

the attackers to attempt to elicit prompt payment.

What was also notable from the screens is the use of visuals, associated with authority or taken from popular culture. In some cases, the FBI logo was used with the aim of creating authority. In other instances, menacing pop culture images used included 'Jigsaw' from the Saw horror movie series.

We're just starting to uncover the underlying mind games used by attackers, but exploring the techniques used is important in broadening our understanding of how we can educate and support end users. The range of ways that attackers are

ESTIMATES PUT THE AVERAGE COST OF A RANSOMWARE INCIDENT AT MORE THAN \$713,000

leveraging fear, piling on pressure and ratcheting up anxiety points to a worrying trend. While the examples we analysed show varying levels of sophistication, we do know that we'll most likely see more professional ransomware campaigns emerging and – as attackers continue to profit from the crimes – higher payment figures will more than likely be demanded as a result.

We're also seeing new ways of criminals attempting to extort money from organisations such as the recent attack on HBO, in which attackers

broke into the network of the studio and reportedly stole over 1.5TB of information, including unreleased *Game Of Thrones* episodes, demanding a multi-million dollar ransom.

TACKLING THE PROBLEM

It's clear that we'll need new approaches to deal with these threats. Mechanisms for reporting crime that are clearly defined are important. Ransomware often goes unreported, however we need to have a clear and accurate picture of the scale of the problem in order to more effectively tackle the ransomware epidemic. Reporting these crimes will help government agencies and law enforcement to understand how and where to allocate the resources.

Organisations need to continue to be vigilant. Ensure that there are proper backups in place and isolate the attack quickly so that it cannot spread further. It's vital that staff are trained to act quickly – the first actions taken in the immediate aftermath of an attack are critical to minimising its impact. Our advice is also that organisations should not pay the ransom; this plays into the hands of the attackers and perpetuates the spread of this crime.

Ransomware is one of the fastest growing types of malicious software and as it continues to evolve, we need to deepen our knowledge of the tactics criminals are using to manipulate victims. This provides a route to more informed defence strategies, training, and awareness for users and security teams, which is based on the realities of the threats they are facing ●

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Criminals hacked HBO's network and threatened to leak episodes of *Game Of Thrones* if their demands weren't met

