

20 | 20

PRODUCTS | YEARS

Technology Editor **Peter Stephenson** picks the products that have made the most significant impact over the past two decades.

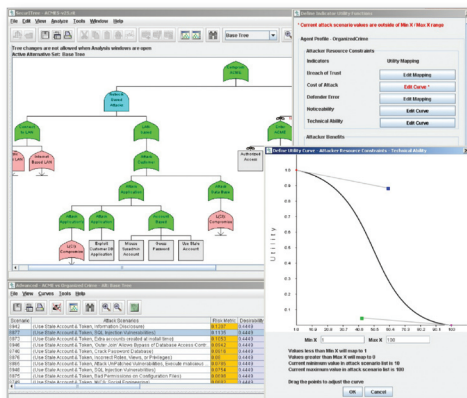


Amenaza SecurITree

Product: SecurITree risk modeling tool // **Vendor:** Amenaza Technologies Limited
www.amenaza.com // **What it does:** Allows risk modeling using an attack tree paradigm.

Amenaza SecurITree is a piece of modeling software that facilitates credible risk modeling in a true quantitative environment. While modeling software is not generally thought of as a

Since I define risk as the probability that a threat against a vulnerability will result in an impact, this software suits me well as a planning tool that lets me think about risks present in an enterprise in terms of



threats, vulnerabilities and impacts. Amenaza thinks about risk slightly differently, but not much. Amenaza views risk as incident probability times incident impact. Without going into the mathematical analysis of these two approaches, I can say that they are very similar – similar enough to treat the same.

security tool, there is no doubt that this one is exactly that. In fact, this is really an analysis tool in the sense that we use it to model the risks that could impact our network.

So, where does SecurITree fit into the risk modeling paradigm? Simply, the tool allows a security professional to create an attack tree customized for a particular

enterprise with custom weightings that can predict where attacks are more or less likely to succeed and why.

An example of a proactive use is creating a fully weighted attack tree and pruning one or more branches, both in the model and in the enterprise. The point of this approach is that pruning a branch in the right place on the tree has the effect of shortstopping a successful attack. In short, one is eliminating a vulnerability. Then, by eliminating the same vulnerability in the enterprise, a successful attack is precluded.

SecurITree is an excellent way to address risk proactively and with a level of abstraction that is useful. For that it gets our vote as one of the top 20. Anything that can make risk management easier and more effective likely will get our vote every time.



Amenaza[®]
TECHNOLOGIES LIMITED

Amenaza Technologies Limited

406 - 917 85th St SW, m/s 125
Calgary, AB T3H 5Z9 Canada
Telephone: 1-888-949-9797 toll free
+01 403 263 7737 international
www.amenaza.com

