Editorial

New Techniques against Cyber attack

IT Safety: In the race of technical advantage between cyber attacker and defenders the IT-SA the service provider at the Europe's biggest fair for IT security showed how the protection against intruders can be improved.

According to market researchers of IDC it booms on the IT security in 2018 safety solutions are given out with 91 milliard dollars and 10% still more in the years ahead. The ITSA in Nurnberg is in operation as the highlight of the branch. Here small and young farms specially are surprised with technological innovation.

During the safety software in the 1990s and 2000 years almost exclusively the defense of damaged software was followed up, the important point lies today on the knowledge of the intruders and their avoidance as also damage minimization. The cause is for Turner perfectly clear. Cyber crime has been its own market and there by having scope for attacking implements for bulk production. On account of which the attacks get realized for less money.

Attackers are perplexed: For Turner it is consistent deception a new technique with much promising potential. The nomenclature misleading or deceiving consists in that the attacker is enticed in a labyrinth. For potential intruder attractive bait is displayed. Much promising entry data can be important server with firms' data or similar things.

Turner describes it as one sent arranged system out of honey pots. Within internet uploaded honey drops the attackers are enticed beyond firms' network in order to divert them from the real objective. Deception should for the intruder within the firms build up a labyrinth in which he himself is caught up. So his advance way and goals are analyzed, Turner clarifies. Central management tools allowed a spontaneous turned about configuration and a refresh of all components with that lastly along the bouncing of the attacker.

The technique is certainly previously for big IT network suitable, Turner adds to that and gets a similar network still bigger in action. So through deception 5000 computers would appear as 25000 computers. To the servers of the technology the Israeli firm Illusive Network belongs under others.

Dataflow control prevention: A further new development is named as 'micro segmentation' Stefan Strobel, the business manager and founder of safety specialists Cirosec describes the way of functioning of micro segmentation such software agents analyze on the isolated implements which machines talk with each other and which data along with these exchanges.

In the second step the results would transfer in a communication matrix. Through this the data exchange and dependence between the machines would be visible and required value comparable with actual condition. Regularly it puts out that more is exchanged than thought of specially when cloud applications come as insertion. Therefore the communication possibilities are connected with every instrument on which necessary minimum is reduced for the existing assignment as for example a databank application should only with databank server enter into connection-Strobel clarifies.

Out of the results automatically firewall rules are put up which are installed in the concerned computers. Then moderate system comes today with firewall belong to the provider of buffer this technology, among other in the 2013 established

firm Illumino whose customers belong to already Oracle, Sales force or Bank PNB Paribas.

Virtual net replaces standing command: Experts with a new technique for wide traffic network, SD-WAN, scan sweeping growth. The technique has only on the first look little to do with IT safety. Similarly as in computation centres through software defined networks (SDN) the hardware is decoupled from the software. This occurs now also in WAN domain. The Management hopes for it beside flexible connectivity with lower costs more availability smaller incubation. Thus better reply attitude and a simplified administration through the minor complexity – clarifies Mark Sobol, Manager of the technical security WIT system house SVA. However, the safety, as per his view is one of the weak points of this network technology.

New provider like Net foundry has exactly recognized and placed security in the centre of its solution. However through increased control and maneuverability it gives new possibilities for safety mechanism. With that SD-WAN combine existing technologies like LT or MPLS (Multiprotocol Label Switching) with connection-oriented transmission of data packets.

Software regulated control can be switched over from one connection variant to other, with the tieing up subsidiaries or the cloud. Accordingly these technologies are specially interested for big distributed firm networks.

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