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# **InterCloud Launches New Machine Learning Security and Forensics Solution for Health Care Networks and Medical Devices**

SHREWSBURY, N.J., July 14, 2017 (GLOBE NEWSWIRE) -- InterCloud Systems, Inc. (the "Company" or "InterCloud") (OTC:ICLD), a leading provider of cloud networking orchestration and automation solutions and services announced the release of its Health Care network Security and Forensics Solution – X-Barrier. X-Barrier is a part of InterCloud's suite of network management and automation products for Next-Gen Software Defined Networks (SDN) and traditional network environments. X-Barrier specifically targets the network security vulnerability of the Healthcare vertical where network and device security vulnerability can potentially be a matter of life and death.

X-Barrier utilizes a new approach to network threat detection, which is based on Machine Learning (ML) and Artificial Intelligence (AI). Analysis of network connection data is performed by utilizing non-deterministic algorithms, which allows detection of both known and unknown network threats and attacks. X-Barrier does not require any pre-configuration as it utilizes a self-learning approach to data analysis and constantly adjusts its detection models.

X-Barrier functionality includes several major items: pro-active network protection, outside and inside network threat detection, reactive threat quarantine and permanent isolation. Pro-active protection is based on segmentation of organization's INTRANET into separate areas. Each area has its own firewall perimeter and access rules. Network connections between the areas is restricted and constantly monitored by X-Barrier.

Pro-active protection functions of X-Barrier are specifically modeled to segment and protect a typical Healthcare facility network layout where network zones have very different security requirements. X-Barrier segregates network domains of Operating Rooms, Patient Room networking equipment and other zones where network vulnerabilities could be life threatening, from other network zones such as clerical desktops where network security requirements can be less strict.

X-Barrier utilizes its self-learning algorithms and detects historical patterns in the communication between segregated networking zones and connections with outside networking objects. When such historical patterns are violated by malicious activity it is detected by X-Barrier and treacherous networking objects are quarantined or permanently isolated.

Mark Munro, CEO of InterCloud Systems stated: "For healthcare organizations, network vulnerability can quickly become an issue of life and death. Traditional perimeter-based network protection solutions are efficient today but do not provide the necessary level of protection due to the complex nature of Health Care networks and vulnerable applications. Our product provides an automated way to segment, survey and protect a healthcare facility and hospital campus not only from the outside threats, but also from the internal networking objects already penetrated by hackers."

Mark Munro added: "The compromise of a hospital's INTRANET means hackers controlling operating room equipment, ventilating machines, IV pumps and other equipment can cause significant harm or even death to patients. This is a very significant problem that's been actively discussed in the industry. Last month, WannaCry ransomware shut down 65 hospitals in the United Kingdom and affected not only computers but storage refrigerators and MRI machines. Our product significantly lowers the risk of

such threats and provides a fully automated solution for network threat detection and forensics. We have been in active discussions with numerous potential resellers of our solution. The timing is perfect for this Machine Learning based solution."

#### About InterCloud Systems, Inc.

InterCloud Systems, Inc. is a leading provider of cloud networking orchestration and automation, for Software Defined Networking (SDN) and Network Function Virtualization (NFV) cloud environments to the telecommunications service provider (carrier) and corporate enterprise markets through cloud solutions and professional services. InterCloud's cloud solutions offer enterprise and service-provider customers the opportunity to adopt an operational expense model by outsourcing cloud deployment and management to InterCloud rather than the capital expense model that has dominated in recent decades in IT infrastructure management. Additional information regarding InterCloud may be found on InterCloud's website at [www.intercloudsys.com](http://www.intercloudsys.com).

#### Forward-looking statements:

The above news release contains forward-looking statements. The statements contained in this document that are not statements of historical fact, including but not limited to, statements identified by the use of terms such as "anticipate," "appear," "believe," "could," "estimate," "expect," "hope," "indicate," "intend," "likely," "may," "might," "plan," "potential," "project," "seek," "should," "will," "would," and other variations or negative expressions of these terms, including statements related to expected market trends and the Company's performance, are all "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995 and involve a number of risks and uncertainties. These statements are based on assumptions that management believes are reasonable based on currently available information, and include statements regarding the intent, belief or current expectations of the Company and its management. Prospective investors are cautioned that any such forward-looking statements are not guarantees of future performances, and are subject to a wide range of external factors, uncertainties, business risks, and other risks identified in filings made by the company with the Securities and Exchange Commission. Actual results may differ materially from those indicated by such forward-looking statements. The Company expressly disclaims any obligation or undertaking to update or revise any forward-looking statement contained herein to reflect any change in the company's expectations with regard thereto or any change in events, conditions or circumstances upon which any statement is based except as required by applicable law and regulations.

#### CONTACT:

Investor Relations  
InterCloud Systems, Inc.  
561-988-1988



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