

Boosting Cyber Resilience - Black Swans, Gray Rhinos and Coordinated Response

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Agenda

The Menagerie of Crisis

Preparing for Success

Evaluate and Continually Improve

Building a Cyber Resilient organization

90%

Of small businesses will fail in under a year in a disaster

26%

Of organizations have an enterprise-wide Incident Response Plan

\$11,600

Per minute cost of an IT Outage for a large enterprise

54%

Organizations report having downtime lasting over 8 hours in a single event



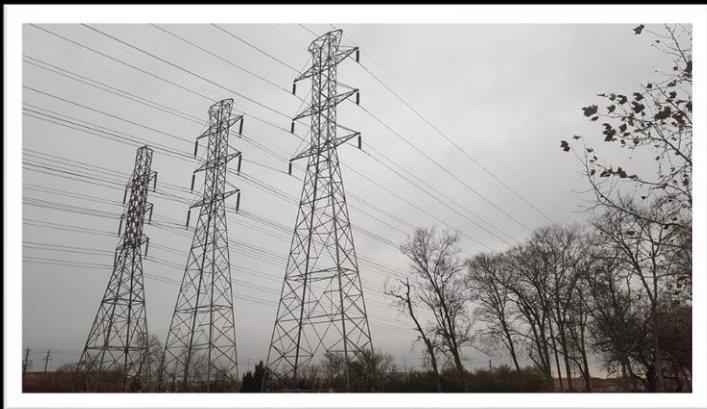


"By uncertain knowledge, let me explain... About these matters there is no scientific basis on which to form any calculable probability."

- John Maynard Keynes



Black Swans are the inspiration for movies, literature and crisis planning



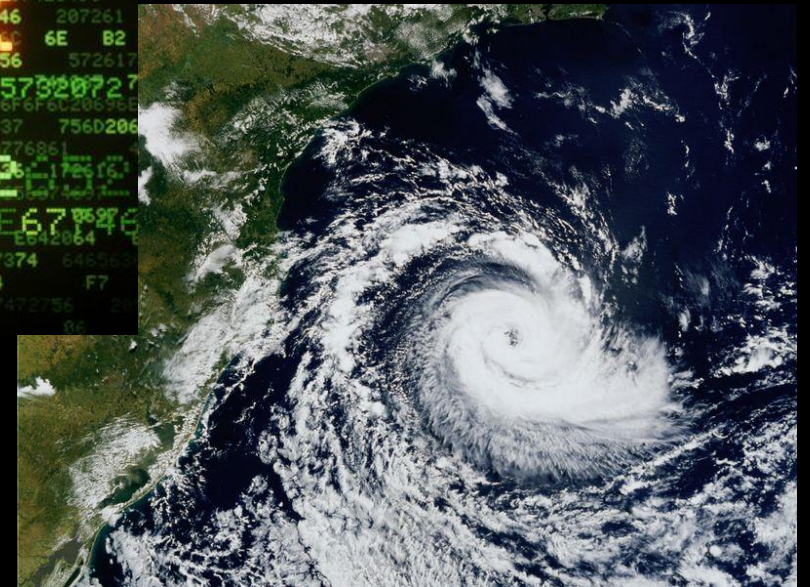
Spotting Gray Rhinos

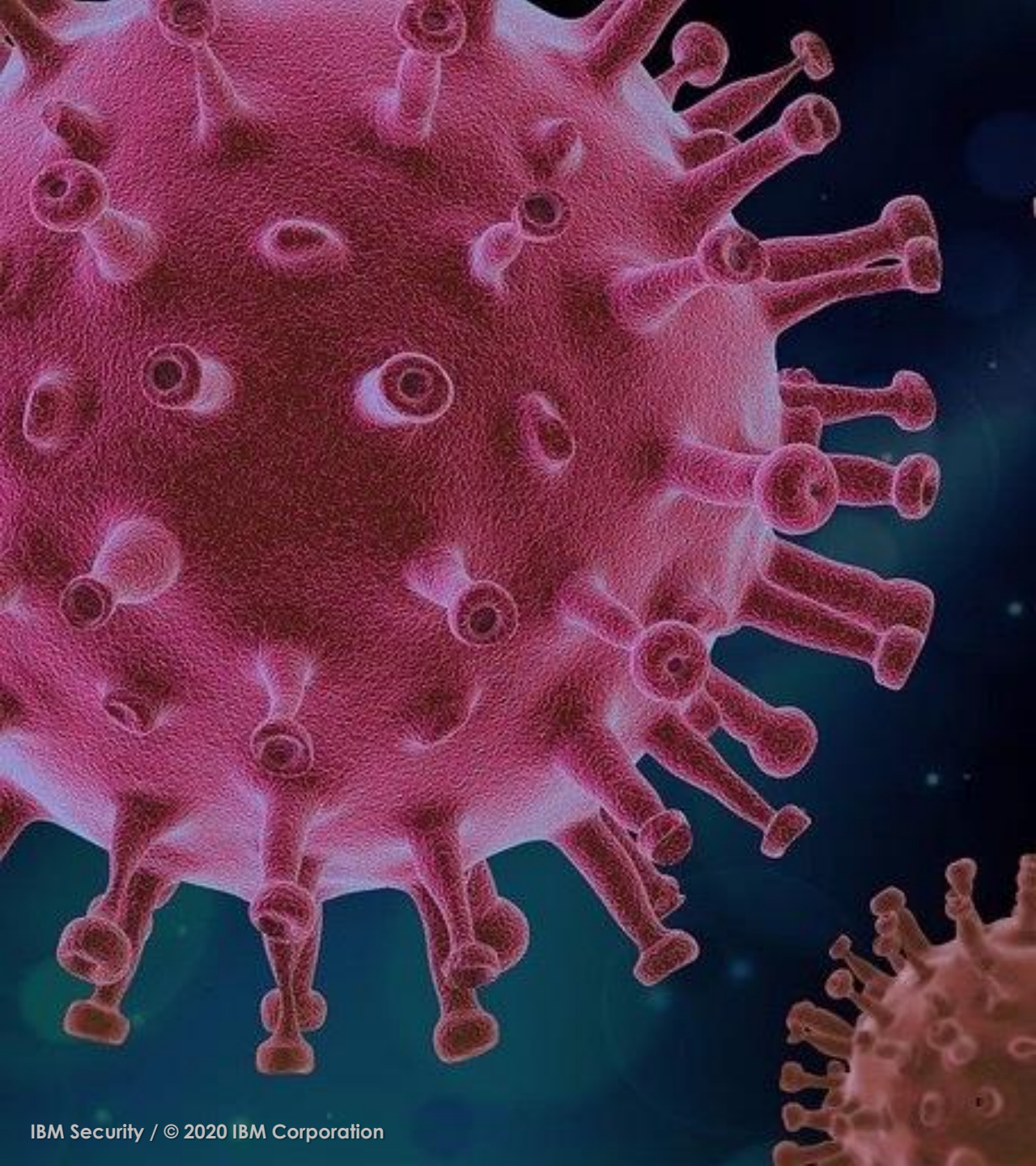
“In any moment of decision, the best thing you can do is the right thing, the next best is the wrong thing, and the worst thing you can do is nothing.”

- Theodore Roosevelt



Behind every Black Swan is a crash of Gray Rhinos





Is Covid-19 a Black Swan or a Gray Rhino?

Warning... Crisis is closer than
it appears



Image Source: [Pixabay](#)

Listen to the Cassandras in your organization



WARNING

Cassandras among us

- Technical Experts
- Data Driven
- Questioners

CAUTION

DANGER - DANGER

Preparing for success during crisis



Create your "Dream Team"

One team with
One goal

Plan and Automate

Reduce complexity and
increase integration

Prepare
Communications

Clear, concise, targeted
and timely

Test your plan and
Measure Success

Test multiple scenarios
using different methods

Measure and Report



Creating your own “Dream Team”

- ✓ Business Leaders
- ✓ Technical Leaders
- ✓ Cybersecurity
- ✓ Privacy
- ✓ Human Resources
- ✓ Marketing / Communications
- ✓ Legal
- ✓ Key Suppliers

Business Continuity + Incident Response + Privacy = Success!!

Plan your work and work your plan

Create an enterprise-wide plan for

- Business Continuity
- Disaster Recovery
- Incident Response

Consider regional or site level plans based on your organization

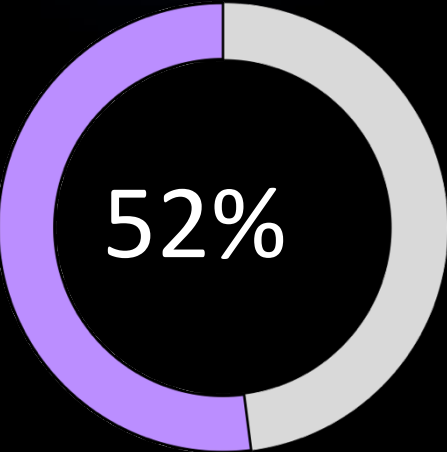
Tailor plans to address the unique characteristics of the organization

- Industry
- Geography
- Technology stack

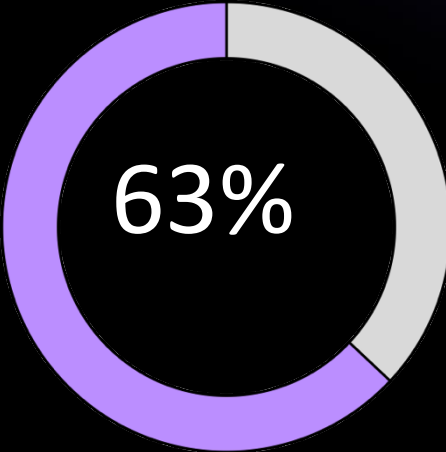
Develop Playbooks to cover specific crisis scenarios



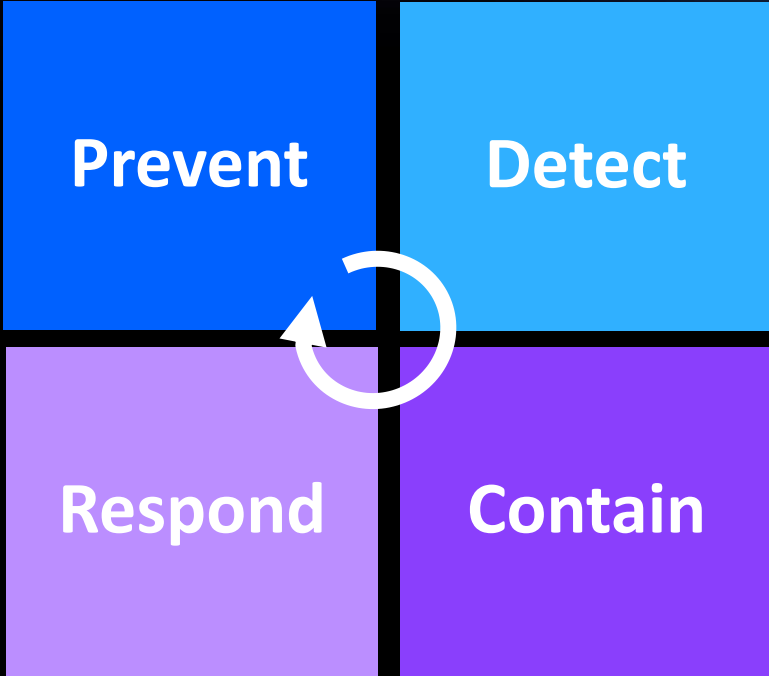
Automate to reduce complexity and increase resiliency



Ratio of respondents who say that Cloud services improved cyber resilience



Number of organizations that said automation, machine learning, AI and orchestration increases cyber resilience



Prepare communications in advance

- ✓ Authorized Spokesperson
- ✓ Concise Content
- ✓ Internal versus External
- ✓ Communications Channels
- ✓ Update Frequency





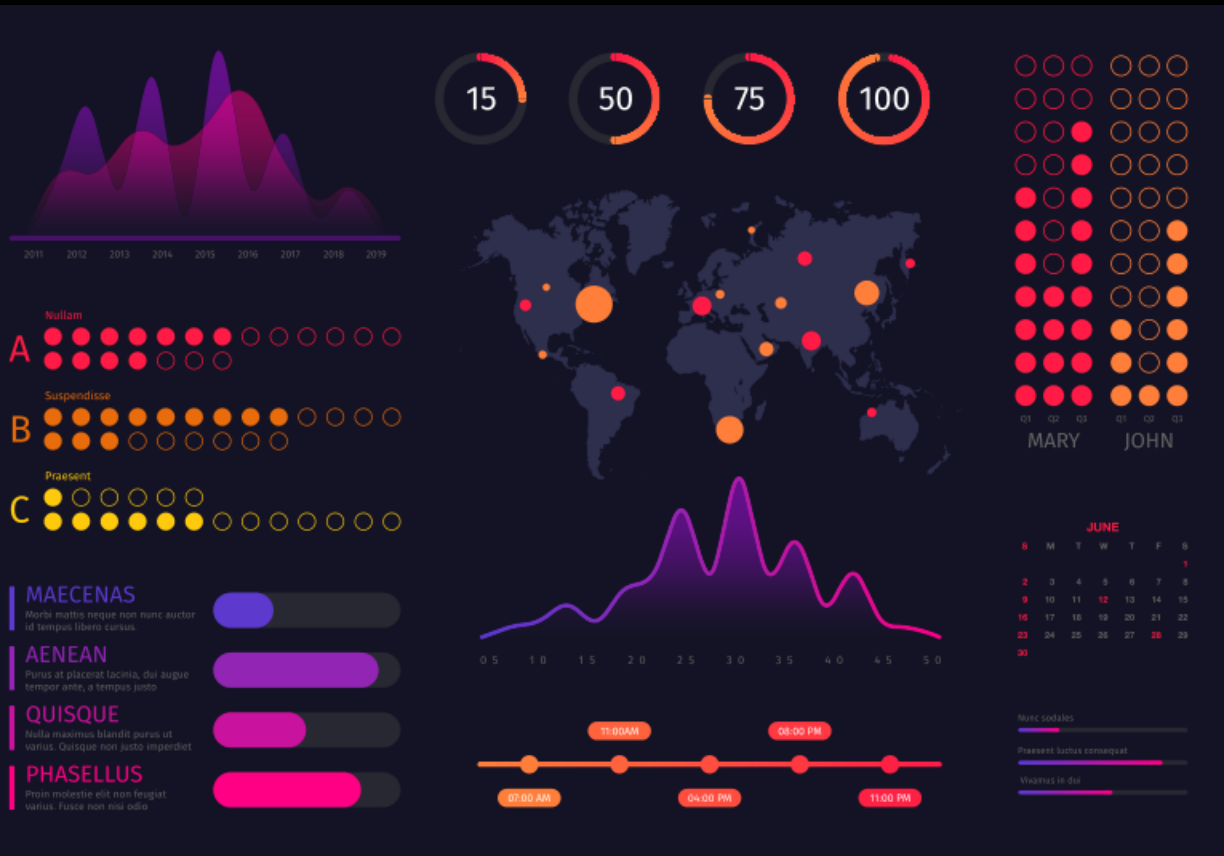
Test your plan like your business depends on it

Why Test?

Test your plan with a variety of methods

Use different scenarios to evaluate different aspects of your plan

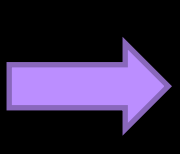
Measure and communicate the results to the organization



Why measure?

Program metrics

Testing metrics



Provide visibility of your Cyber Resiliency metrics to executive leadership and your Board of Directors

Summary



Plan for the obvious and not so obvious threats

- Black Swans
- Gray Rhinos
- Elephants

Listen to Cassandras

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Plan to be cyber resilient

- Business Continuity
- Disaster Recovery
- Incident Response

One Team with One Goal

Automate resiliency and response

- Increase use of cloud-based solutions
- Reduce complexity and number of tools

Test and measure regularly

- Test multiple scenarios using different methods
- Measure and report your outcomes for improvement

Ponemon 2020 Cyber Resilient
Organization Report – [LINK](#)

Ponemon 2020 Cost of a Data Breach
Report - [LINK](#)

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