

# A Scary “Mask”: Tag, You’re It!

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Remember the childhood game of chasing all of your friends in an attempt to merely lay a finger on them so they could assume the role of the “it” person? It doesn’t feel much different these days when dealing with technology. There are a ton of “bad guys” trying to compromise your technology for a variety of reasons. Once your computer is infected it may be a long time before you are even aware of the compromise.

## Advanced Persistent Threat (APT)

There are so many definitions of APT that it can make your head spin. It can refer to an advanced attack on a network. But today, an advanced persistent threat is more often defined as a body (e.g. a government) that has the ability and intent to target a specific entity with sophisticated intrusion techniques. Further, we describe an APT as dealing with a cyberthreat. Malware is installed on a computer or network device to gather intelligence and information about the selected target. Probably one of the more famous APTs is the Stuxnet worm, which targeted the computers for Iran’s nuclear program. Usage of APTs has grown tremendously over the last several years and we anticipate an even steeper growth given the recent revelations of spying activity by the NSA, Australian Signals Directorate and the British Government Communications Headquarters.

## Mask

This is not the kind of mask that you wear on Halloween (or perhaps every night in New Orleans), but a recently discovered APT that has been around infecting computers for at least the last seven years. It is really a tribute to the programmers that they developed software that has been in hiding for so long. In fact, several researchers have said that the attack, dubbed The Mask or “Careto” (Spanish for “Ugly Face” or “Mask”) is the most sophisticated APT operation they have ever seen.

Kaspersky Labs discovered the campaign while investigating attacks on a patched vulnerability for some of their older products and wrote a blog post describing it. “What makes The Mask special is the complexity of the toolset used by the attackers. This includes an extremely sophisticated piece of malware, a rootkit, a bootkit, Mac OS X and Linux versions and possibly versions for Android and iPad/iPhone (iOS).” That’s some pretty scary stuff. They also found the word “Careto” contained within some of the software modules as shown in the included graphic.

