

## **HAPPINESS IS...**

**GETTING FREE DATA FOR 1 YEAR** 

Visit a Digicel Store today!

Terms and Conditions apply. Prepaid customers only, \* 250MB/month for three months. For more information, call Customer Care on 123 or visit the website.









Digicel

## TVL Cracks Down on Malicious Domain

Internet domain cleanup efforts date back to 2013

By Dan McGarry and Colin Cortbus

major Distributed Denial of in retaliation for the Service-or DDoS-attack, crackdown-a common Telecom Vanuatu Ltd scenario. confirmed this week that it to stamp out malicious and illegal activity originating from the .VU internet domain space.

TVL staff declined to comment when asked Even as it coped with a whether the attack was

A Daily Post has taken concerted action investigation has shed light on a dark corner of the internet.

☐ Story continues on page 2



## TVL Cracks Down on Malicious Domains

of questionable and often illegal

administration and governance

of over a thousand top-level

domains, and through its various

administrative delegates,

countless million subdomains.

D From Front Page

content. Unscrupulous business An internet domain name is people have been on-selling similar to a mailing addresssubdomains in the .VU name an easy-to-remember sequence space to customers engaging of letters or numbers that allow in such activities as fundraising people to identify the site. The for ISIS, propagating neo-Nazi best-known domains are in the

ideology and attacking innocent .COM (short for 'commercial') computer users using 'phishing' domain space. But each country scams to obtain passwords and has its own name, known as a other confidential data. country code Top Level Domain. The telecommunications or ccTLD.

company, which is responsible Vanuatu's ccTLD is .VU. In the for the administration of the .VU late 1990s, Telecom Vanuatu Ltd internet domain, reacted swiftly was asked by the government when a list of troubling domains to administer the .VU domain. was provided to them. At that time, the entire internet In a mid-week meeting domain system was run by a with the newspaper, TVL single person, a UCLA-based

.VU domain space, the domain

has been used as a platform

to on-sell subdomains, many

of which ended up pointing to

websites hosting a wide variety

representatives stated that these computer scientist named John efforts were just the latest in a concerted clean-up operation After Mr Postel's death that began in earnest in 2013. in 1998, a global internet Perhaps the worst example governance body was established of domain abuse is the CO.VU to oversee domain management. domain. Originally registered The Internet Corporation for in 2006, at a time when there Assigned Names and Numbers, was little to no oversight of the or ICANN, currently oversees the

To this day, TVL retains administrative and technical

control of the .VU domain. Company representatives complained to the Daily Post that the task of keeping the entire domain space clean and

within the law is a vast and

difficult process, requiring the

cooperation of agencies and

individuals throughout the world. The CO.VU domain, for example, is registered to an address in Bangalore, India. The subdomain reselling

service's website is hosted in the

Amazon cloud, and many of its

subdomains are automatically

hosted on Google.

For the first few years of other week. operation, abuse was rampant and went largely unchecked. In recent years, however, TVL technical staff began to wrestle with the problem of widespread unethical and even illegal activity originating from within

the CO.VU domain. In mid-2013, two .VU subdomains, DE.VU and CO.VU,

were responsible for nearly 3% of all phishing activity, ranking them in the top 20

The domain has been the source of only two complaints in the last 12 months. That

a decidedly spotty history of said, staff and management internet domain abuse, Palau, insisted that their patience was Christmas Island and Tokelau's nearly exhausted, and they

were prepared to shut down the entire domain at the first sign of a downtum.

Management of the .VU subdomain has been a bone of contention for many years now.

known phishing attacks. There have been complaints In the latter half of 2013, that about the domain's technical number dropped to 292. By midadministration, Security experts 2014, the number was 52. The have raised these concerns

in the past.

emerging.

average duration of each attack also dropped by more than half. Technical staff told the Daily Post that in the early going,

they were receiving malicious

globally. A report from the Anti

Phishing Working Group-a

global body with members

including the International

Telecommunications Union,

the OECD, ICANN, the EU and

many others-stated that in the

first six months of 2013, AU

domains were the source of 913

activity reports concerning CO.VU domains almost every Their initial inclination was to drop the entire domain.

but ICANN suggested to them that blacking out over 200,000 subdomains to stop a few dozen was an overreaction. TVL relented, and began a slow, painstaking process of bringing

domain administrator 'kicking

and screaming into compliance.

a complex organisation working the domain operator into line. in a small market, and that its Using the threat of termination, domain management unit lacks they managed to drag the CO.VU

this article is being prepared.

the vast resources available to

He argued that his company is

domains, for example, host vast numbers of distasteful websites.

Pacific island countries have

some featuring content too revolting to describe here. Most of this content is not illegal in

the country where the machines holding the material are located. But much of it is indisputably

offensive to the sensibilities of citizens of the states whose domains are being used to with the Government Chief access them. Information Officer and the TRR Vanuatu's performance

has improved, and compares For their part, TVL favourably with the worst offenders, many of which are representatives insist that they are improving, and that claim Pacific island domains, But is borne out by the evidence. technical and security experts Troubling domains still exist as have raised concerns repeatedly

CEO Rai Beeharry likened the progress has been consistently challenge to squashing bugspositive, some have told the no matter how many you get. Daily Post that there is still much there are always new ones to be done.

in the past, and although TVI's

Full disclosure:

Dan McGarry has provided both free

and paid advice to past

telecommunications

larger, more prosperous entities regulators concerning .VU who manage millions of domain domain governance.