

## CASE STUDY

# BOLT AND ENGINEERING DISTRIBUTION (B.E.D.)

## EXECUTIVE SUMMARY

### CHALLENGES

- Network security
- Fault reports are being received on time
- Setup off-site servers and manage data traffic
- Restrict social media usage so that only the marketing department has access to increase productivity

### GOALS

- Fast deployment of wide area network (WAN) with minimal productivity disruption
- Increase IT efficiency and agility
- Increase uptime by introducing fibre and using LTE solution as failover
- Introduce multiple security layers to ensure network security
- Move servers off-site and prioritize data traffic between servers and branches

### RESULTS

- Fast and simple deployment of The PowerCloud EDGE SD WAN firewalls
- Automatic failover and data traffic management incase of disruptions or brown outs in main internet link
- Alerts automatically sent to the IT department as they occur giving them the ability to be more agile and proactive
- Data prioritization helped resolve the poor voice quality issue
- Fast, reliable and secure data transfers between branches and the cloud servers via PowerCloud EDGE SD-WAN firewall

## OVERVIEW

B.E.D is a leading supplier of commercial and industrial fasteners. They supply commercial bolts, nuts washers, industrial specialized fasteners, high tensile bolts, chemical anchors, washers and more in standard and special formats.

B.E.D has 9 warehousing and distribution centres across South Africa and above having a team of over 300 dedicated staff members, they also export products internationally.

B.E.D approached our team at PowerCloud to help resolve their networking and security challenges with The PowerCloud EDGE SD-WAN solution. One of the major draws was the simplicity of implementing the system with minimal to no disruption to their day to day operations. The solution gave them the security, traffic monitoring, proactive reporting and stability that they wanted. Bolt and Engineering Distributors has been a satisfied PowerCloud client since the end of 2017. When asked what they would like us to change, Alex Perria said 'Nothing, keep doing what you are doing.'

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## CLOUD-BASED NETWORKING

The PowerCloud EDGE solution makes use of a software-defined wide area network (SD-WAN.) This reimagines the way distribution businesses rollout, secure and optimize applications and technologies. A cloud-based networking approach greatly reduces the cost and time it takes to deliver new services across multiple locations.

Here are a few examples of what the PowerCloud EDGE made possible for B.E.D :

- Enhanced Security from the firewall
- Content filtering
- Blocking malicious sites
- Security threat protection from:
  - Malware
  - Botnets
  - Phishing
- Business continuity
- Automatic failover to the backup internet link if the main link goes offline

The PowerCloud EDGE also monitors and analyzes app performance on the main internet connection and the backup connection to optimize traffic on the paths available.

This was especially important to them with them implementing their off site servers.

## REPORTING AND MONITORING

### NOC MONITORING

- As part of The PowerCloud EDGE SD-WAN solution our network operations centre monitors the availability to all B.E.D sites and notifies them should links deteriorate and not only when they're offline.

### REAL TIME CONFIGURATION VIEW

- The team at B.E.D has a real time view of most of the configurations that are present on the network

### PACKET-FLOW ANALYTICS AND REPORTS

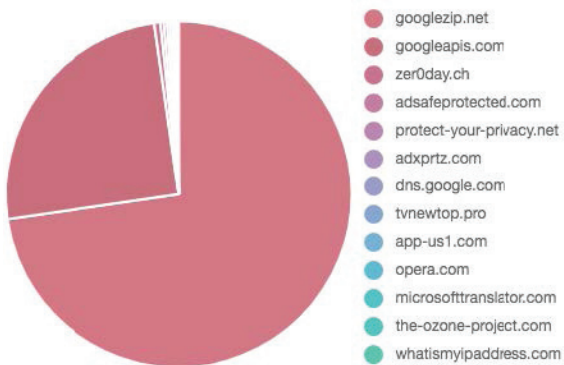
- The key to the success of PowerCloud SD-WAN is our focus on comprehensive and detailed network reporting. With PowerCloud B.E.D has been able to access the following reporting (the reports are inclusive of every device/computer on their network which has improved productivity):
  - Sites visited most frequently
  - Amount of data used
  - Threats blocked
  - Detailed network usage reports
  - Breakdown of services used

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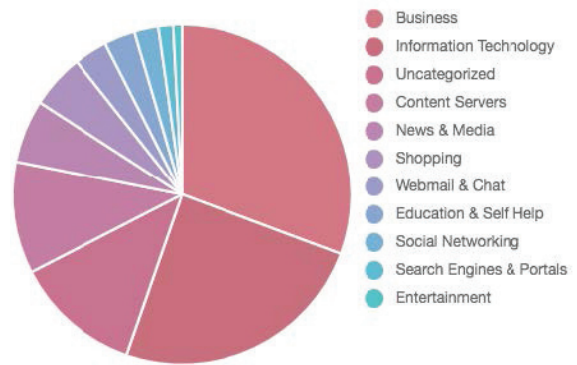
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### EXAMPLE OF THE SECURITY REPORT GRAPHS

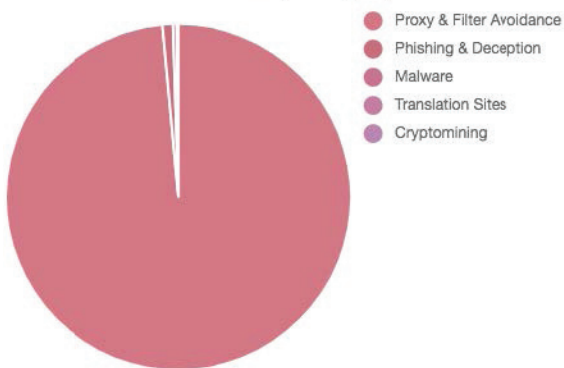
Threats by Domain



Top Categories



Threats By Category



Top Domains

