



## The Failure of IT Security in Vietnam

*And How an IT Compliance Program Can Help Companies Fix Their Problems*

# VIETNAM & THE INTERNET

Total population: 93.4 million

Internet users: 41 million

44% of the population online

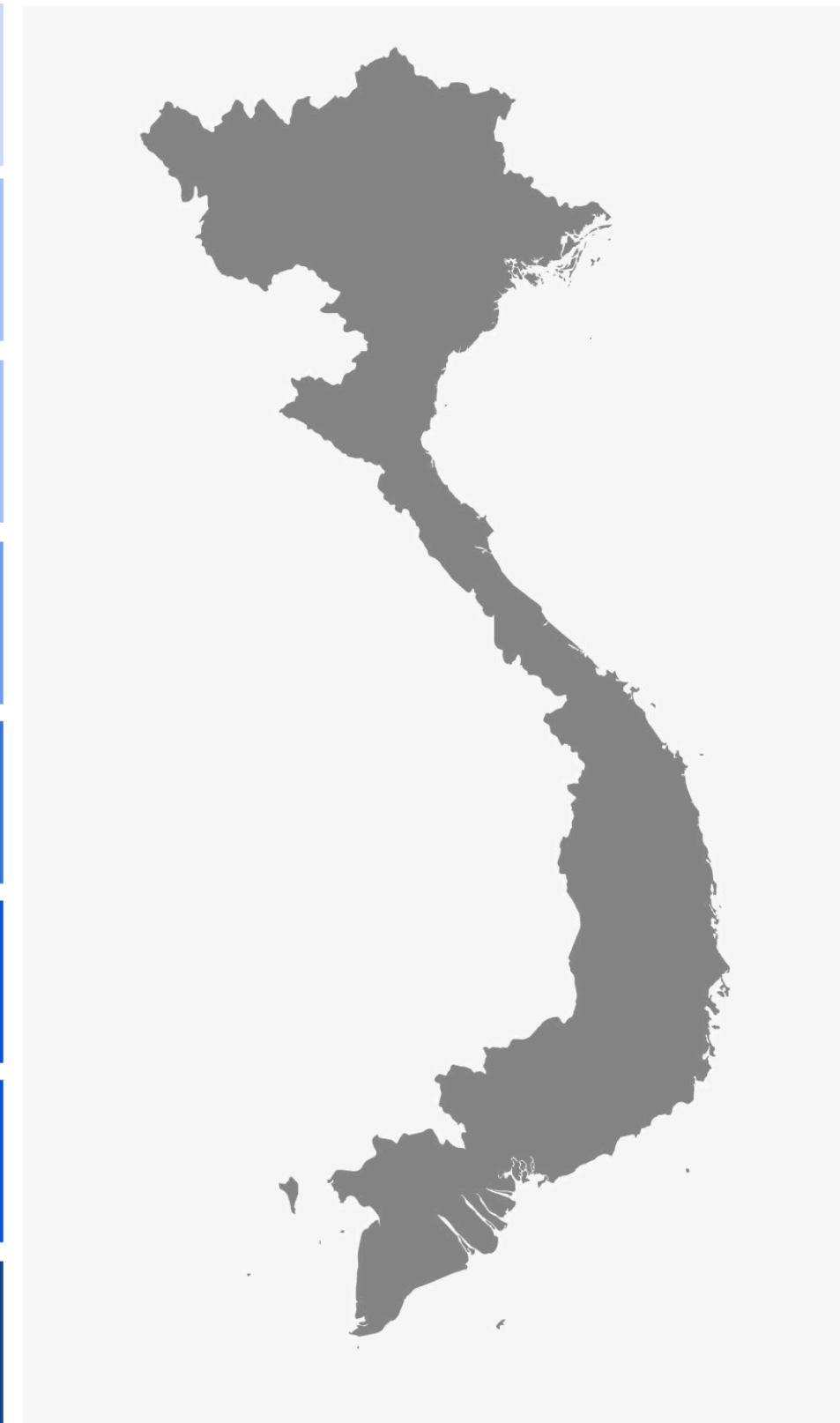
#18 in the world for number of internet users

#124 in the world for % of population online

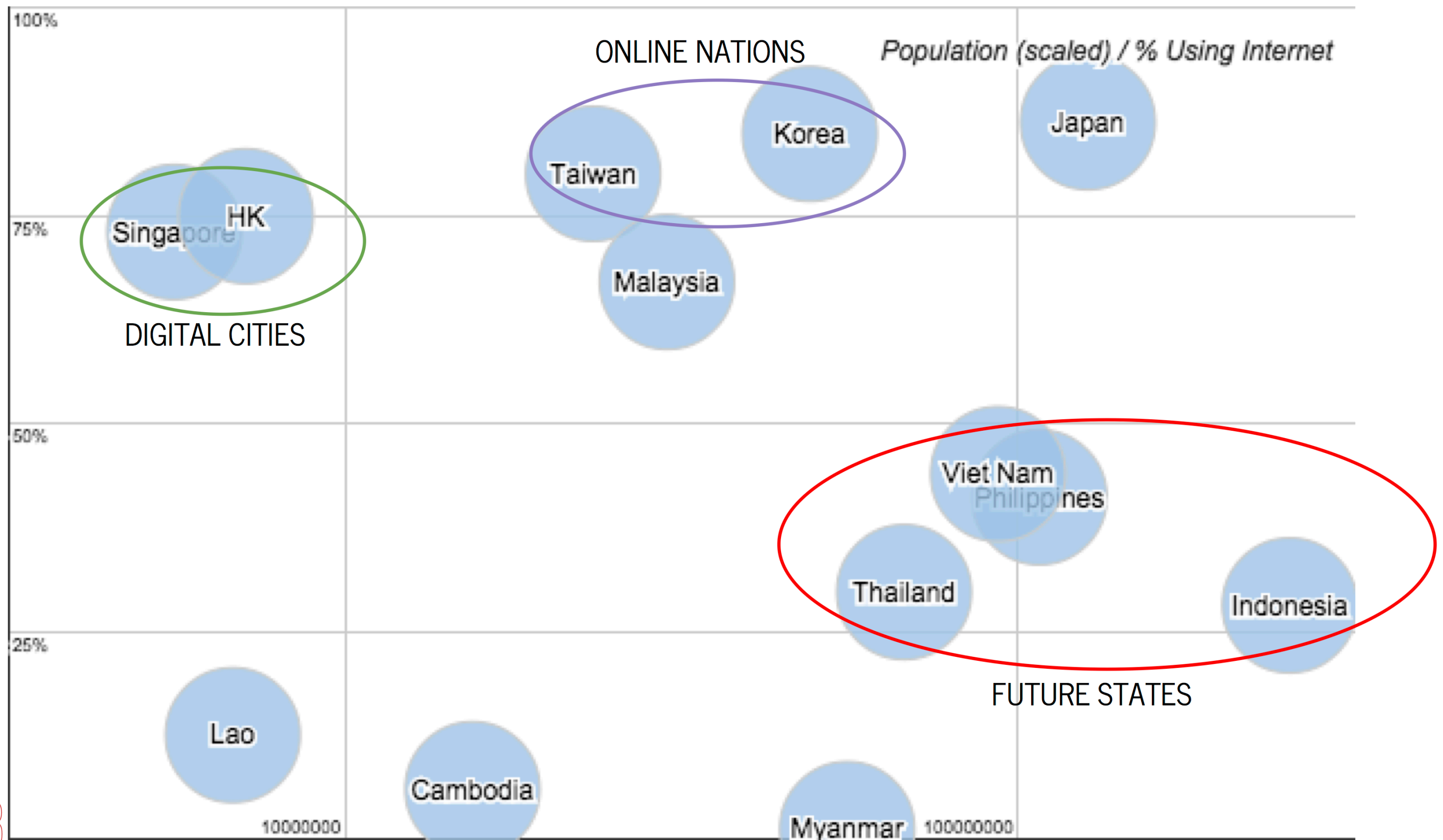
#7 in selected Asia countries for % of population online

#5 in selected Asian countries for number of internet users

#121 in UN Human Development Index, a Medium Human Development country



stats source: Internet World Stats 10.2014  
VN image from Free Vector Maps



# VIETNAM & INTERNET SECURITY & THE OTHER FUTURE STATES

#13 in the world for spam servers  
(projecthoneypot.org)

#6 for email harvesting dictionary attacks  
(projecthoneypot.org)

#3 source of spam in the world (spamrankings.  
net) VNPT #2 network in world

#3 source of zombified botnet computers  
(botnet-tracker.blogspot.com)

#8 in the world for Gameover Zues infections  
(shadowserver.org) VNPT #5 network in world

#1 in the world for unpatched Stuxnet  
vulnerability (kaspersky labs)

#1 in the world for active XP PCs (kaspersky  
labs)

#18 source of DDOS attacks (akamai) #8 in last  
24 hours 15/10/2014

THAILAND (20 MILLION  
ONLINE) IS  
SIGNIFICANTLY LOWER IN  
ALL LISTS

THE PHILIPPINES (44  
MILLION ONLINE) HARDLY  
SHOWS UP IN THE SAME  
RANKINGS

INDONESIA (70 MILLION  
ONLINE) HAS PROBLEMS,  
BUT NOTHING LIKE IN  
VIETNAM

# WHY VIETNAM? WHAT ARE THE ROOT CAUSES?

NO ONE, INCLUDING IT  
DEPARTMENTS, KNOW  
WHAT IS GOING ON WITH  
THEIR PCs & NETWORKS

SYSTEMS ARE NOT  
CONFIGURED  
CORRECTLY

NO ONE BOTHERS TO  
UPDATE OLD &  
UNLICENSED SOFTWARE

LACK OF  
STANDARDS  
FOR IT STAFF  
MEANS A  
FAILURE IN  
SYSTEMS  
ADMINISTRATION

# HOW ARE VIETNAMESE BUSINESSES AFFECTED?

LOWER STAFF  
PRODUCTIVITY WITH  
TIME LOST DUE TO  
SLOW OR FAILED  
COMPUTERS &  
APPLICATIONS

IT DEPARTMENTS HAVE  
TROUBLE SHOWING  
VALUE TO THE  
BUSINESS

IT INVESTMENTS  
WASTED AS SYSTEMS  
DO NOT PERFORM  
WELL

COMPROMISED  
COMPUTERS MEAN  
THAT **NO DATA IS  
SECURE**

# HOW DO BUSINESSES START TO FIX THE PROBLEM?

1

Understand and document the information that you need to manage & secure and which business stakeholder owns it

2

Organize your IT team into roles & responsibilities

3

Use policies to define the right technical and administrative controls for your data

4

Develop a management plan to tie every policy requirement to a role

5

Define compliance measurements for both technology and the people responsible for it

6

Train IT staff to policy requirements

7

Work with HR to tie compliance accountability to staff performance

8

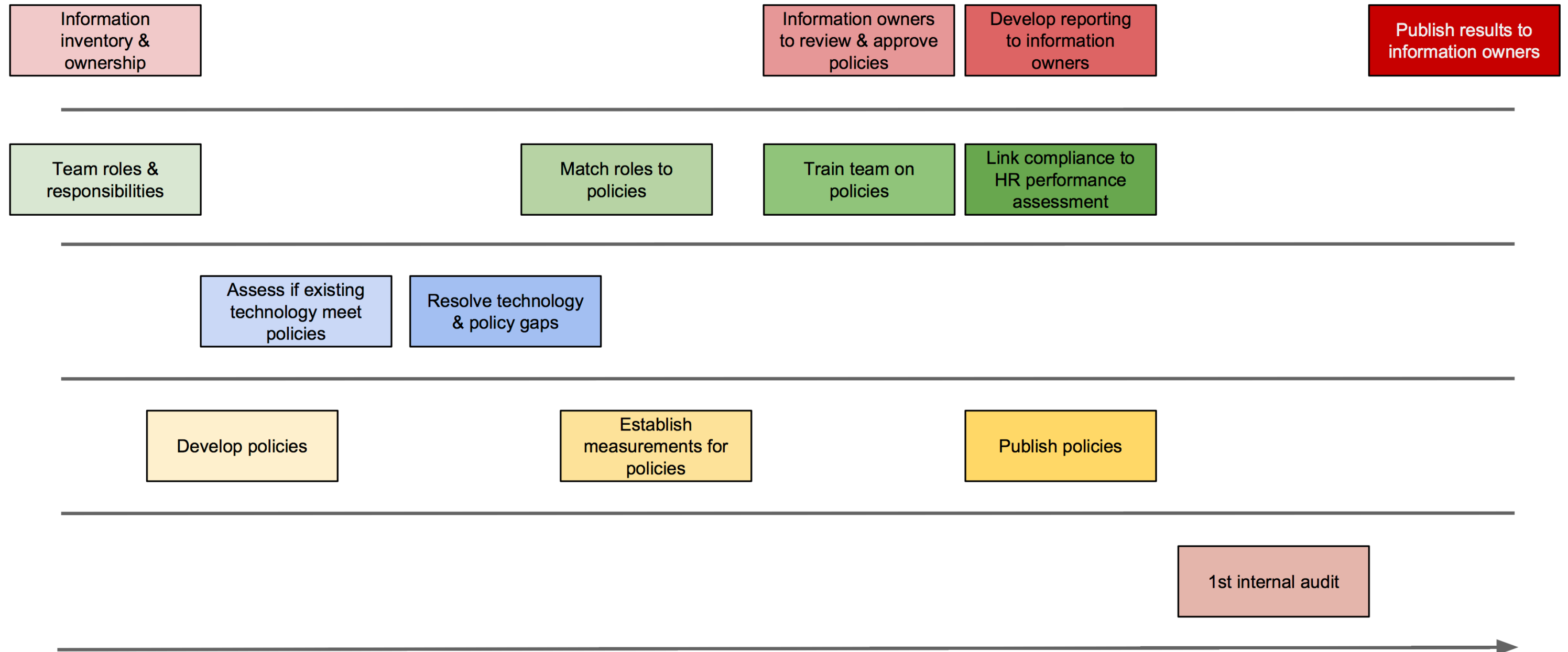
Audit quarterly until results consistently demonstrate compliance

FIXING THIS IS  
MORE ABOUT  
MANAGEMENT,  
NOT JUST  
TECHNOLOGY

THROWING MORE  
PEOPLE AT THE  
PROBLEM WON'T  
FIX IT



# PLANNING AN IT COMPLIANCE PROGRAM





# mf8 international

THANK YOU

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