







40 countries 3400 attendees One common language: Java... and wireless!



How to build this wireless dream?

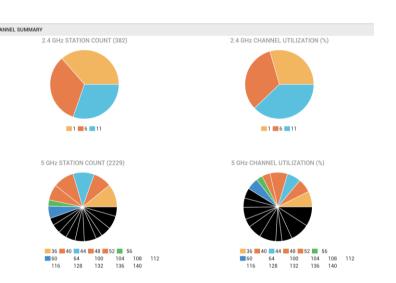
Solid Infrastructure

47 Fortinet Access Points 137 radios 11bgn, 11an and 11ac Barracuda Firewall 20 switches (HP, Cisco, AT) 4.500m UTP cabling 800m fiber



383Mbps throughput and over 4TB of data exchanged

Great Design



Equal airtime division over all available channels

Seats	Simultaneous users
345	282
426	342
684	583
407	427
407	272
746	664
426	373
345	310
500	718
40	113
40	184
500	222
	345 426 684 407 407 746 426 345 500 40

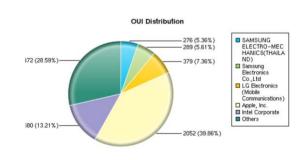
Users exceed number of seats in the room

Balancing of 2.4 & 5GHz clients Manual power levels & channels Antenna orientation Load balancing AP coverage

Stability and consistency for every device and application



Broad compatibility set for iOS, Android, Windows, OS X and Linux Stable connection throughout the entire venue



USER AGENT		
Chrome Mac OS	3.2 GB	
Chrome Windows 10	1.4 GB	
Safari Mac OS	1.4 GB	
Mobile OS Android	1.2 GB	
🐇 Java	233.5 MB	
Mobile OS iOS	116.4 MB	
Chrome Linux	103.7 MB	
Microsoft BITS	55.4 MB	
Chrome Windows 7	40.6 MB	
Firefox Linux	36.0 MB	

For all type of clients

••○○ Orange B	99:28	1 \$ 95%				
(?) SPEEDTEST						
PING	DOWNLOADEN	UPLOADEN				
6 ms	29.54 _{Mbps}	36.00 Mbps				
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High throughput test amongst 700 people in one room with over 2500 connections at the same time

APPLICATION			≣ '∃ ×
Youtube Watch Vi	3	19.4 GB	Θ
iTunes	2	10.2 GB	Θ
Web browsing	0	9.0 GB	Θ
G Google Services B	2	4.7 GB	Θ
🧃 Amazon Webservic.	•	3.9 GB	Θ
Google Play Base	2	3.9 GB	Θ
Twitter Base	2	2.2 GB	Θ
Facebook Base	2	1.8 GB	Θ
Spotify	2	1019.5 MB	Θ
Microsoft Update	0	862.3 MB	Θ

APPLICATION DETAIL		:
iosapps.itunes.appl	7.4 GB	
sxapps.itunes.app	2.4 GB	
r2sn-cxab5jvh-cg	1.8 GB	
📦 eu-id-00001.s3.ama	1.7 GB	
da-eu.groeneveldonline	1.7 GB	
pbs.twimg.com	1.5 GB	
r1sn-cxab5jvh-cg	1.5 GB	
77-68-207-173.e1143e	1.4 GB	
r7sn-5hnednlz.google	1.3 GB	
G www.googleapis.com	1.3 GB	

For all type of applications

And that's how we create magic!

