Abstract

This paper studies different kinds of ransomware attacks right from its point of origin to the latest kind of ransomware attacks. As this malware threat has reported a significant increase in the number of report incidents happenings in countries like USA, UK and India. A study of its evolution provides for its first line of defense. So the paper offers an awareness of different kinds of ransomware variants from 1989 to 2017. It also analyses the effects of this malware on Android and Windows platform. After describing these variants it also presents the attack vectors of the Ransomware revolution. The paper also provides guidelines on preventing the losses by avoiding infection.

References

2. Ransomware attackers are going old school with social engineering accessible at
Influences on ransomwares evolution and predictions for the future challenges by Ezhil Kalaimannan, Sharon K. John, Theresa DuBose and Anthony Pinto

The evolution of ransomware by Kevin Savage, Peter Coogan, Hon Lau accessible at www.symantec.com

Types of Ransomware accessible at http://mobile.esecurityplanet.com/malware/types-of-ransomware

Ransomware Recap :January 14-29 2017 accessible at www.trendmicro.com

Ransomware Recap :January 30-February 15, 2017 accessible at www.trendmicro.com

Ransomware and recent variants accessible at www.us-cert.gov.in

Ransomware Dos and don’ts: Protecting Critical data accessible at www.symantec.com

Bluff Ransomware attacks Bamboozle British Businesses accessible at www.citrix.com

5 Methods for detecting Ransomware activity at www.netfort.com/blog/methods-for-detecting-ransomware-activity

https://www.virustotal.com

https://avcaesar.malware.lu

http://contagiodump.blogspot.in/2010/11/links-and-resources-for-malware-samples.html

https://www.hybrid-analysis.com

Index Terms

Computer Science Information Sciences

Keywords

Ransomware, Ransomware evolution, Ransomware classification, Ransomware analysis