THE BENEFITS OF 5G

A new network to Enable multiple technologies

5G has the flexibility and capacity to support enormous numbers of static and mobile devices, which each can have a very diverse performance requirement profile. As IoT and Industrial IoT evolve, 5G will become the solution of choice.

The low latency and capacity of 5G will allow real time asset tracking, video streaming, virtual reality, vision, image, video recognition and allow users to enhance their manufacturing process by increasing the use of automated robotics or other mobile tools. 5G provides an incredible opportunity for network operators to enhance the speed, performance, and scalability of their networks, enabling increased business and users.

5G facilitates the evolution of Industrial IoT

THE REQUIREMENTS OF 5G

Latency, Density and Throughput

Network Providers have been busy deploying and activating 5G networks infrastructure while still keeping up with the ever-increasing growth of existing networks. There has been little time for understanding how to ensure that the 5G network can achieve excellent customer experience.

5G networks must not only deliver extreme speeds, but they must also dramatically increase network reliability, end user experience and ensure the performance of devices and applications for existing and new users.

To achieve this, network operators must establish and maintain complete visibility of their network to quickly identify anomalies, network and application latency and re-transmissions out of order packets and congested flows; all of which affects the end user experience or the performance of critical applications.
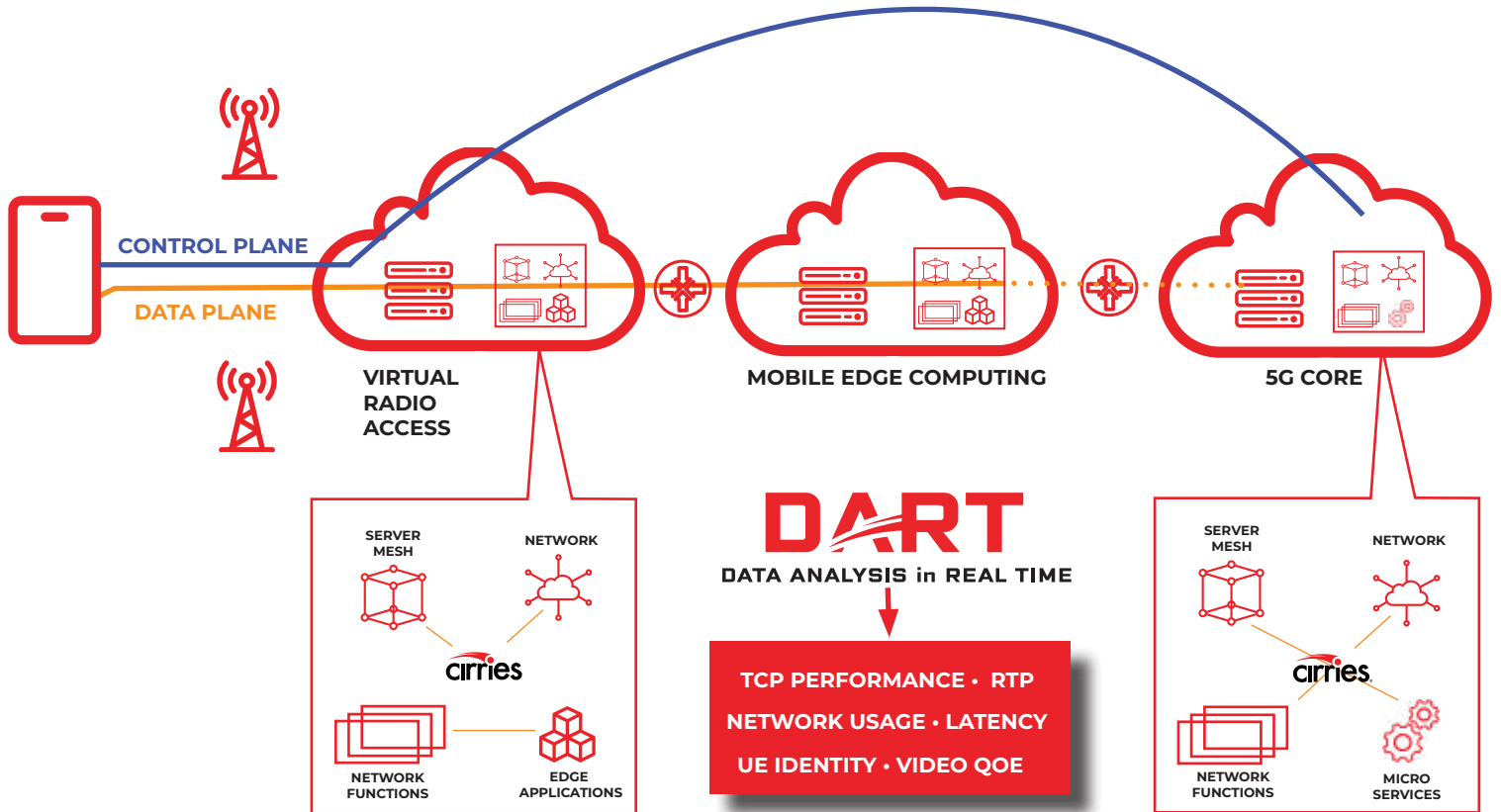
ARE YOU READY TO ACHIEVE NETWORK EXCELLENCE?

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GAINING 5G VISIBILITY WITH CIRRIES

See everything anywhere

Network operators must deploy a monitoring infrastructure that matches and even exceeds the 5G network speed and capabilities in order to ensure consistent quality of experience for end users and IoT device performance.

CONTROL PLANE

DATA PLANE

VIRTUAL RADIO ACCESS

MOBILE EDGE COMPUTING

5G CORE

SERVER MESH

NETWORK

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NETWORK FUNCTIONS

EDGE APPLICATIONS

DART

DATA ANALYSIS in REAL TIME

TCP PERFORMANCE • RTP
NETWORK USAGE • LATENCY
UE IDENTITY • VIDEO QOE

SERVER MESH

NETWORK

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NETWORK FUNCTIONS

MICRO SERVICES

WITH CIRRIES 5G NETWORK MONITORING SOLUTION, NETWORK OPERATORS WILL HAVE:

- Complete visibility into the V-RAN, MEC and Core with AI to correlate the data through all three

- Monitoring of all N/S, E/W traffic, each Network Slice and Microservice

- Reports on Network latency and Application response

- Top Users, Top Applications at a glance by traffic, latency or MOS score

- A network behavior pattern stored in a time-series database

- Detection of network anomalies with automated workflow for resolution

- Application and Microservices analysis with repair recommendations, reducing MTTR

- Complete visibility into the behavior of Microservices, Applications and Network, all correlated to ensure QoE and QoS target are met