The Internet of Things (IoT) is a reference to a growing number of small, devices connected to the internet, which can transmit data and operate autonomously. Largely developed for consumer use, the rise of connected devices is an emerging trend in industrial technology, operational technology (OT), and personal use. The trend is driven by the digital transformation of personal and corporate environments, which has created opportunities for these devices to augment human capabilities.

On the other hand, operational technology (OT) defines a specific category of hardware and software that can operate remotely, independently of internet connectivity. Examples of these technologies can include printers, smart phones, smart appliances, sensors, and automation, as well as connected medical devices, autonomous vehicles, and other connected objects.

The OT device is now vulnerable to threats that previously were not a concern. Where once OT devices were believed to be immune to most threats, the advent of connected devices has opened new avenues for attackers. In recent years, there has been a significant increase in attacks on OT devices, including attacks on control systems, sensors, and other devices. This has led to the creation of a new category of security threats, known as IoT/OT security.

Revamped malware utility

Recent research has shown that cybercriminals are adapting their tactics to exploit the vulnerabilities of connected devices. This is especially true for OT-specific attacks, which have increased in number and severity. This is a significant concern, as OT devices are used in a wide range of critical infrastructure, from industrial control systems to power grids and healthcare systems. This makes them particularly vulnerable to attack.

The rise of connected devices has created opportunities for attackers to gain access to sensitive information and software, as well as to critical systems. This is a significant concern, as it can lead to the compromise of critical infrastructure, putting the safety and security of individuals at risk.

The impact of these threats is significant, as a single attack can cause widespread disruption and damage. This is especially true in critical infrastructure, where the potential for damage is significant.

Revealed malware utility

To understand the threat posed by connected devices, it is important to look at how cybercriminals are exploiting these devices. One of the most common tactics is to exploit the vulnerabilities of these devices to gain access to critical systems. This is done by using a variety of techniques, including malware and other tools.

Payload lies about version.

In some cases, cybercriminals are using malware to gain access to connected devices. This is done by exploiting vulnerabilities in the software that runs on these devices. Once the malware has gained access to the device, it can be used to gain access to critical systems.

Ensuring telemetry on remote management ports over time

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