



# How to protect against Cybercrime

Prepared for Sutherland Shire Business Chamber

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## Make the net work for you.

Fast connections, robust relationships.



# Keeping local businesses connected

## Empowering local business

At Espressonet, we are passionate about empowering you, local business, to thrive through superior connectivity and communication tools.

Our goal is to see you succeed in your industry and we want to be the conduit to help make that happen.

We provide the full suite of connectivity services to ensure your business can thrive in this ever evolving digital space. We want to know you, your business goals and find the digital solution to make it happen. We won't overwhelm you with a slew of complicated technical terms. We'll use our technical expertise to provide solutions.

We've got the skills, and most importantly the passion to understand your communications needs. We're here to give Telco a good name.

# Business Protection



PROTECTION



PHONES



INTERNET



RELOCATIONS



MOBILE

## Full suite Anti Virus / Internet Protection

- provides real-time protection against existing and emerging malware including ransomware and viruses, and helps protect your private and financial information when you go online
- Choose and paid subscription like: ESET, Norton, McAfee, Malwarebytes

## Strong Passwords

- Create 12 Characters passwords including numbers and symbols
- Use Password managers ( software )

TIP: Avoid holding a word doc with all passwords saved on your network

## Encrypted Drives

- Particularly useful for laptop computers that could be lost or stolen. This protection encrypts your data on the local drives on the PC.



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## Network Router – Default Admin Password

- Network routers can allow remote access to your network.
- Hackers can create new Wi-Fi networks and work undetected your business

TIP: Change the default admin password to something unique

## Wi-Fi Guest Network

- Your business Wi-Fi network can provide access to all of your connected devices

TIP: Create a Guest Wi-Fi network and provide SSID and password to guests.

If your using a Wi-Fi guest network for access back to your office, always use a VPN.



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## PBX / Phone systems – Default Admin Password

- Phone can systems provide a gateway to the internet from your network. Hackers creates a voicemail to route call to international destinations ( AKA: Telephone Phreaking )

TIP: Change the default admin passwords to something unique

## International Calling

- VoIP phones can be hacked to setup call forwarding to international destinations, with multiple lines simultaneously

TIP: Request your phone service provider to prevent international calls.



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## Data Backup

- Backup of data takes a snapshot of the files on a regular basis and stores the information for retrieval if required.

TIP: Data must exist at least 3 times.

Backup frequency should be at least daily

## Cloud Drives – Are not a backup

TIP: Request your IT service provider to confirm if your data is backed up on a regular basis and how do you recover the files.

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**Is total protection available for business?**



# Business Protection



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## YES...

Espressonet works with WatchGuard

### Industry Proven Protection

- Enterprise grade
- Service Reliability
- Proactive preventative, detection and response
- On premise and Cloud
- Scaled solutions from SME to corporate

NETWORK

ENDPOINTS

WI-FI

PHYSICAL

VIRTUAL

**TOTAL SECURITY**

espressonet



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## INTRUSION PREVENTION SERVICE (IPS)

IPS uses continually updated signatures to scan traffic on all major protocols to provide real-time protection against network threats, including spyware, SQL injections, cross-site scripting, and buffer overflows.



## GATEWAY ANTIVIRUS (GAV)

Leverage our continuously updated signatures to identify and block known spyware, viruses, trojans, worms, rogware and blended threats – including new variants of known viruses. At the same time, heuristic analysis tracks down suspicious data constructions and actions to make sure unknown viruses don't slip by.



## Application Control

Selectively allow, block, or restrict access to applications based on a user's department, job function, and time of day and to then see, in real-time, what's being accessed on your network and by whom.



## APT BLOCKER – ADVANCED MALWARE PROTECTION

APT Blocker uses an award-winning next-gen sandbox to detect and stop the most sophisticated attacks including ransomware, zero day threats and other advanced malware.



## THREAT DETECTION AND RESPONSE

Correlate network and endpoint security events with enterprise-grade threat intelligence to detect, prioritize and enable immediate action to stop malware attacks. Improve visibility by evolving your existing security model to extend past prevention, to now include correlation, detection and response.



## REPUTATION ENABLED DEFENSE SERVICE (RED)

A powerful, cloud-based reputation lookup service that protects web users from malicious sites and botnets, while dramatically improving web processing overhead.



## WEBBLOCKER URL FILTERING

In addition to automatically blocking known malicious sites, WebBlocker's granular content and URL filtering tools enable you to block inappropriate content, conserve network bandwidth, and increase employee productivity.



## spamBlocker

Real-time spam detection for protection from outbreaks. Our spamBlocker is so fast and effective, it can review up to 4 billion messages per day.



## DATA LOSS PREVENTION (DLP)

This service prevents accidental or malicious data loss by scanning text and common file types to detect sensitive information attempting to leave the network.



## NETWORK DISCOVERY

A subscription-based service for Firebox appliances that generates a visual map of all nodes on your network so you can easily see where you may be at risk.

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## Next steps for protection?



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