

# Advanced Malware Protection Against ransomware

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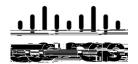
IT Security Consulting Systems Engineer

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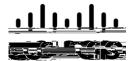
#### Modern malware: ransomware





#### The Evolution of Ransomware Variants

The confluence of easy and effective encryption, the popularity of exploit kits and phishing, and a willingness for victims to pay have caused an explosion of ransomware variants.



# How Does Ransomware Work?

#### **Typical Ransomware Infection**

Request of Ransom



#### Most Ransomware



## Best-



### The AMP Everywhere Architecture



Windows OS A

Android Mobile Virtual

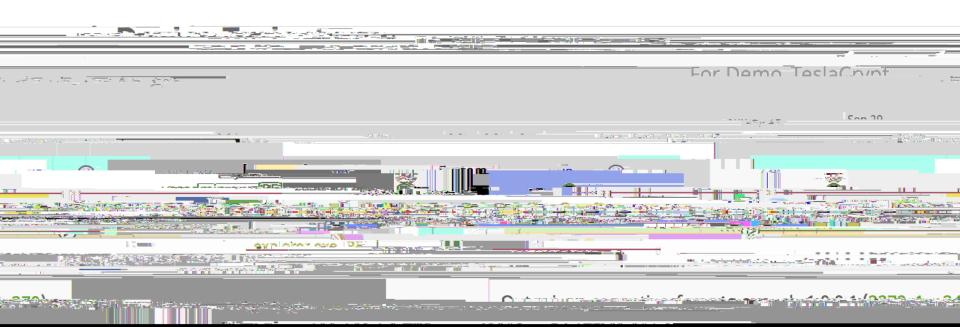
MAC OS

CentOS, Red Hat



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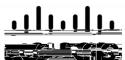
## Host Analysis





## Result of Dynamic Analysis





## Summary