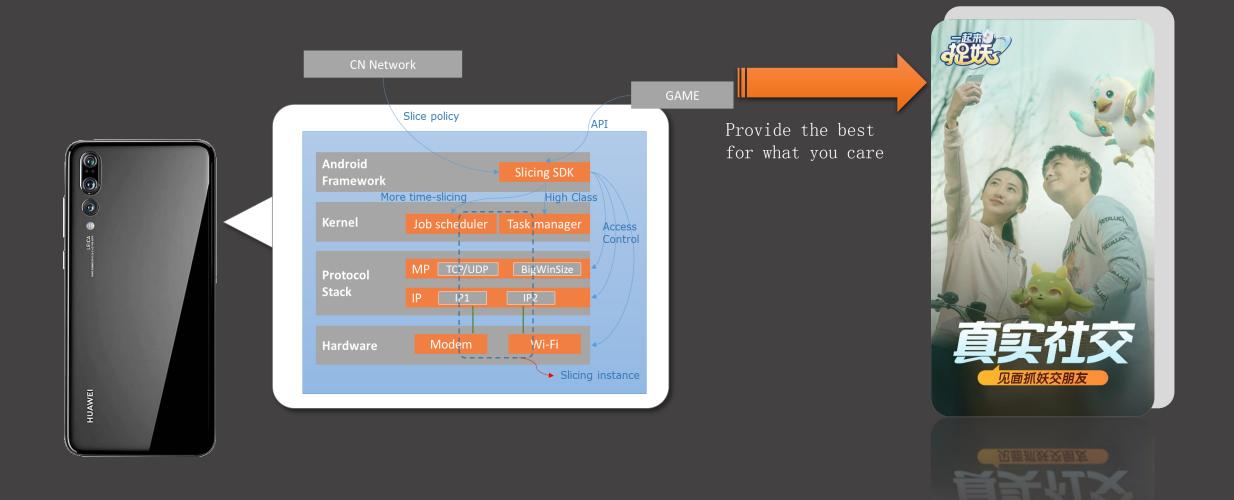
- Bring business and service innovation
- Enable differentiated user experience



World 1st Terminal Slice



Enable the Industry-leading End to End Network Slicing Solution!

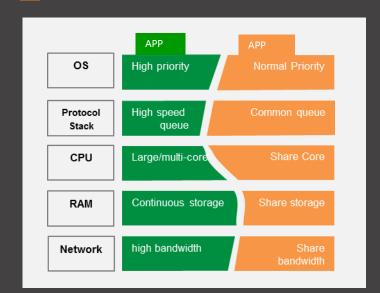


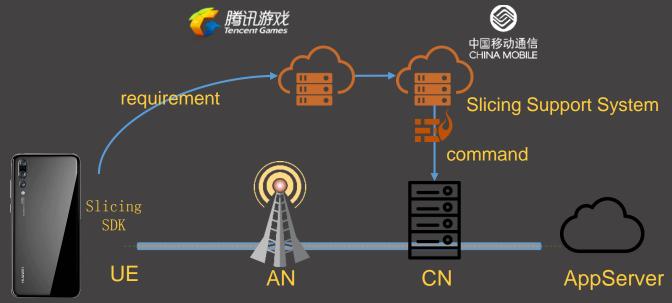
5G Network Slicing Trial Highligh 肾间腺素 肾间腺素

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Slice enabled O&M capability



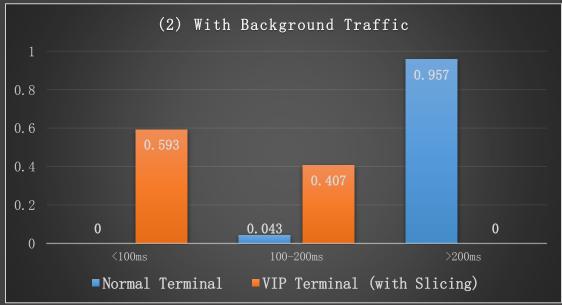




5G Network Slicing Trial Highligh 跨距線

3 Performance Illustration







Thank You!

Please visit our exhibition at GSMA Innovation City