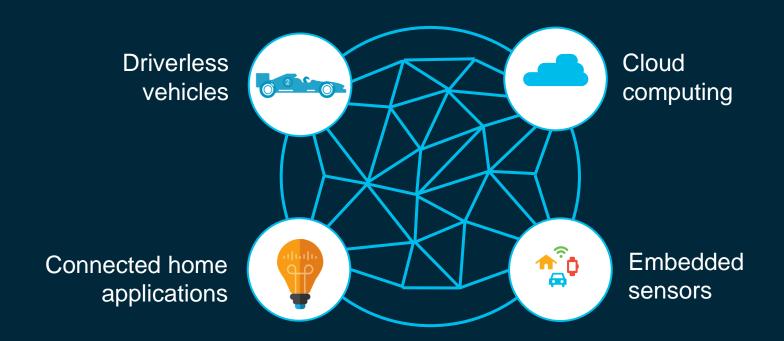




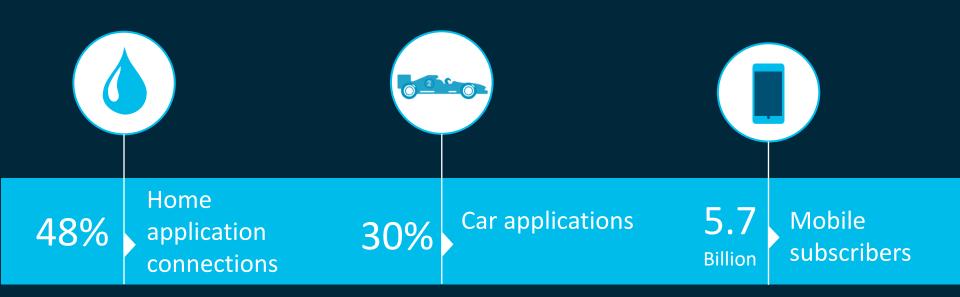
The world is changing fast.

It needs protection.

# With Everything Getting **Connected** the Threat Landscape is Rapidly Changing



#### By 2023, global Internet connections will rapidly increase



and as a result, will increase the attack surface

Every 39 seconds,

there's a hacker attack

#### Top Concern for Government/Private Sector





Cybercrime damage predicted to hit \$10 trillion annually by 2025



Cybersecurity spending to exceed \$1 trillion from 2017-2021

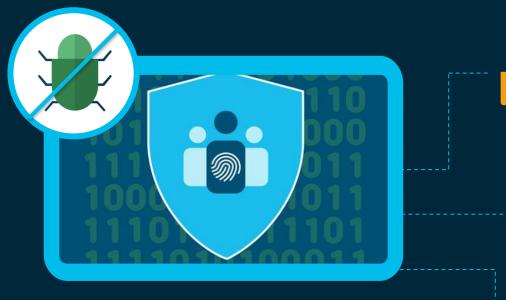


Ransomware damage is predicted to grow more than 57X from 2015-2021



70% of cryptocurrency transactions will be for illegal activity by end of 2021

### Security is #1 Concern for CEOs – Here's Why





58 days median time from internal data breach to discovery 2



186 days median time from external breach to discovery

Sophistication, stealth, and frequency of threats will continue to increase



\$3.92M average cost of a breach

2. Source: Mandiant M - Trend Report, 2018

3. Source: Ponemon Institute: Cost of a Data Breach Study, 2019

# Over 75% of healthcare industry has been infected with malware over last year



- More than 25 percent of cyberattacks in healthcare delivery organizations involved the Internet of Things (IoT). To be clear, in medical terms, that means wirelessly connected and digitally monitored implantable medical devices (IMDs) — such as cardioverter defibrillators (ICD), pacemakers, deep brain neurostimulators, insulin pumps and ear tubes
- Ransomware attacks on healthcare organizations are predicted to grow to 5X by 2025, according to Cybersecurity Ventures

## Impacting all Industries



### War Stories







Hijacked People

Ransomed Organizations

**Targeted Nations** 

Hackers stole half a billion

personal records in 2018

### Who are behind these Cyber Threats?



Insider





**Criminal organisations** 



State-sponsored efforts

The world needs skilled workforce to

fight in the war against cybercrime

## Widening the skills gap

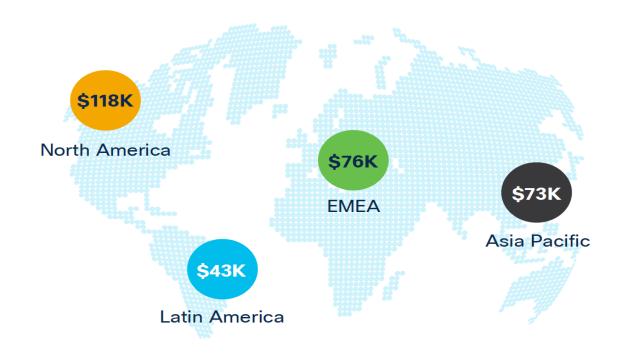
3.5 million

By end of 2023, the global cybersecurity workforce shortage has been projected to reach more than 3.5 million

### Workforce Gap by Region



## Cybersecurity Salary Map



**Average Cybersecurity Salaries** 

# According to a recent <u>survey</u> of IT decision makers by the Centre for Strategic and International Studies



Say they have a shortage of cybersecurity skills



Say it causes direct and measurable damage to their organization

## Cybersecurity Employment Opportunities



Jobs are growing 3x faster than IT jobs in general



84% of organizations believe that 50% or fewer are qualified



Global shortage of 6 million professionals expected by 2025

## Cybersecurity Job Opportunities in Bangladesh

According to Cyber Maturity Survey by NCERT Bangladesh, the job market for information security analysts will grow by 72% by 2024, which makes it one of the fastest growing job fields.

Every IT position is a cybersecurity position. Every IT worker, every tech worker, needs to be involved with protecting and defending apps, data, devices, infrastructure and people.

**Cybersecurity Ventures** 



Education and training is key

# Networking Academy

Cybersecurity is a top concern for governments and organizations around the world. Recognizing this problem, Cisco believes it is critical for organizations to develop knowledge and capacity in this area. We can help provide training and skills on through our Cisco Networking Academy program.

#### Cybersecurity Pathway

Cybersecurity professionals who can protect and defend an organization's network are in high-demand. Put your detective-like qualities to work by gaining knowledge toward a career in fighting cybercrime.



→ Pre-requisite knowledge

---> Recommended pre-requisite knowledge



Certification preparation

Digital badge earned

#### Cybersecurity Jobs and Talent Bridge



Of Talent Bridge employers

require some level of

cybersecurity expertise



Of employers surveyed indicated cybersecurity skills are very/extremely important



"Cybersecurity is imperative to our business and with the innovation of cloud and IoT it is even more important."

Richard Ackerman VP of Workforce Development Red River Technologies

#### **Employers seeking Cyber skills**

















# The certification advantage

"Six in 10 cybersecurity security jobs request certification."

-Burning Glass Technologies, 2019



#### More earning potential

On average certified cybersecurity professionals are paid \$88K/year while those without certification earn \$67K/year



# Job-ready skills and knowledge

Industry certifications prepare you for realworld jobs



# Knowledge is power, but certification is the proof

- Cisco Certified CyberOps Associate
- CompTIA Cybersecurity Analyst Certification
- (ISC)<sup>2</sup> Information Security Certifications
- Global Information Assurance Certification (GIAC)



"Candidates with a certification definitely separate themselves from the crowd during the initial recruiting process. It shows the ability to master a specific technical skill, something that a successful consulting engineer will have to continue to do throughout their career."

Pete Keuler

Manager, Associate Engineer Program for CDW



#### **Thank You**