



UM-Labs Research and Development Group

Cyber Security in the 21st century.

"UM-Labs are an unrivalled leader in the 21st century for 'Real-Time Communications Cyber Security' with an unrivalled array of founding talent and capabilities in Research and Development from major companies and all based on successful delivery of leading edge technology. As a team, we are focused on delivering the innovation our partners need in this highly disruptive and rapidly changing industry." Peter Cox, Chief Executive Officer

The Research and Development Group - UM Labs R&D United Kingdom was founded in 2008 by a group with extensive experience in building data firewalls for IP networks and more recently adding extensive mobile data and device services experience. The experience of firewalls was gained at Borderware Technologies, one of the pioneers of IP security and the mobile data experience has come from Microsoft Mobile Collaboration Group at its inception, Mobile 365 a pioneer in SMS and dR(Digital Rum) a cloud based mobile collaboration and commerce platform.

Peter Cox, CEO was the product architect responsible for gaining the first ever Common Criteria EAL4 certification for a firewall product and also the first EAL4 certification for an email security product. The Common Criteria scheme is an international IT security standard backed by the NSA and NIST in the USA and by the UK's CESG. The scheme is formally recognised in over 25 countries.

Unrivalled track record in IP data security means that UM Labs recognise the limitations of traditional IP security products, and the inability of standard firewalls to provide adequate protection for Universal Communication (UC) services (including video, Instant Messaging and Presence services). To address these limitations and to meet the needs of the rapidly growing UC markets, the company has applied this proven experience to produce a cyber-security platform targeted at the real-time elements of Universal Communication, which can span social and collaboration of all kinds across all platforms deployed in today's markets.

The platform provides security for all voice calls, video calls, IM and presence. In addition to the primary goal of providing security, the UM Labs platform ensures interoperability between UC products and systems from different vendors.

Protection and assured is crucial with such high fines for noncompliance and breach of EU GDPR, HR1770 USA and MIFID II, it is also key that the technology platforms have a multi-level integrated layer of security for UC, today this is only the case if the design has started from the 21st century.

The risks of connecting any data application server to public IP networks have been well understood for some time. These risks lead to the growth of the Firewall market in the early 1990, followed by the development of application specific security controls for Web, Email and other applications.

Unfortunately, there is a lower level of understanding of the risks associated with real-time communication applications using SIP, IPV6 protocol in IOT, ORTC Web, which extend into based Unified Communication and Internet of Things for Network, Applications and Content.

In the last 6 years UM- R&D have worked with partners and their customers to solve complex and high risk business communication needs from a Real-time Communication Cyber Security compliance view point.

Major Financial institutions, Retailers and Government groups' across three continents have been protected by the Labs' ability to deploy a software platform which can manage all protocol conversion, traffic management across technology valleys, encryption and installed to reach hundreds of thousands of users from the cloud in no time at all.



Continued R&D has kept up with the needs of the Enterprise with the transference from the early days of soft based technology on standard industry computing, into a unique implementation, that is now totally cloud based and as a layer across public, private or hybrid implementations. Over 100,000 users through our partner structure now use the platform as a cloud based hosted Unified Communication Information Cyber Security Software as a Service (UCICSaaS).

This unique and tested platform is certified compliant by government and Telecom regulated authorities, pen tested by Deloitte Red Teams, set against ENISA and EU GDPR rules, with compliance assured for operating over multi-levels of attacks with an integrated and adaptable to change architecture.

This platform has been audited across SIP UC technologies and providers in the light of non-compliance. As a result, and after years of testing, UM-Labs was selected as a key component in that Telecom compliance technology.

R&D is the basis of the work, Cyber Security is never ending and in this UM-Labs will provide better authentication of user not device for 'Persona Management', evolve current Internet protection to all real-time communications (IOT) and overall help reduce board level risk with our channel partners, who we trust to resell into the global market.

Unique Cyber Security Eco System for Real-Time Communications



Contact UM-labs R&D at www.um-labs.com or send an email to marketing@um-labs.com

