



Virginia Information Technologies Agency

# Commonwealth of Virginia Cyber Security Trends

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Cyber Commission

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# CoVA IT Infrastructure

## Computers

59,374 PCs  
3,356 servers

## Mailboxes

58,948 accounts

## Data storage

1.5 petabytes

## Mainframes (2)

IBM  
Unisys

## Communications

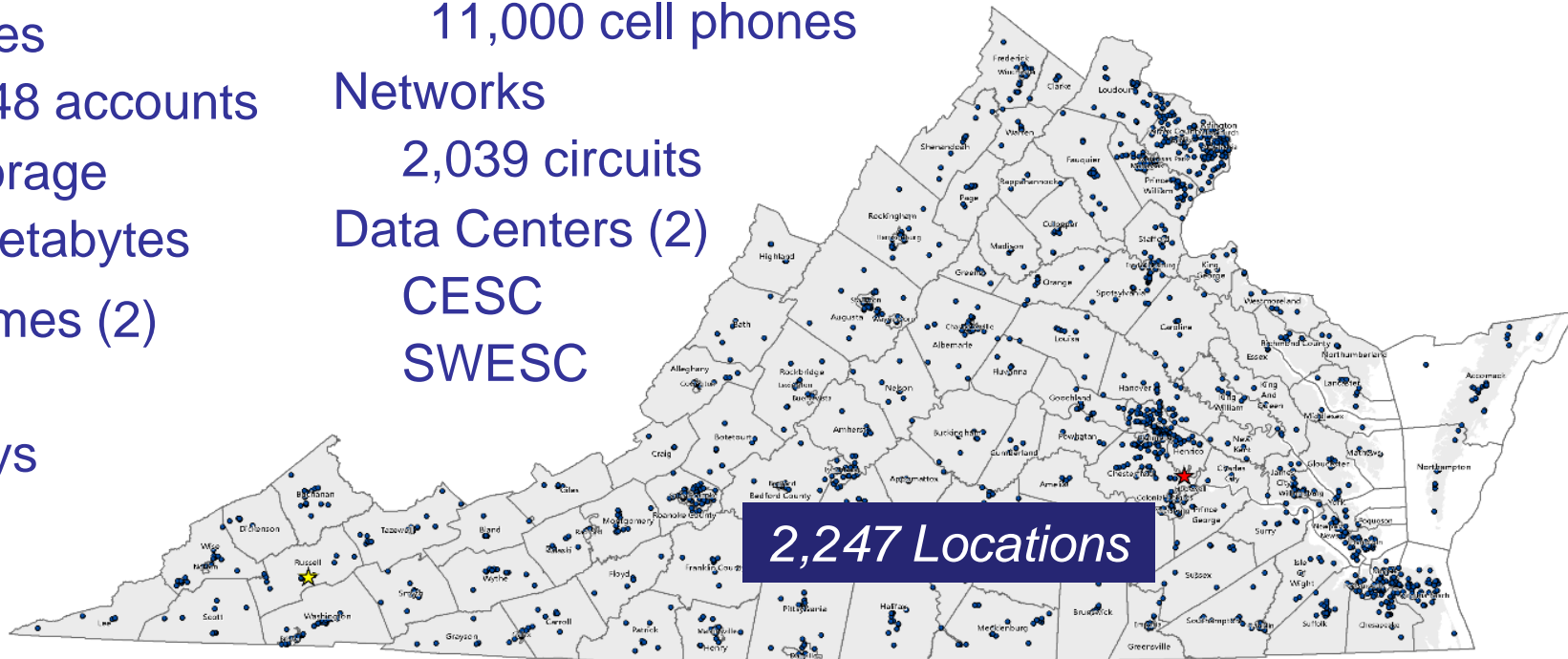
55,000 desk phones  
6,100 handhelds (PDAs)  
11,000 cell phones

## Networks

2,039 circuits  
Data Centers (2)  
CESC  
SWESC

## Printers

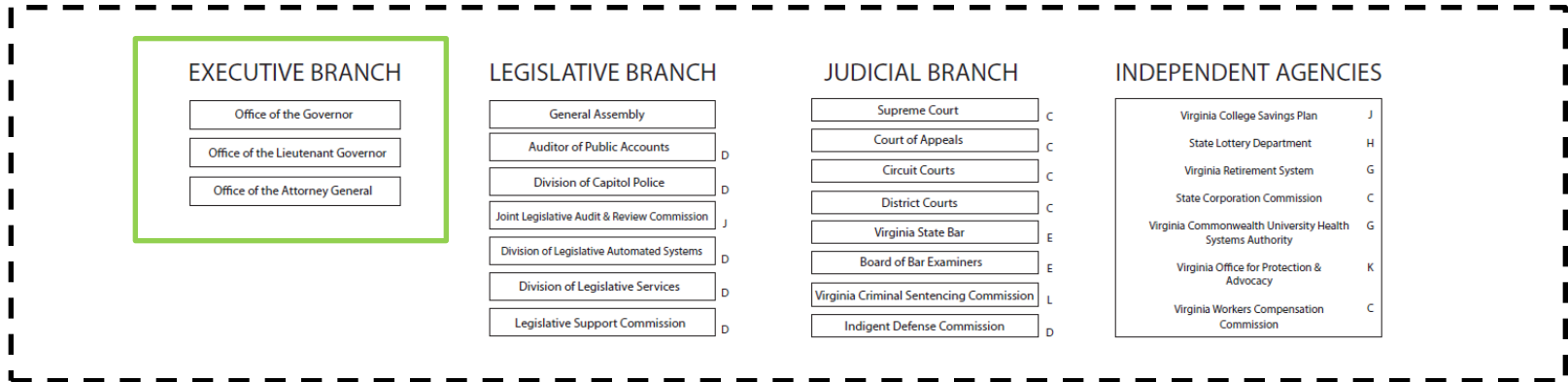
5,311 network  
22,000 desktop



2,247 Locations



# Information Security in the Commonwealth

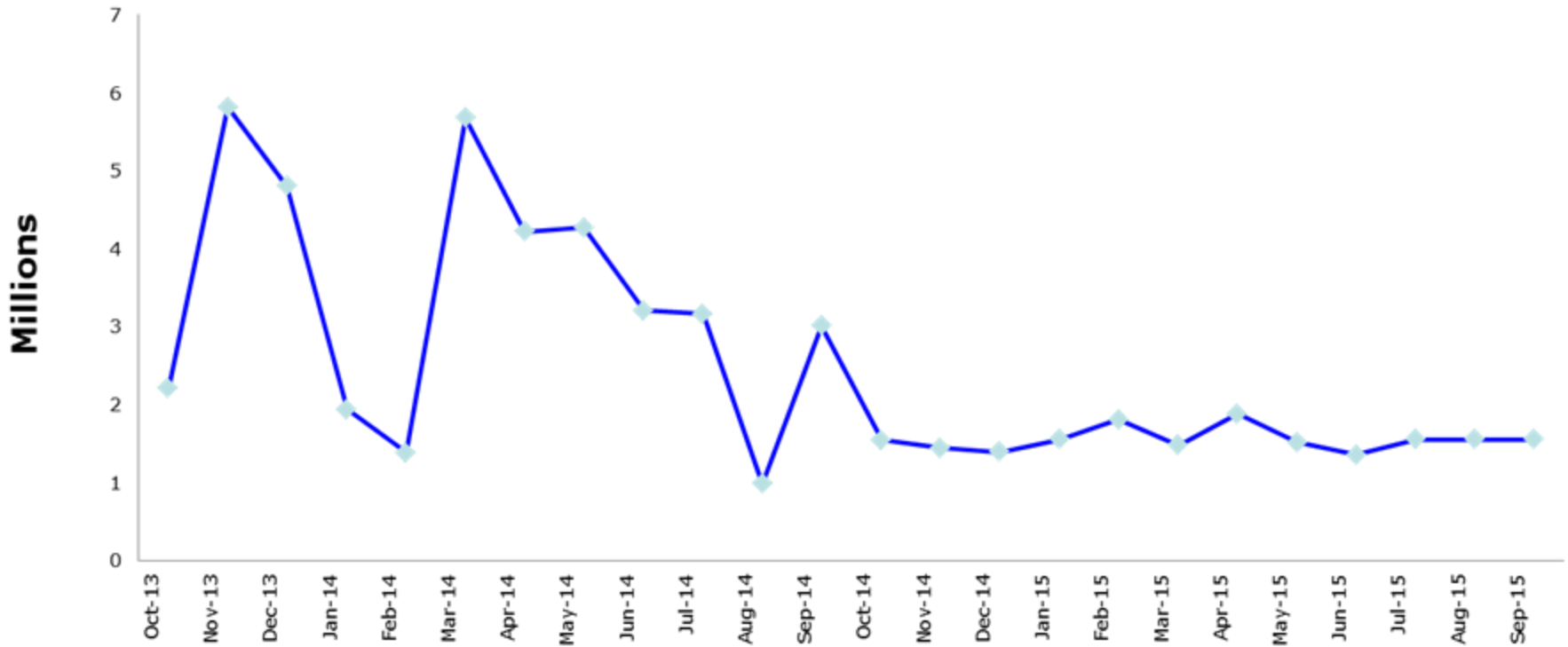


VITA is tasked with security governance of all three branches of Commonwealth Government.

VITA controls the infrastructure of the executive branch agencies. Agencies remain responsible for application management.

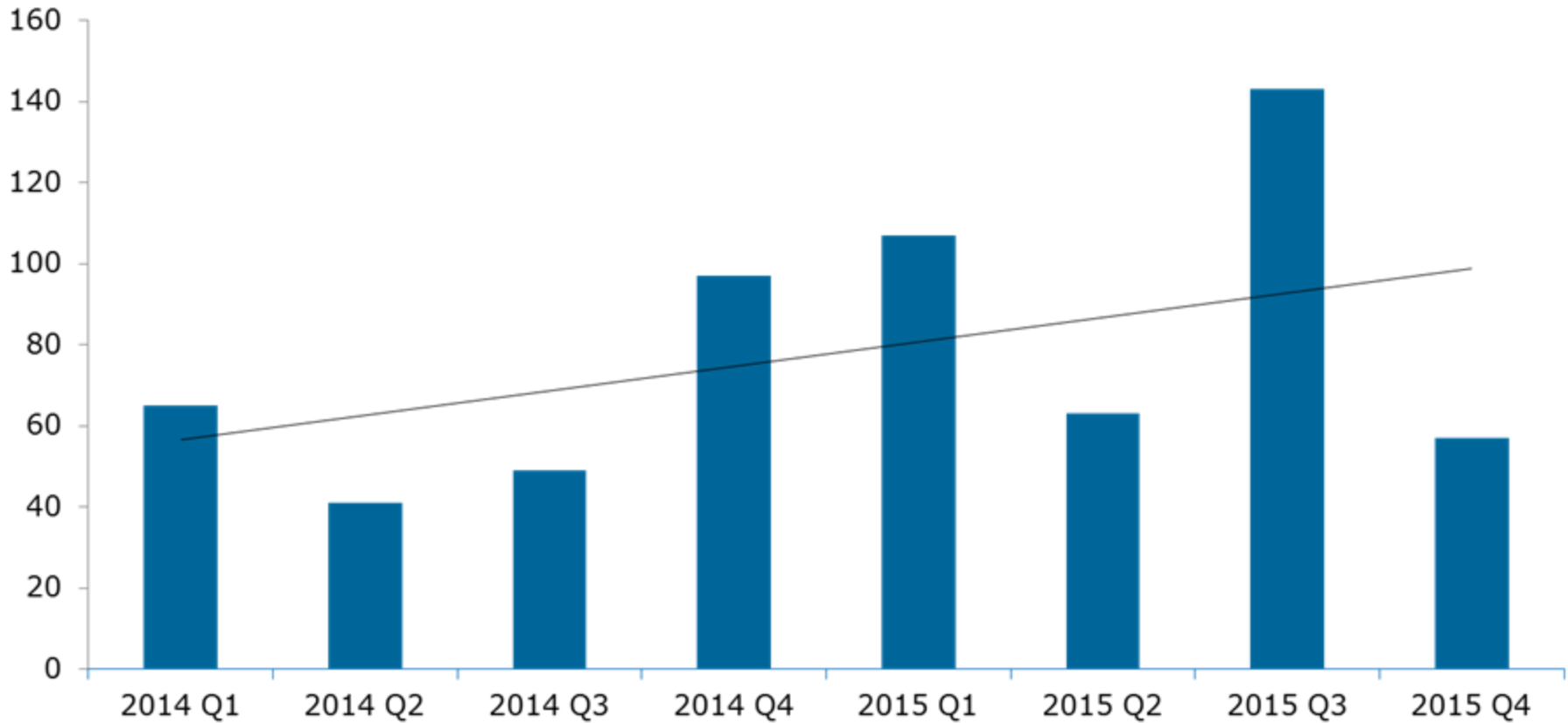


# 69,170,205 Attack Attempts





# COV Security Incident Trend





# Ransomware



All your important files are encrypted.

At the moment, the cost of private key for decrypting your files is 2.5 BTC  $\approx$  550 USD.  
Your Bitcoin address for payment: [1213P9wP2989xwA752yK21A99Kc8y8u8H](#)

\$ PURCHASE PRIVATE KEY  
WITH BITCOIN

You can also make a payment with PayPal My Cash Card

In case of payment with PayPal My Cash Card your total payment is 1000 USD ( 2 PayPal My Cash Cards )

# Phishing



(Photo: <http://photos.pnewswire.com/prnh/20130806/MN58349>)

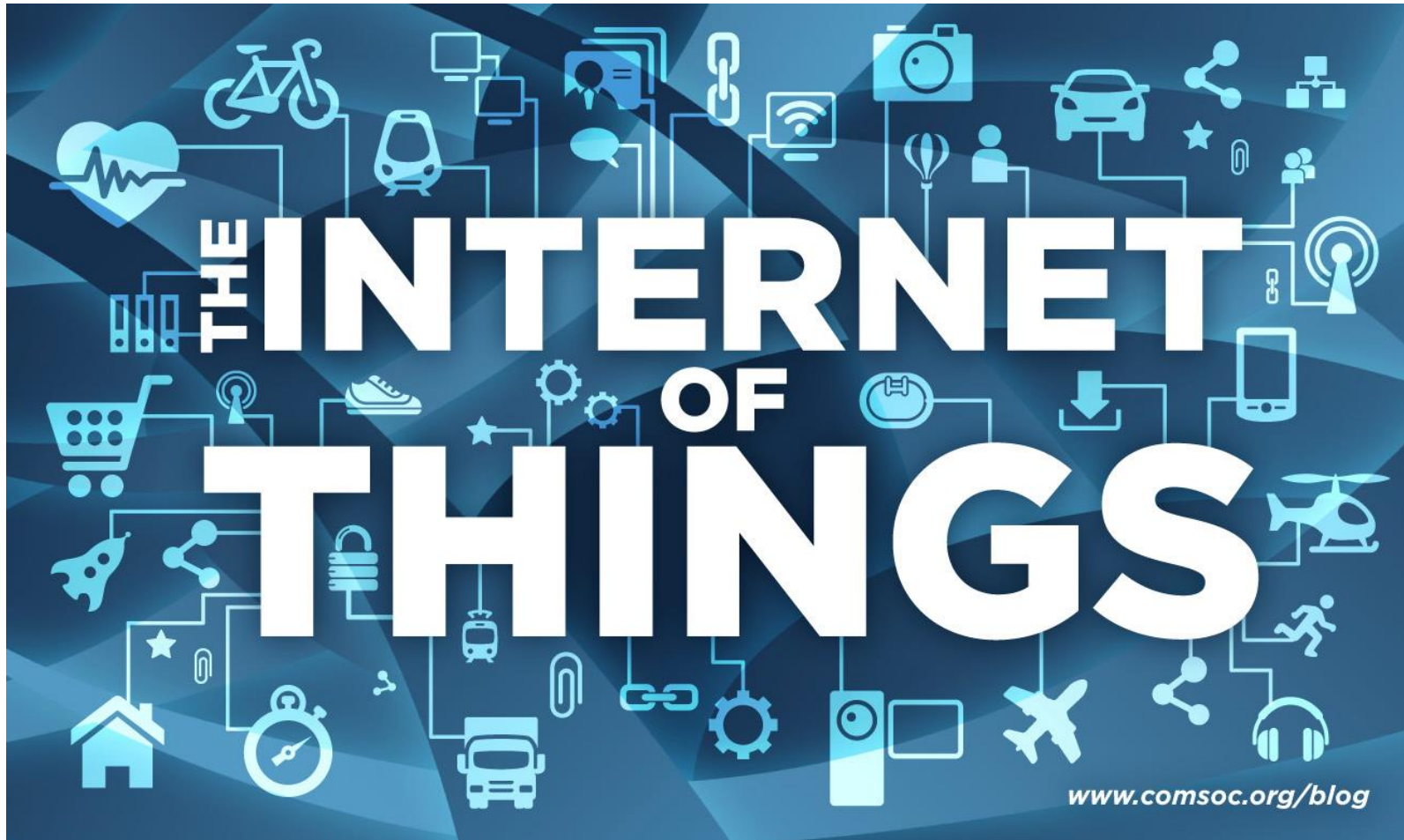


# Cloud Security





# IoT





# Information Sharing





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# Questions?

