



**HPE ART - Protect your Business now**  
September 22, 2016

# Brought to you by Vivit's Security and Privacy SIG Leaders



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# Hosted By



**Rocky Pisto**

Chicago, Indiana, Kentucky, Pittsburgh,  
Ohio, and Michigan Chapter Leader  
BSM SIG Leader



# Today's Speaker



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Portugal Chapter Leader



# Housekeeping

- This “LIVE” session is being recorded  
Recordings are available to all Vivit members
- Session Q&A:  
Please type questions in the Questions Pane



# Webinar Control Panel

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Questions



# Overview & introduction

- Corporate Governance & King II driven
- Snr Leadership accountability & penalties
- Dynamic IT systems changes
- Huge investment costs toward risk management – how tested are these plans?
- Are we going through the motions?
- Where do we start?
- Internal audit requirements for documented & tested recovery plans



# Types of business risk



## Technological risk

- IT failures: servers and monitoring, databases, applications, infrastructure and networks
- Cybercrime: in-house sabotage; efforts to steal, corrupt or destroy data; denial of service (DoS); malware
- Regulatory compliance cost



## Physical risk

- Utilities: HVAC failures, power outages, telecommunication failures
- Performance guarantees to your clients and related fees
- Loss of business and customer retention, specific customer and vendor liability, consumer credit monitoring



## Human risk

- Human error and accident: data corruption, file deletion, database record loss
- Organized criminal activity
- Physical break-ins: theft, destruction, vandalism, terrorist attacks
- Local and regional disruption: strikes, legal actions, shutdown orders



## Environmental risk

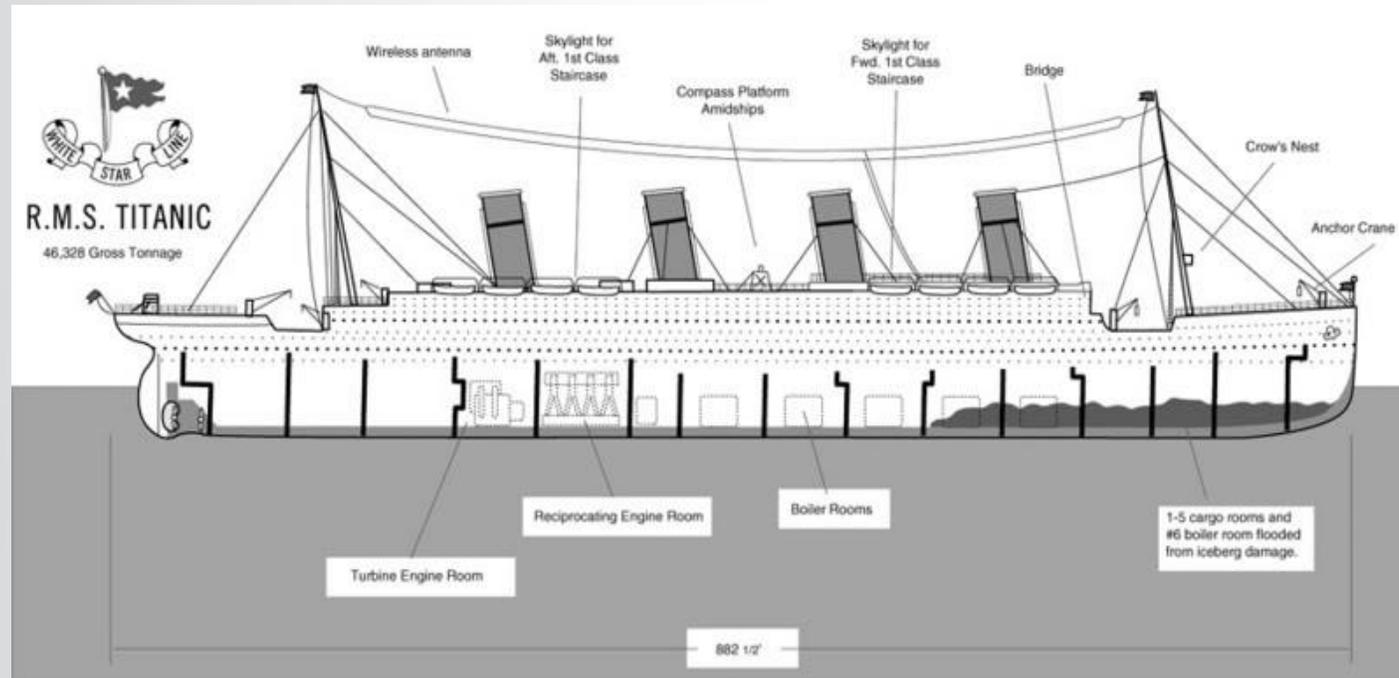
- Environmental disasters: fire, flood, earthquake, hurricane and tornado

# Risk Management in April 1912



## Titanic Example

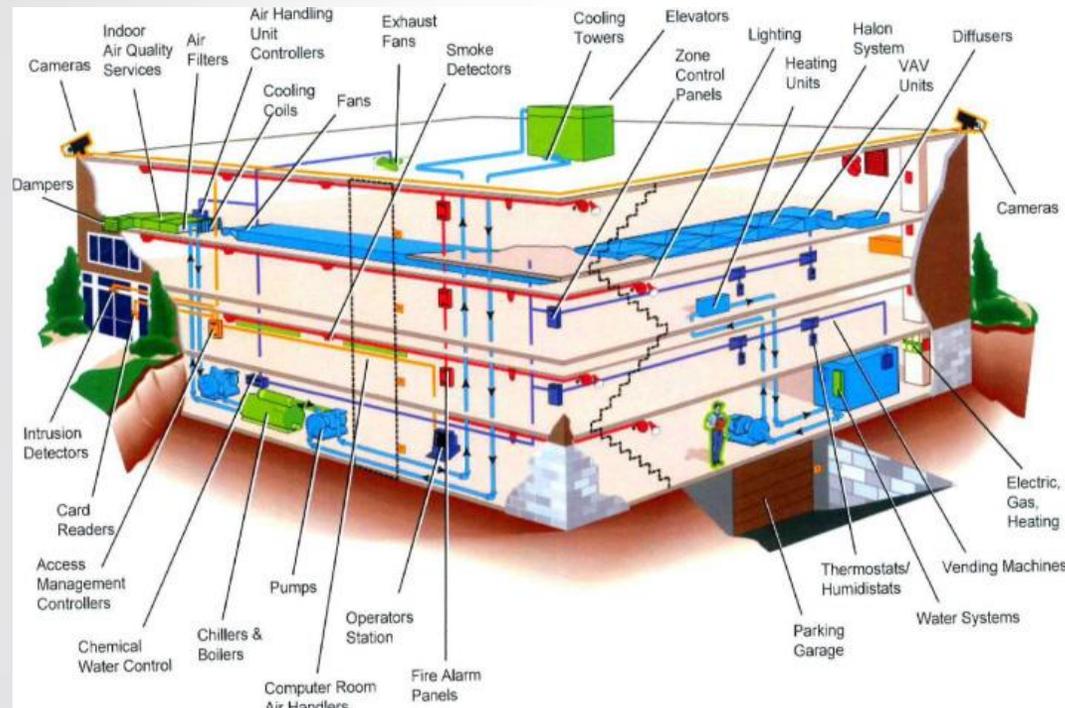
- Why RMS Titanic Sank?
- Did they manage the Risk correctly?
- What can we learn?
- What should we do in our days?



# Why Network Segmentation is Imperative on the Internet of Things?

## Some numbers to help us:

- Today there are 10 billion connected devices but that number is expected to grow exponentially – exceeding 50 billion sensors, objects, and other connected “things” by the year 2020. Did they manage the Risk correctly?
- The rapid digitization of consumers’ lives and enterprise records will increase the cost of data breaches to \$2.1 trillion globally by 2019, increasing to almost four times the estimated cost of breaches in 2015, according to research from Juniper.
- The majority of these breaches will come from existing IT and network infrastructure. While new threats targeting mobile devices and the IoT (Internet of Things) are being reported at an increasing rate, the number of infected devices is minimal in comparison to more traditional computing devices.
- Networks must be align with these needs.
- What should we do in our days?



# Risk Management Plan

## Whats wrong?

- People are not equal.
- The Suite could not be the same.
- CIO's Should adapt Risk Management Plan to your environment.
- Unfortunately, attackers don't discriminate. Their motives and persistence have increased along with their understanding of new technology and its applications



# Importance of a tested & accurate DR recovery process

## Risk management

- In the aftermath of 9/11 - [IT managers said they had to fight for money to implement disaster recovery plans and technology](#)
- After 9/11 numerous cases of fraud and rogue trading, was the concept that risk management had to incorporate as part of disaster recovery planning
  - "Chief risk officers who used to never ... look at the IT side of things. Now they have to incorporate as part of an enterprise risk management capability," said Rodney Nelsestuen, a senior research director at industry consultancy Tower Group
  - Cantor Fitzgerald LP, a bond-trading firm located in the World Trade Center, lost 658 employees and its primary data center on 9/11. It was the worse-case scenario of what could happen.
  - Firms such as Merrill Lynch, whose headquarters was located right next to ground zero and lost its primary data center for six weeks, [performed a gap analysis to determine what was missing and what might be needed respond to another disaster.](#)



# Business impact if plans are not in place

- Cantor Fitzgerald lost **\$135 million** in loss of property and interruption of business
- Today companies are asking for BIA (Business Impact Analysis)
- Business and IT must be aligned

## What is the cost of doing nothing?

- Doing nothing seems surprisingly inexpensive at first glance. There is no equipment or software to purchase, no annoying project plan to set up, and no overtaxed personnel to re-allocate.
- Who could argue with a strategy that has a cost of zero? Regardless of currency fluctuations or foreign exchange rates, zero is a very manageable number!
- Unfortunately, doing nothing only works until the moment something happens. Just like it's efficient not to carry an umbrella – right up until the day it rains. In the IT field, something is definitely going to happen. The only question is, “When?”
- Once something happens, doing nothing starts to look more costly.



# Improve & streamline DR process

## The Challenge

- Single knowledge base – disburse through various team members to recover
- Recording of recovery processes with missing steps – static vs dynamic
- High external consultants costs to document processes – team knows best
- Keeping recovery processes current through changed IT systems
- Cost of not having a plan or cost of having incorrect or wrong recover processes in place

## The Solution

ART drives value realisation, improves adoption and reduces risk through the provision of documentation, training and performance support to the user community

- Single source creation – multiple output
- Accurate recording of recovery processes
- Output to various formats
- Ease of dynamic updating as systems change



Document  
Processes



Support  
Learning



Measure/  
Improve



### Introduction to ART

Launch Module



## ART

### Adoption Readiness Tool

**Description**  
Introduction to ART

**Date Published** Sunday, May 03, 2015

If you are experiencing difficulties viewing this course, please open the **Adobe Flash Player Global Security Settings Panel** and select the **Always allow** option.

# Save costs through effective plans

1

Reduce consultancy costs

2

Increase self sufficiency

3

Reduce single point of knowledge

4

Mitigate risk to the business



# How DataSmart uses HPE technology to provide solutions

Datasmart is using HPE ART to help Costumers retaining their Knowledge of Procedures, Operations and Disaster Recovery Plans.

## How?

- Using HPE ART to Record once and deploy in different outputs
  - Exercise/Data Sheet
  - Quick Reference
  - Simulation (Test me; Show me; Quiz me; Try me)

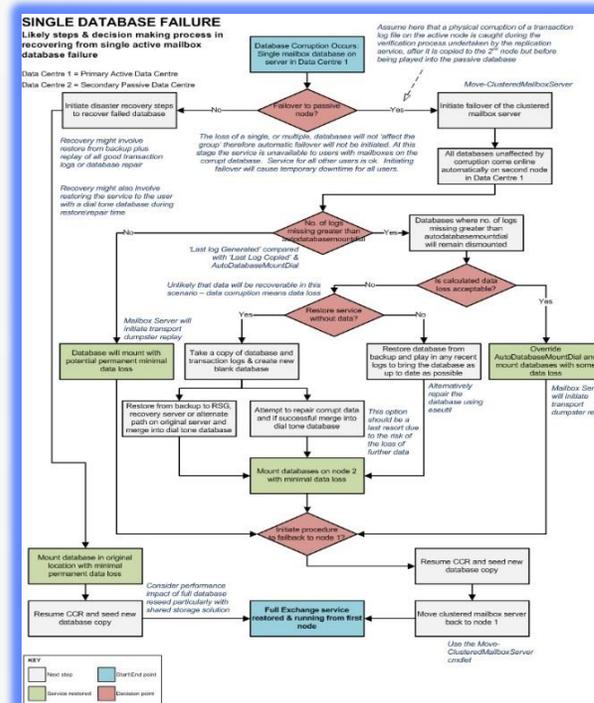
## Where?

- Record the entire process of:
  - Restore a Database at a glance
  - Restore your Virtual Machines (Vmware/HyperV)
  - Activate your secondary site (Datacenter)

## Added Value?

- Minimise Human Error
- Train with real procedures not Documents
- Maximise your RTO
- Reduce time to Produce and Change Procedures

### Example: Workflow Single Database Failure



# Adoption Readiness Tool (ART) DEMO

webinar\_001

Launch Test Me



**ART**  
Adoption Readiness Tool

**Description**  
webinar\_001

**Date Published** Wednesday, July 01, 2015

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# Questions & Answers



# What next?

Find out more about the HPE Adoption Readiness Tool (ART) at [www.hp.com/go/hpart](http://www.hp.com/go/hpart)

See what our customers are saying:

- Watch University of Pretoria [“I Love ART” video](#) (39s)
- [Read](#) how east European logistics leader Krafttrans uses HPE ART to establish robust process and deliver consistent results

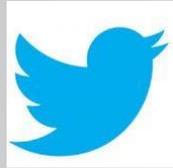
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# Upcoming Vivit Webinar

**September 27, 2016**

## **5 Ways Digital Learning Helps Build Amazing IT Organizations**

8:00 - 9:00 AM PDT (Los Angeles), 11:00 AM - 12:00 PM EDT (New York), 17:00 - 18:00 CEST (Frankfurt)



<http://www.vivit-worldwide.org/events/EventDetails.aspx?id=853857&group=>



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