



The bridge to possible

Postcards from the 5G Edge

Meraki Cellular Gateways (MG)

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@ReillyBill

BRKMER-2001



#CiscoLive

Cisco Webex App

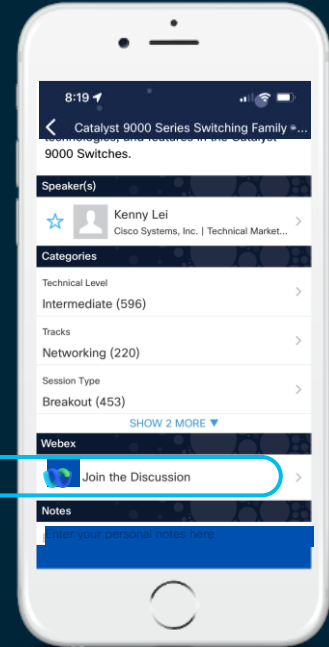
Questions?

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How

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Webex spaces will be moderated by the speaker until June 17, 2022.

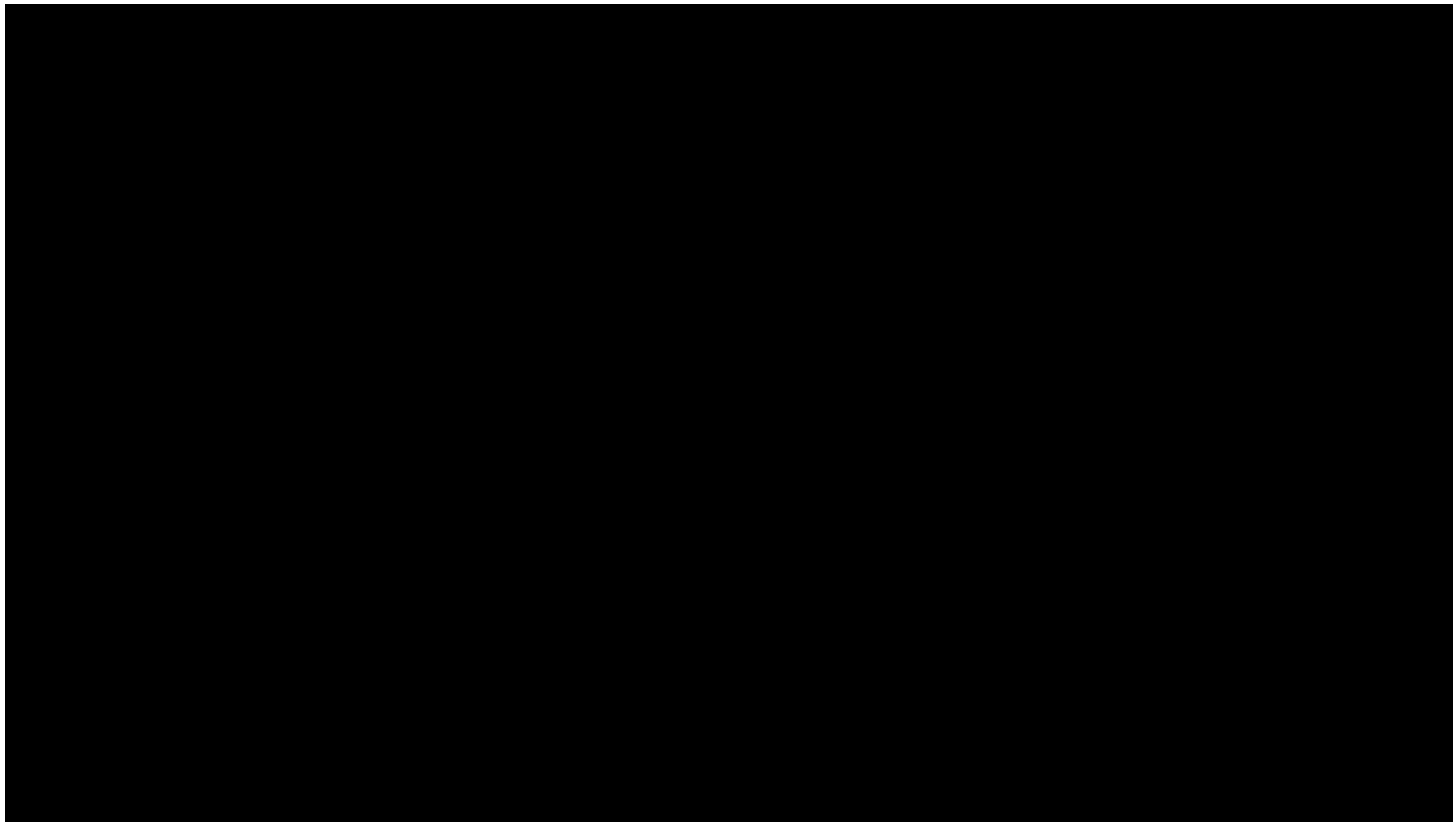


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Agenda

- This is a 5G World
- What is (is not) 5G today
- What is Meraki Doing?
- Let's Visit the Edge...
- Conclusion



This is a 5G World





What 5G means for businesses

The force multipliers in play for 5G transition



Cellular speeds steadily increasing



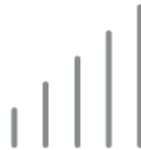
SP investments for increasing coverage



Cellular growth aligned with IoT boom



Cloud edge platforms

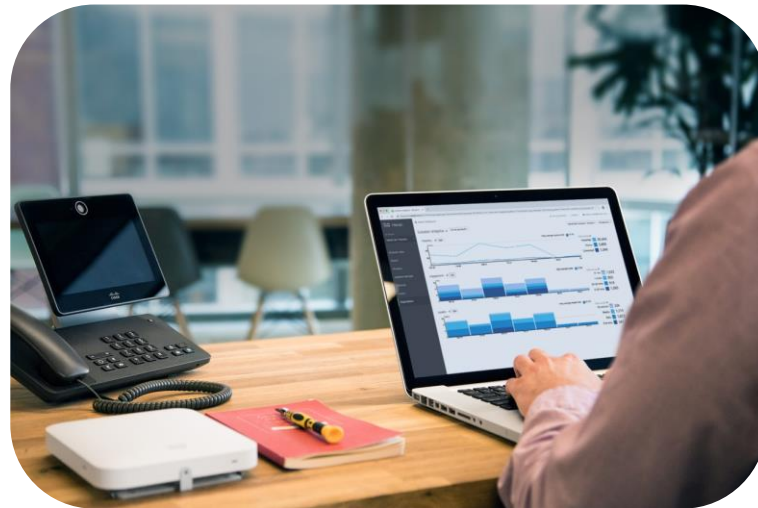


Private LTE



Advanced wireless

Diverse networks and technologies will interoperate



What is (is not) 5G today



What is 5G?



Increased availability



mGbps peak data speeds



Low latency



Massive network capacity

5G is NOT one solution fits all

Common misconceptions

- I have 5G coverage NOW
- 5G will replace 4G soon
- 5G is just higher throughput or lower latency
- 5G is going to replace Wi-Fi

Things to consider

Coverage

Cost

Data plans

Availability vs Accessibility of 5G

5G will be highly available but not accessible to all



5G mmWave

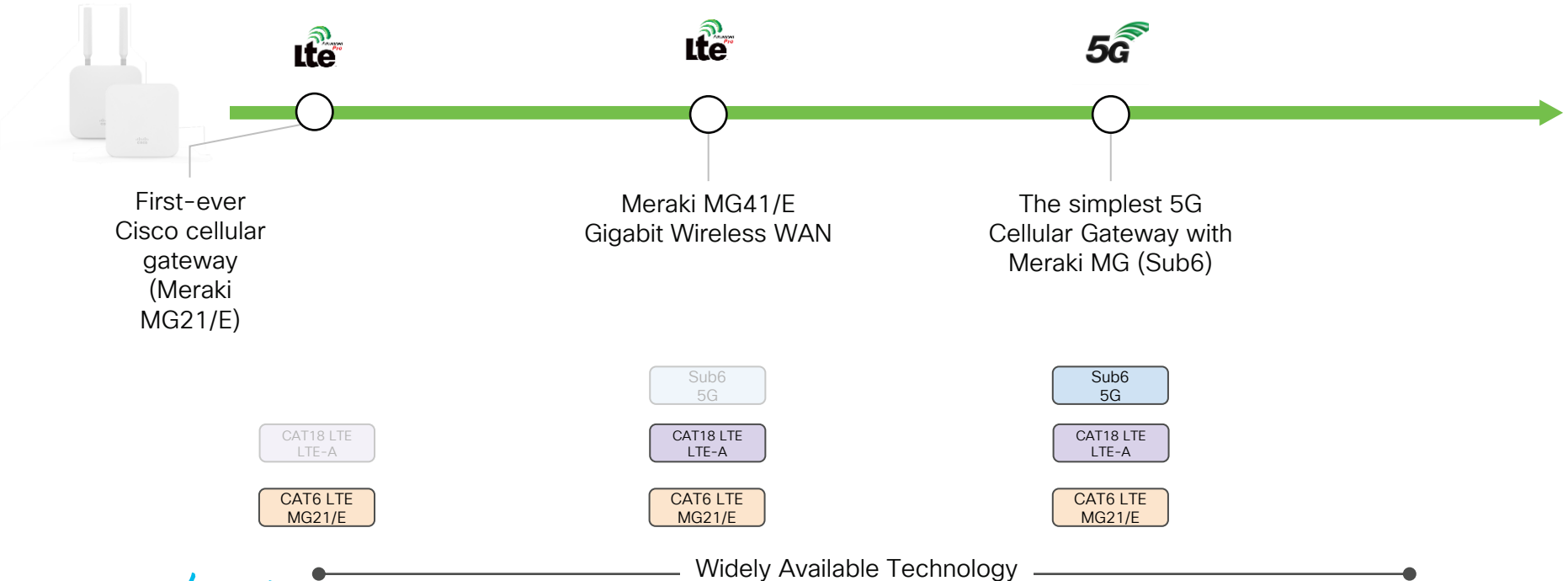
5G Sub6

LTE


What is Meraki Doing?



A Simple Fixed Wireless Access Experience



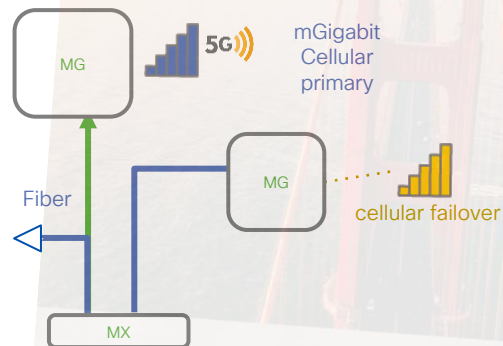
A Simple Fixed Wireless Access Experience

	MG21/E	MG41/E	
Cellular Modem	CAT6	CAT18	5G (Sub6) Cat 20 (LTE Fallback)
Frequency Bands		LTE - 14 (FN), 66, 71	LTE - 14 (FN), 66, 71 5G - n66, n71, n48 (CBRS)
Nominal Throughput (Download/Upload)	300Mbps/ 50Mbps	1.2Gbps/ 150Mbps	2.0Gbps Fall Back CAT20 (LTE)
Number of Physical SIM Card Slots	1	2	2
Weather Proofing	IP67	IP67	IP67

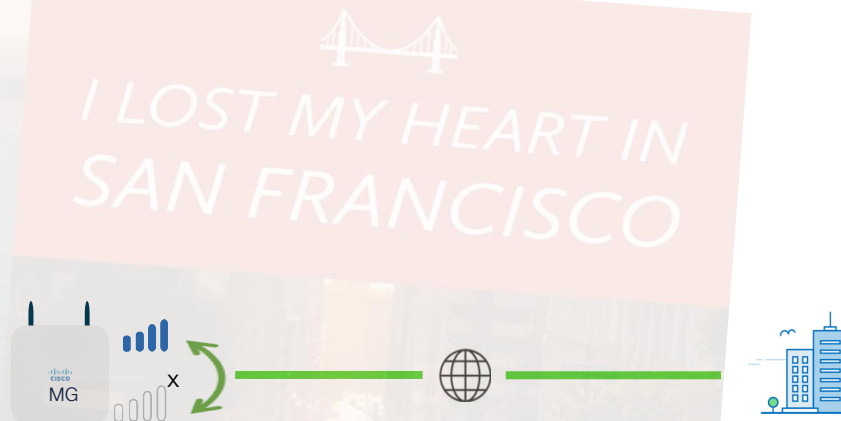
Let's Go to the
Edge...



MX+MG Leading to Powerful SD-WAN Combo



MG + MX: Deployment



Dual SIM to switch between carriers

Troubleshooting with MG Safe for remote diagnostics

MX + MG: Connect Securely to your Cloud Applications

5G as Primary/ Failover WAN



MX + MG: SD-Branch/ Work Anywhere FWA WAN Replacement

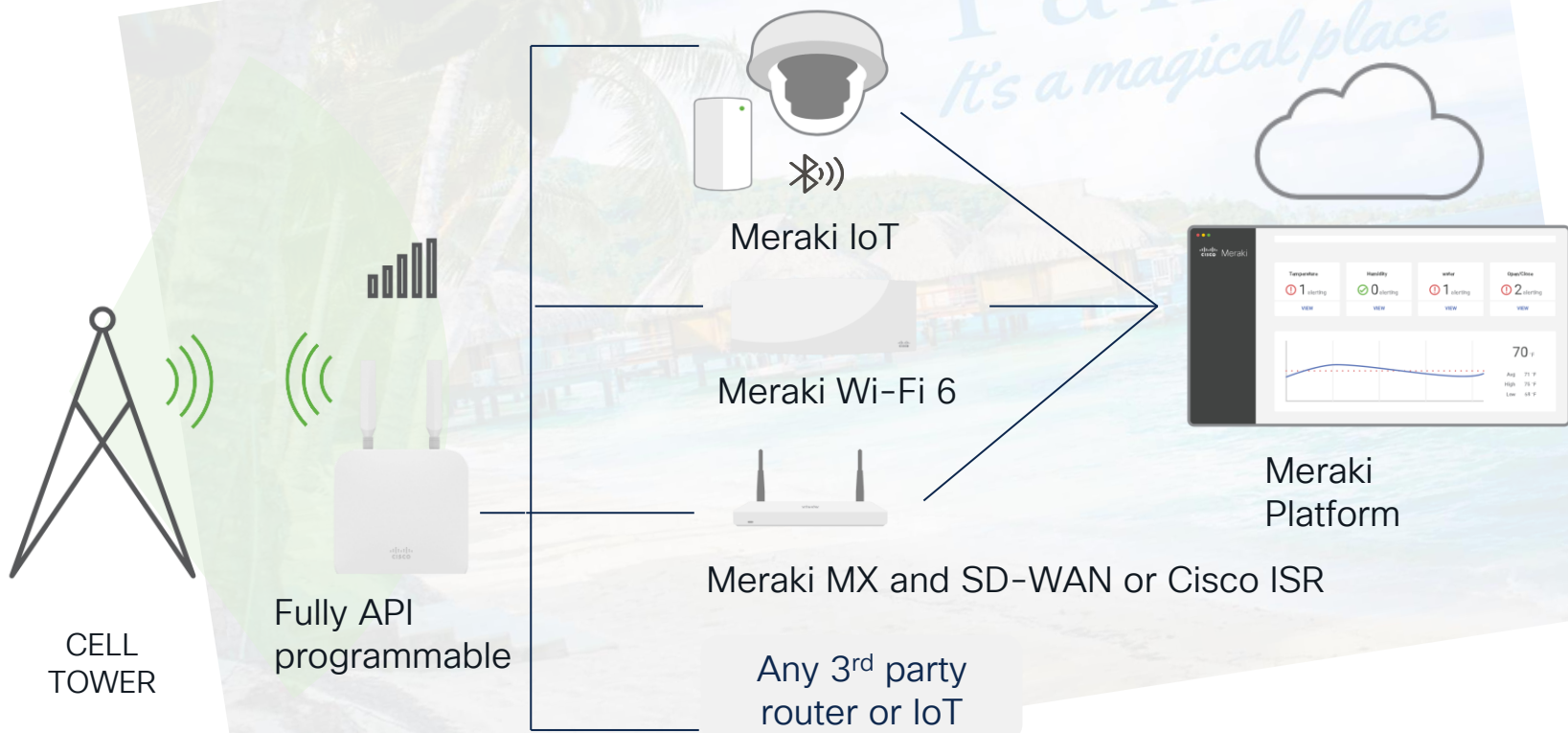


MG provides anywhere-anytime connectivity while MX provides Security and SD-WAN*

Securely Transform the Hybrid Workplace* Infrastructure

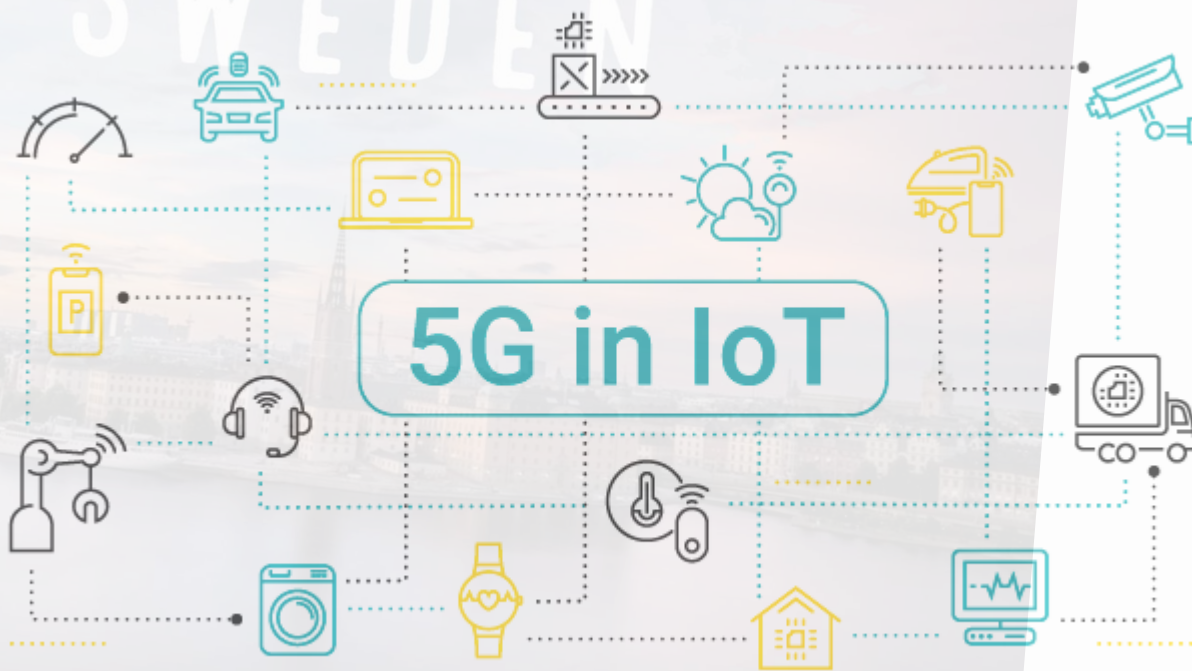


Public or Private FWA



SWEDEN

5G in IoT



Very wide-range coverage (Outdoors)
in a dedicated spectrum

Wide-range coverage
(indoor/outdoor) high-capacity
throughput coverage in a
dedicated/shared spectrum

Short-range (mainly indoor) high-
capacity/throughput coverage in a
shared spectrum

Public 5G

Private 5G

WiFi 6/6E



5G-enabled video surveillance

Fixed, mobile and temporary static cameras can deliver real-time HD video.

LONDON LIFE



Let us Wrap this
Up...



Summary Slide

1. Meraki MG's power FWA to our Meraki Stack
1. Easily Integrate the MG's and FWA into you network today
 - a. Cloud Managed
 - b. Simplicity and Resiliency
1. 5G will have many deployment Options...Find the use-case that works for you.

Cisco/Meraki 5G Sessions

PSOIND-1003/4/5 Private 5G in Education/Healthcare/Govt

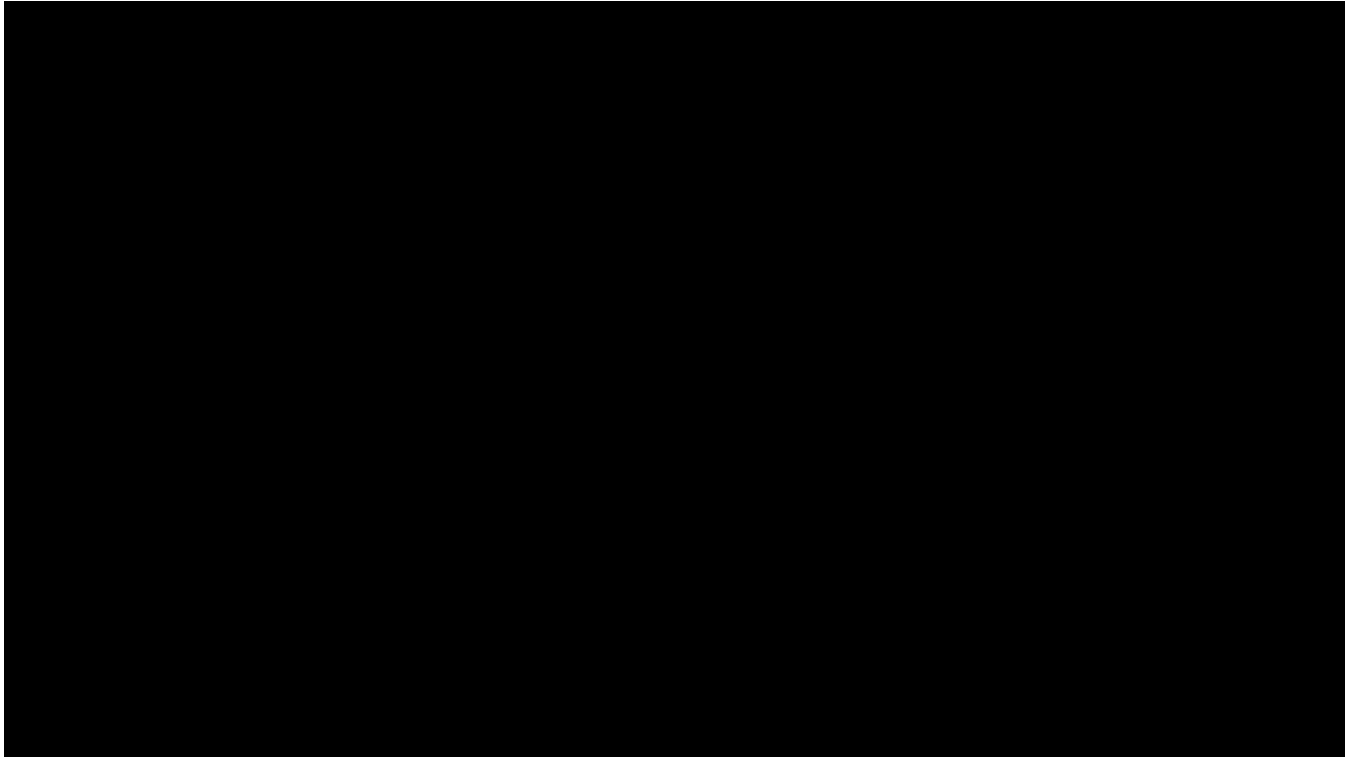
BRKSPM-2030 5G Transport Design Considerations Combining Onsite Cloud-Based Deployments

BRKEWN-2030 WiFi6 and Private 5G for the Enterprise – a ‘Better Together’ Journey

PSOSPG-1002 Leading Your Digital Transformation with Cisco Private 5G Network Offer

BRKMER-1003 Connect and Secure with Meraki

Closing....



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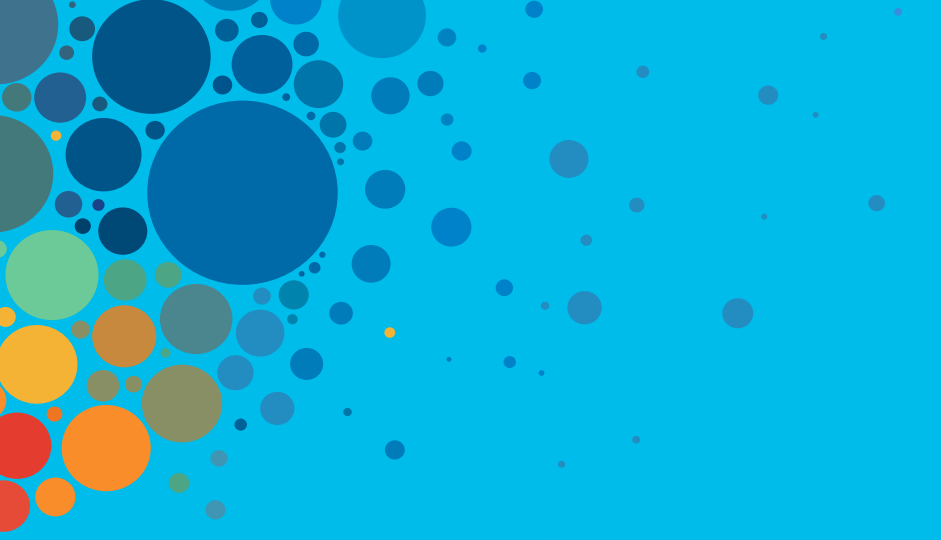
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