BSIDES

BRISBANE 2020

Hi! We're Telstra Purple

We're more than just tech and innovation. We're a collection of passionate people who give purpose to technology.

These are the most important aspects of our business. In fact, so important that we've used them to literally inspire our name.

We're a technology services organisation focused on transforming businesses, from the network to digital experience and we do it all with a purpose in mind.

Everything we do is founded on our core beliefs:

- We thrive when our people thrive
- Our customers' success is our success.
- We are trusted and empowered as individuals
- We are stronger together
- We continuously learn, share and innovate

We recognise that life experiences are varied and complex. We benefit from each person's unique gifts, and push for diversity and inclusivity in all we do. Our people make us a stronger and more purposeful business, where we come to celebrate our shared love of technology.

Join us as we bring a brilliantly connected future closer to you.

MAIN PRESENTATIONS HALL SCHEDULE

Main presentation hall is room GP-Z-411

Start - Finish	Talk Info
8:00am -8:45am	**EVENT REGISTRATION**
SPONSOR: EQUATE TECHNOLOGIES Ticket and merch collection at the front desk, ready for keynote at 0900. Pre-paid coffee for all attendees courtesy of Equate Technologies.	
8:45am - 9:00am	**WELCOME TO BSIDES BRISBANE 2020**
SPEAKER: BRUCE LARGE What an interesting year 2020 has been. Welcome back to those who return, and hello to those of which this is your first BSides.	
9:00am - 10:00am	**COLLABORATION - THE SECRET OF CRIMINAL SUCCESS**
PRESENTERS: BRIAN HAY, RET. LT COLONEL BILL HAGESTAD II, PROFESSOR JONATHAN RUSCH Join Brian Hay (former Operational Commander, Fraud and Cyber Crime, QPS), Ret. Lt Colonel Bill Hagestad II (expert in Chinese Cyber Espionage), and Professor Jonathan Rusch (former US Dept of Justice and Chair of the Presidential Identity Theft Committee and Chair of the International Mass Marketing Fraud Working Group), for our keynote presentation on the secret of criminal success.	
10:00am - 10:45am	**IMPORTANCE OF THREAT MODELING IN ICS**
PRESENTER: BHOJRAJ PARMAR (MANDIANT) Threat modeling in digital space, finds its roots in 1970s, and since then it has matured in to well known frameworks such as STRIDE, PASTA, CVSS, attack trees and more. During this session, Bhojraj will explore ways to make it easier for OT operators and security professionals to priortise threat modeling activities to identify threats and vulnerabilities proactively.	
10:45am - 11:00am	**MORNING TEA BREAK**
11:00am -11:45am	**QUICK WINS OR GREAT LOSSES; PREVENTING AND PREPARING FOR INCIDENT RESPONSE**
PRESENTER: LUKE PEARSON (MANDIANT) Luke will showcase some “quick wins” businesses of all sizes can implement to harden their environments against attackers and to better prepare for investigation should compromise occur. These recommendations are drawn from front-line experience, and come complete with real world examples to demonstrate why you should consider implementing them today.	

Start - Finish	Talk Info
11:45am - 12:30pm	**THE GAP IN AUSTRALIA'S DEFENCE**

PRESENTER: JOHN POWELL (TELSTRA PURPLE)
Between the work of Intelligence Services and the Defence Force, can Australia be considered secure? We all know the answer is no, but what can we do about that? Let's start a discussion that addresses this problem.

12:30pm - 13:30pm	**LUNCH BREAK**

An hour to run around, stretch the legs, and grab a snack from nearby food venues.

13:30pm - 14:15pm	**FROM THE VEST TO THE FLAK JACKET: HOW CYBER SECURITY ARCHITECTURE AND ARCHITECTS NEED TO SUPPORT SECOPS**

PRESENTER: BRUCE LARGE
In this presentation Bruce will share his understanding and thoughts regarding cyber security architecture and how architects need to support security operations to secure their environments. As a security architect with operational support experience Bruce will discuss how to do the right things and how to do things right. This session will discuss concepts from SABSA and System Engineering and how to integrate them with current security standards and control frameworks. This session will also touch on how we can better develop the relationships between security architecture and security operations.

14:15pm - 14:45pm	**RESEARCHING CRITICAL INFRASTRUCTURE SECURITY**

PRESENTER: KYLIE MCDEVITT
This talk will overview what comprises a control system, the journey of building a research environment for control systems security in the ACSC and concludes with a brief summary of the ongoing priority of control system security for Australian Government.

14:45pm - 15:15pm	**SCALED SECURITY FROM SCRATCH FOR A GLOBAL STARTUP**

PRESENTER: COLE CORNFORD (CHANGE.ORG)
Many security professionals start our careers in large organisations. Whether it's a bank, the government, or a telco, most of these businesses have well established and resourced security functions. But joining a startup can be a very different environment, especially as the first security hire.

As a Staff Security Engineer at Change.org, Cole is managing both organisational risk as well as technical controls across the company. This talk will discuss what you need to consider when joining a small organisation (especially technology companies) as a team of one, and his lessons from implementing these practices at Change.org.

Start - Finish	Talk Info
15:15pm -15:30pm	**AFTERNOON TEA BREAK**
15:30pm - 16:15pm	**BUG BOUNTIES - WHAT REALLY MAKES A SUCCESSFUL HUNTER?**

PRESENTER: MICHAEL SKELTON (BUGCROWD)
Plenty of people have taken this on - why re-cover old ground? For Michael, this is largely because he feels the advice offered is often misguided, and too focussed on "you should hunt for this technical bugclass", or, "you should do recon with xyz datasource", or even"you should start out with kudos". He doesn't believe any of this advice is necessarily bad, but also believes it may set people on a path to missing the fundamentals of what makes a truly good bug hunter. The intention of this presentation is to correct those ideas, in some small way.

16:15pm - 16:45pm	**WTF IS RUNNING ON YOUR NETWORK?**

PRESENTER: PATRICK DWYER
This talk will cover some of the realised risks from 3rd party software components, the need for software component transparency, and what you can do about it today to enhance your security posture.

16:45pm - 17:30pm	**BGP HIJACKING AND SECURE INTERNET ROUTING**

PRESENTERS: WARREN FINCH, TASHI PHUNTSHO (APNIC)
BGP mishaps are very common and frighteningly very easy – malicious route hijacking, mis-origination (fat fingers), and route leaks (bad filters). We need better mechanism(s) to ensure no one can inject false information into the global routing system that easily. Warren will use this presentation to look at current tools/techniques, how RPKI is just a piece in the puzzle, and what we should all do to secure Internet routing.

17:30pm - 17:45pm	**CTF CLOSE OUT AND PRIZES**

SPONSORS: HACKTHEBOX.EU
Jake (Nomad) will present the CTF winners for this year with prizes as donated by HackTheBox.eu.

17:45pm - 18:00pm	**CONFERENCE CLOSE OUT AND THANK YOU**

SPEAKER: BRUCE LARGE, JOSH, BRODIE
Close out and thank you for a fantastic event. Details of the after party to be provided.

CONTENT

Room GP-Z-411	**Presentation**
Room GP-Z-401	**Presentation**
Room GP-Z-406	**Presentation**

CTF

ROOMS GP-Z-606 & GP-Z-607

ESCAPE ROOM

ROOMS GP-Z-413

CYBER ESCAPE ROOM: CRITICAL MASS

"Raj was only supposed to be gone for the weekend, but its been 3 weeks and everyone is nervous. You know Raj, a key part of your group of friends. You get his keys and head to his apartment and quickly realise things aren't as they seem. Critical Mass is the story of two faces, Raj lives in the day as a friend that is always there for you, but his nights are spent on the dark web, social engineering unsuspecting victims, with no remorse."

Critical Mass' is about the tipping point, understanding current and next-level security concepts on a fundamental level to help improve secure decision making. This room focuses on basic enterprise awareness as well as concepts that are not traditionally taught to end users. Learning concepts will include social engineering, securing sensitive data, phishing awareness, RFID security, lock picking, blackmailing, catfishing, and doxxing.

Spaces in these Cyber Escape Room sessions are limited. If you haven't already signed up to attend (and there are still spaces available) sign up outside room GP-Z-413.

Cyber Escape Rooms supported by CyberCX and Living Security

WHERE TO EAT

Origin Kebab
Located P Block Level 3 Food Court

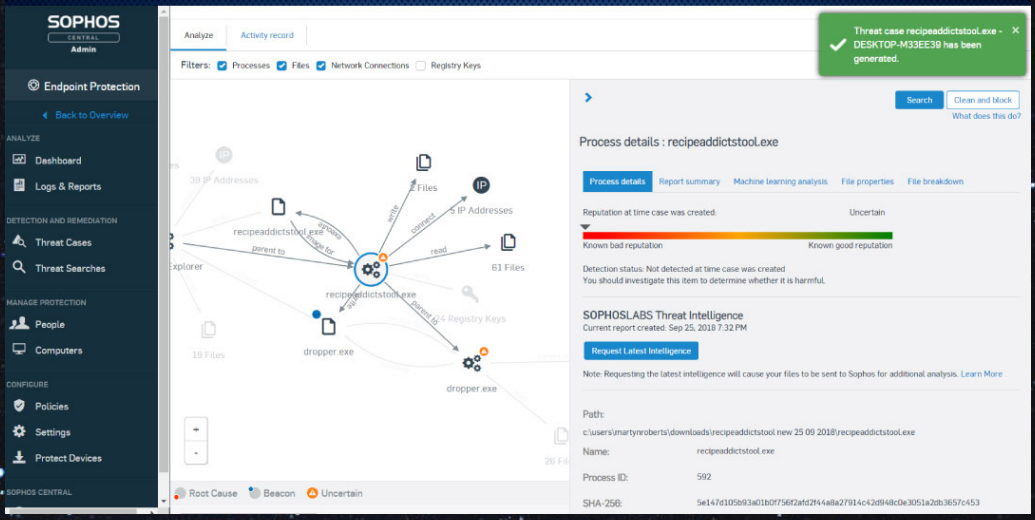
Gerbino's Cafe
Located Z Block Level 4
(It's literally right in front of you...)

WHERE TO GET CAFFEINE

Gerbino's Cafe
Located Z Block Level 4
(Seriously, it's not hard to find..)

WHERE TO SEEK HELP

For **Emergencies**, call 000 (then call +61 7 3138 8888)
QUT Security - +61 7 3138 5585 1800 065 585 (freecall)



QUT GARDENS POINT CAMPUS MAP

HARDWARE HACKER VILLAGE

Located in Room GP-Z-504

FEATURING:

Hack-A-Bomb

PLC Skilltester

Turnstile Hacker

Lockbox

City Power Grid

SEE YOU NEXT YEAR!

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