

Indigo — AT&T's New Network Platform

- The smartphone sparked a technological revolution that unleashed innovations that now bring American consumers music, games and movies at the touch of a button. Cutting edge services and devices, such as virtual reality, voice-controlled home assistants and self-driving cars improve with each passing day.
- Consumers expect their network experience to evolve as rapidly as every other piece of technology in our lives. Networks should enhance our ability to get high-quality video of a favorite show while riding home on a train, or share a virtual reality feed to followers on social media, or help your bank protect against fraud when making financial transactions on a mobile device.

INDIGO

AT&T's Indigo network of the future is all about bundling many network services and capabilities into a constantly evolving and improving platform powered by data.

- Indigo will bring software defined networking (SDN) and its capabilities together with big data. Indigo will offer an emerging technology called microservices, where small, reusable capabilities can team up as needed to perform a task. And, yes, it's also about so-called "access" technologies like 5G and our recently-announced Project AirGig. Put all that together, and you have a new way to think about the network.



- A lot has to happen to make this vision a reality. We're ahead of the game on much of it. And we'll increasingly look to the broader development community for open engagement to help us push further.
- AT&T has said that we plan to virtualize 75% of our network by 2020. In fact, we have already virtualized 34% of our network. By transforming physical network gear into software – the same way you replaced your stereo with a streaming music app on your phone – we can add capacity faster and give our customers more control of their network services.
- Data usage on our mobile network has increased nearly 250,000% since 2007, and the majority of that traffic is video. We see no sign of this trend slowing down. If we want to stay ahead of that wave, if we want our customers to continue to have a great experience, we have to become software-defined.

