



ribbon™

Evolving Connectivity

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UCC Greece

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“Evolved” Ribbon Communications



Four Decades of Combined Leadership Experience in Real Time Communications

~ 2,300 Employees and Doing Business in 100+ countries

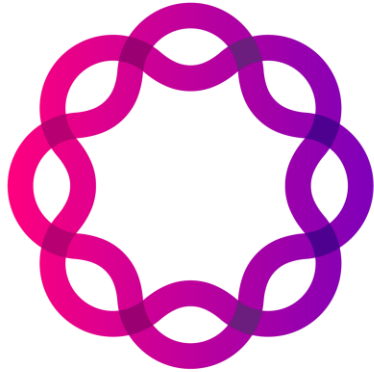
1,000+ Service Provider and Enterprise Customers Globally

#1 in VoIP Switching, #1 E-SBC, #2 SP-SBC, #2 in Media Gateways

800+ Patents Worldwide

Publicly Traded Company on NASDAQ

Leadership Ranking Source: IHS Research and ExactVentures 1Q-2018 Market share data (Ribbon includes GENBAND, Sonus, and Edgewater)



Enable

+

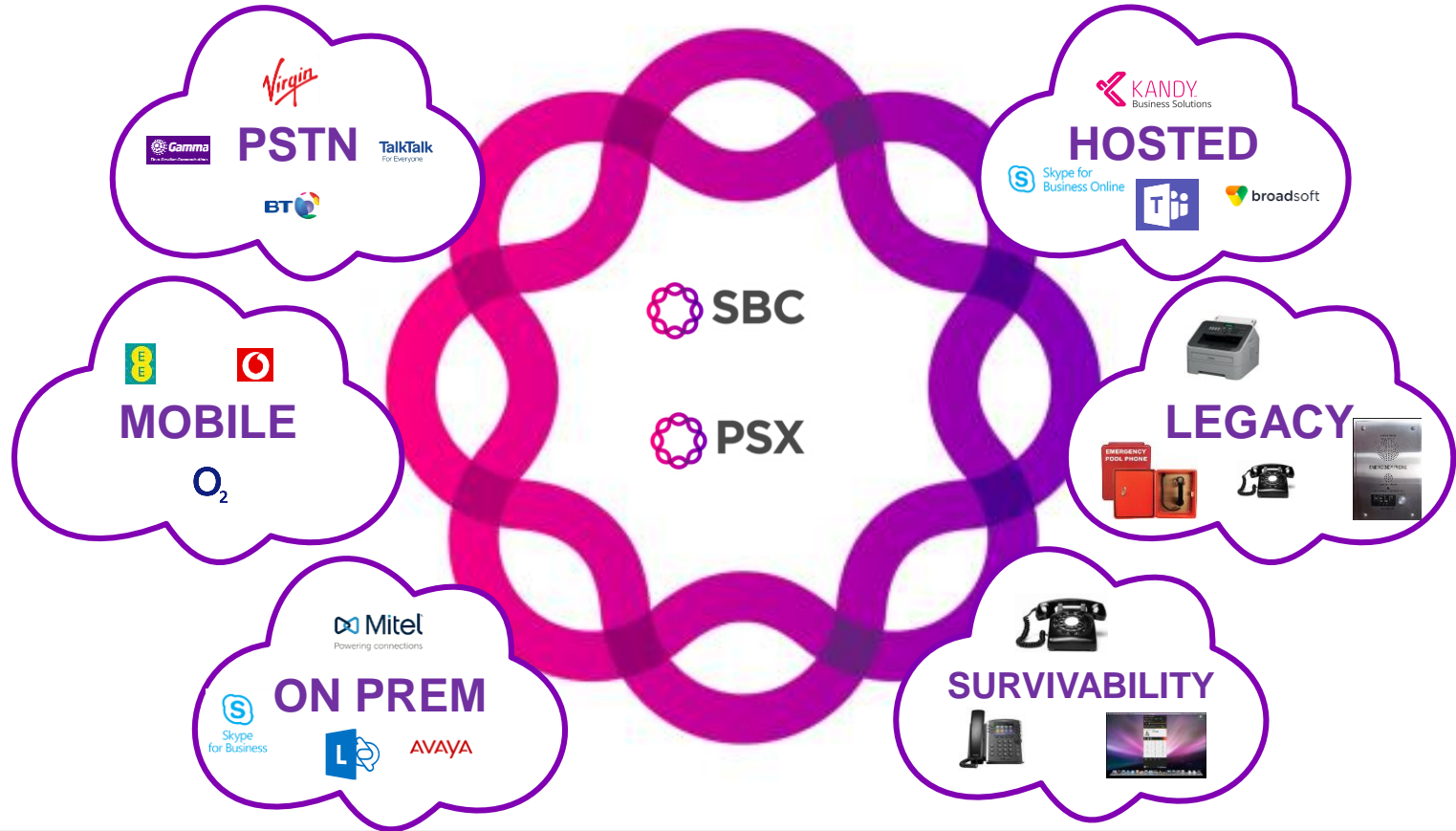
Secure

+

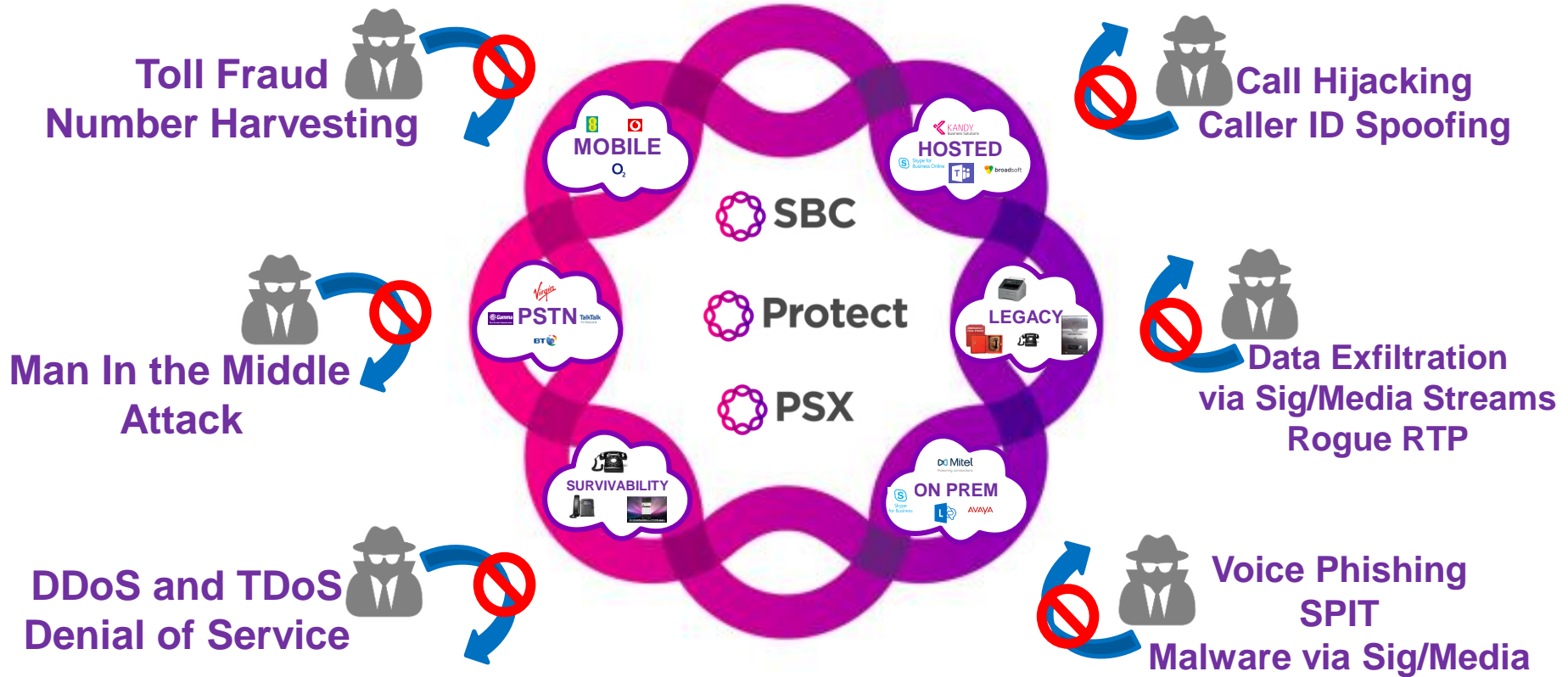
Analyse

Your Unified Communications Services!

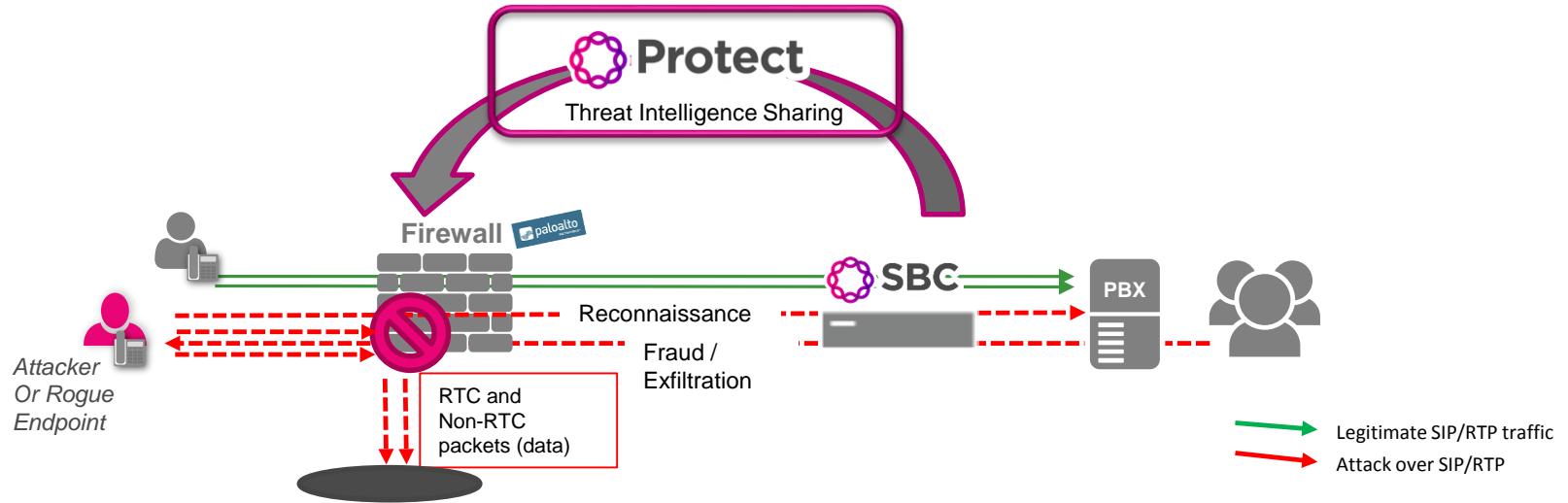
Enable Unified Communications



Secure Unified Communications



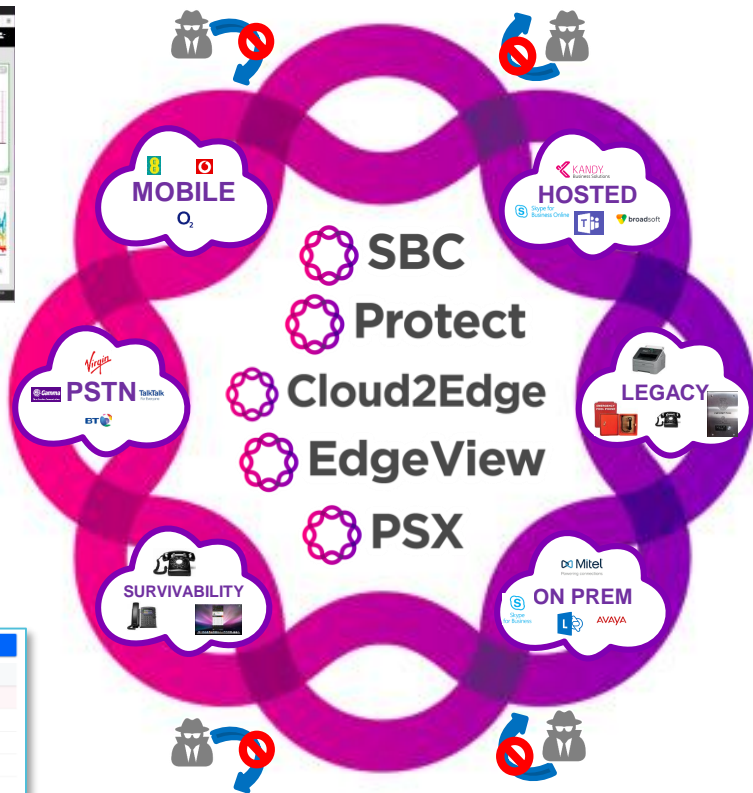
Coordination between Data and Communication Plane



- Detection and auto-mitigation RTC attacks and threats
- Raise the entire network security aperture
- Establish a comprehensive and correlated view of attack/threat activity

- Media policed for theft of services
- Minimized firewall / SBC configuration issues by sharing enforcement policies
- Dynamically share bad actor lists

Analyse Unified Communications



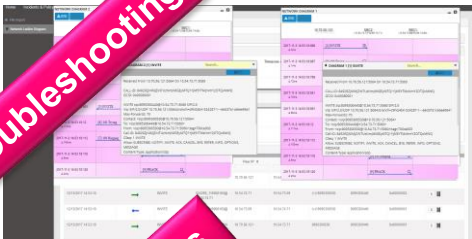
Usage Statistics



Threat heatmap



Troubleshooting



Service Assurance



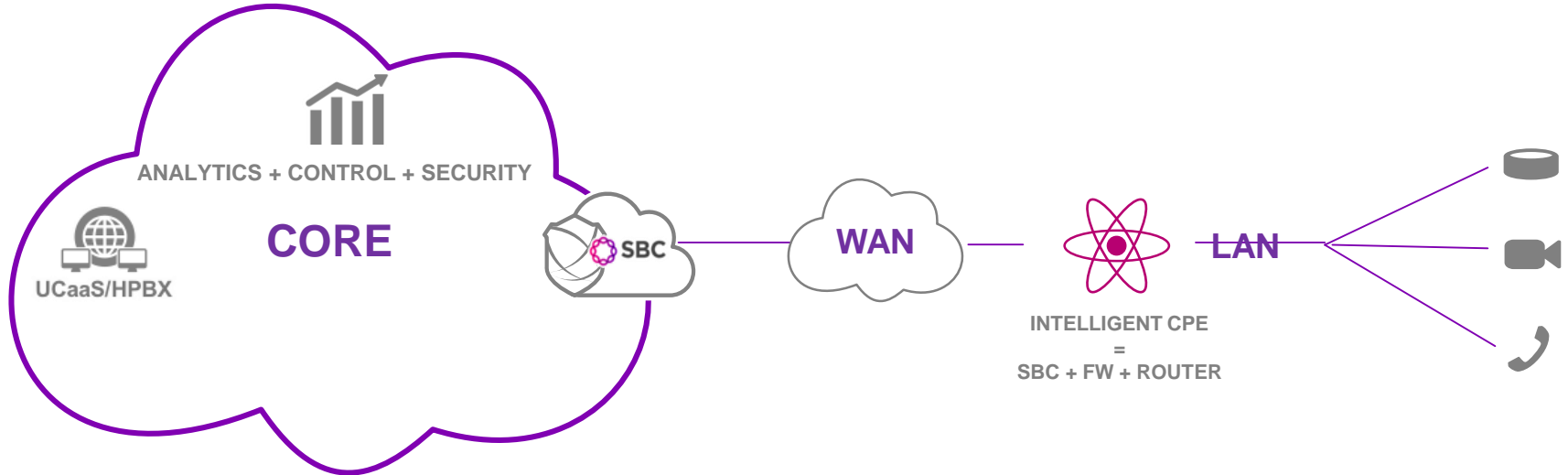
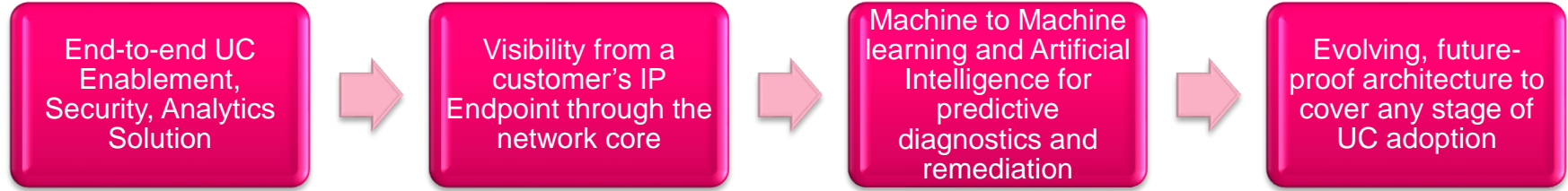
Quality Statistics

Most Recent	OPERATION	SIP CALL ID	IN MOS	OUT MOS	SOURCE DID	DEST DID	SOURCE IP	DEST IP
03/21/18 02:47:14 pm	3m 43s	56814ccc.a7...	4.6	6.6	4083517295	1408365500	10.10.26.14	4.55.14.2
03/21/18 02:47:26 pm	4m 45s	80154724669...	4.6	6.6	8132902616	4083517226	4.55.42.194	10.10.26.78
03/21/18 02:47:14 pm	0m 02s	500c524e660...	4.2	6.2	4083517226	818	10.10.26.78	74.112.29.118
03/21/18 02:46:59 pm	0m 04s	ad3c7adec7...	4.2	6.2	4083517226	7294	10.10.26.78	74.112.29.118
03/21/18 02:23:16 pm	7m 46s	353403393ad...	4.2		8773126477	4083517226	23.29.27.26	10.10.26.78

Operational Efficiencies



Ribbon... Unifying Communications



Fully secure real time communications from **Core to Edge**

VoIP Hacking – It Can Happen to Anyone

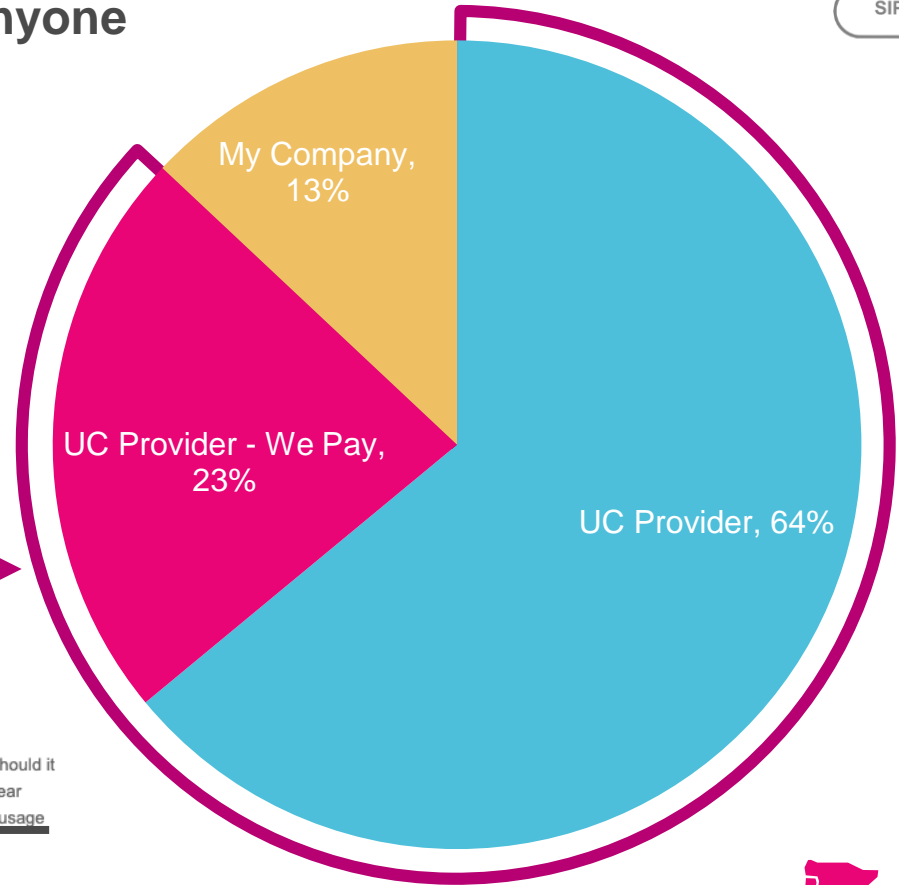


Who do you believe should be responsible for protecting your company from UC security issues?

Ribbon UC Market Insights
Research Study, April 2019

n = 400

87% of Respondent's companies believe the UC Provider should protect them.



Customer responsibility

Customer Responsibility recognizes the potential for Toll-Fraud and strives to minimize the impact to customers should it occur. Nonetheless, as detailed in Customer Responsibility Terms and Conditions, Customer Responsibility does not bear responsibility for Toll-Fraud. Your company is responsible for securing its phone system and paying for any usage charges that may occur through fraudulent activity.



Thank You

