Cyber Security in Smart City

Nexusguard is the global leader in fighting malicious internet attacks. We protect our clients against a multitude of threats, including distributed denial of service (DDoS) attacks, to ensure uninterrupted internet service.

Our Client base covers government offices, utilities, Banks, Financial Institutions, eCommerce, Telco, ISP, Hosting Companies.

Jeremy Lee
Director of CyberSecurity Solutions, APAC
Nexusguard

Engaged in Cyber Security field for more than a decade, assisted companies in public and commercial sectors to formulate their protection strategies.

Behind the Scenes of Smart Cities

Mr. Jeremy Lee, Director of CyberSecurity Solutions, APAC

NEXUSGUARD

Generation of Smart Cities

Smart Cities 1.0

Technology Driven

Advanced technology as a lever for viability, sustainability, and control

Smart Cities 2.0

Technology Enabled, City-Led

Technological tools explicitly are designed to cope with problems in consultation with their citizens

Smart Cities 3.0

Citizen Co-Creation

Every day collaborative acts with broader goals like social inclusion, democracy, enterprise creation and building social capital

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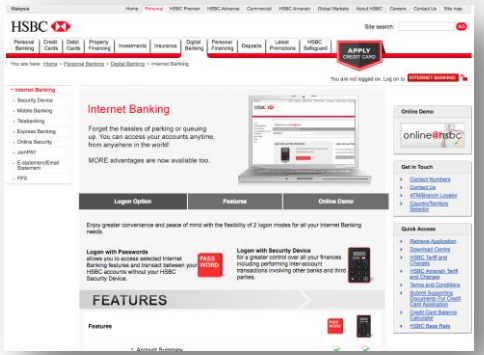
Smart City Smart Lifestyle

Online Shopping

At least one online purchase in the first half of 2017, led by those in emerging markets including China (97.3 percent), Vietnam (96.2 percent), India (92.9 percent), Malaysia (92.8 percent) and Thailand (87.1 percent).

Source: latest Mastercard Online Shopping Survey



E-banking

61% of banking customers expect to increase their online interactions across their lifecycle.

Source: Accenture's Banking Customer 2020 trends report

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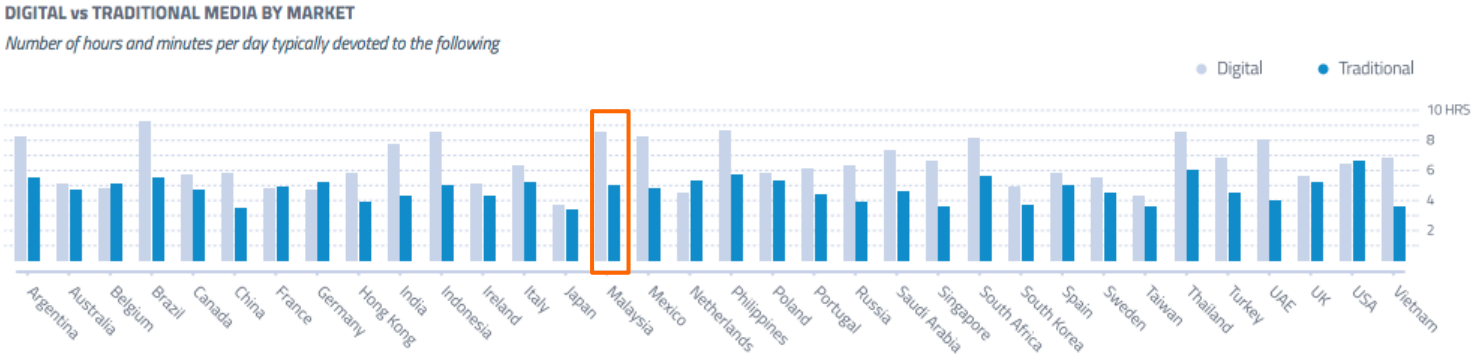
Smart City Smart Lifestyle

Digital Media

In APAC, Consumers are spending longer each day on digital forms of media rather than traditional.



Source: GlobalWebIndex Digital vs. Traditional Media Consumption Insight Report Summary Q1 2017

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Have you ever imagined that?

Ransom DDOS attacks hit Malaysian financial firms: Experts advise action plan for IT

AvantiKumar | July 17, 2017

Credit: GraphicStock

[Updated 16 July 2017] See Update section towards end of this article. This article was first officially published on 10 July 2017

Digital security agency CyberSecurity Malaysia has confirmed that as of Friday (7 July 2017) a DDOS attack has hit four financial firms.

Hackers disrupt trading at brokerages

NATION

Saturday, 8 Jul 2017

By P. Aruna and Lee Kah Leng

33042321 - faceless hooded anonymous computer hacker with programming code from monitor

KUALA LUMPUR: Service at several local online brokerages here was disrupted after what is believed to be an attack by hackers demanding money, the second strike since Wednesday.

This comes just weeks after malware WannaCry and NotPetya – used to encrypt the files of infected computers and hold the owners to ransom – crippled hundreds of businesses worldwide.

Cybercriminals Threaten Companies Around the Globe with DDoS Attacks

Email demands payment -- or criminals will take companies and their websites offline.

By Joseph Steinberg *CEO, SecureMySocial* @JosephSteinberg

NEWS 3 OCTOBER 2017

UK lottery apologises for DDos attack

By Harrison Sayers

Police arrested a hacker who allegedly triggered a DDoS attack on the 911 emergency call system

by Ashley Carman | @ashleyrcarman | Oct 30, 2016, 12:51pm EDT

Cybercriminals can be targeting for monetary or non-monetary value and WE are the sufferer.

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Security

UK hospital meltdown after ransomware worm uses NSA vuln to raid IT

Docs use pen and paper after computers scrambled amid global outbreak

By Kat Hall 12 May 2017 at 14:22 338 SHARE ▼

Final update UK hospitals have effectively shut down and are turning away non-emergency patients after ransomware ransacked its networks.

October 16, 2017

DDoS attacks delay trains, halt transportation services in Sweden

A series of distributed of denial of service attacks aimed at Sweden's transportation services caused train delays and disrupted over travel service earlier this week.

DDoS attacks delay trains, halt transportation services in Sweden

A series of distributed of denial of service attacks aimed at Sweden's transportation services caused train delays and disrupted over travel service earlier this week.

The first attack took place on 11 October, striking the Sweden Transport Administration (Trafikverket) via its two internet service providers, TDC and DGC. The DDoS bombardment reportedly crashed the IT system that monitors trains' locations and tells operators when to go or stop. It also took down the federal agency's email system, website, and road traffic maps.

Customers during this time were unable to make reservations or receive updates on the delays, BleepingComputer reported, citing local Swedish press.

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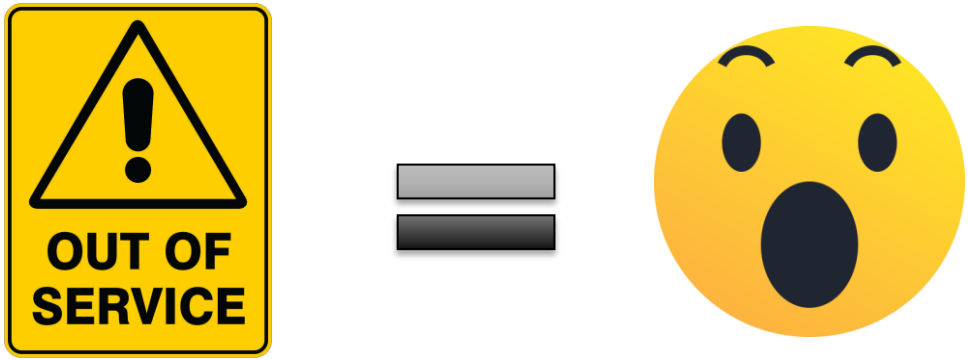
Availability is Critical

Distributed Denial-of-Service (DDoS) attacks will kill availability.



How large would the impact be if services are unavailable?

Inconvenient? Loss of money? Live of citizens?

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Uptime All The Time

- ✓ Protection
- ✓ Reduce latency
- ✓ Safeguard your assets
- ✓ No interruption to daily life

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Build Your Cybersecurity Strategy While Building A Smart City

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Take Home Message

- Availability is necessary, down time cost is huge and unimaginable.
- Effort to ensure uptime is required.
- Plan your Cybersecurity strategy while building up a Smart City.
- Achieve an ultimate goal of creating Safe Smart City that you can trust.

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Q&A

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The Global Leader in DDoS Mitigation

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