Balbix®

ASSESSING
& REPORTING
ON
Enterprise
Breach Risk

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Assessing and reporting on enterprise breach risk is an important part of the CISO's role. This holds true whether you just joined the company and you're trying to develop a baseline, or if you're a company veteran getting ready for your quarterly board report or a budget review. What's also true is that, regardless of your tenure, accomplishing this job successfully is never easy.

SOME CHALLENGES YOU FACE:

It's typically difficult or impossible to quantify the impact of existing controls in reducing breach risk.

Dozens (or more) of point security tools, each of which issues a steady stream of alerts, means a deluge of information that's hard to grasp in its entirety.

Because there is no consistent way to compare something like an unpatched software vulnerability to a weak or stolen password, there is no way to objectively compare one issue to the next.
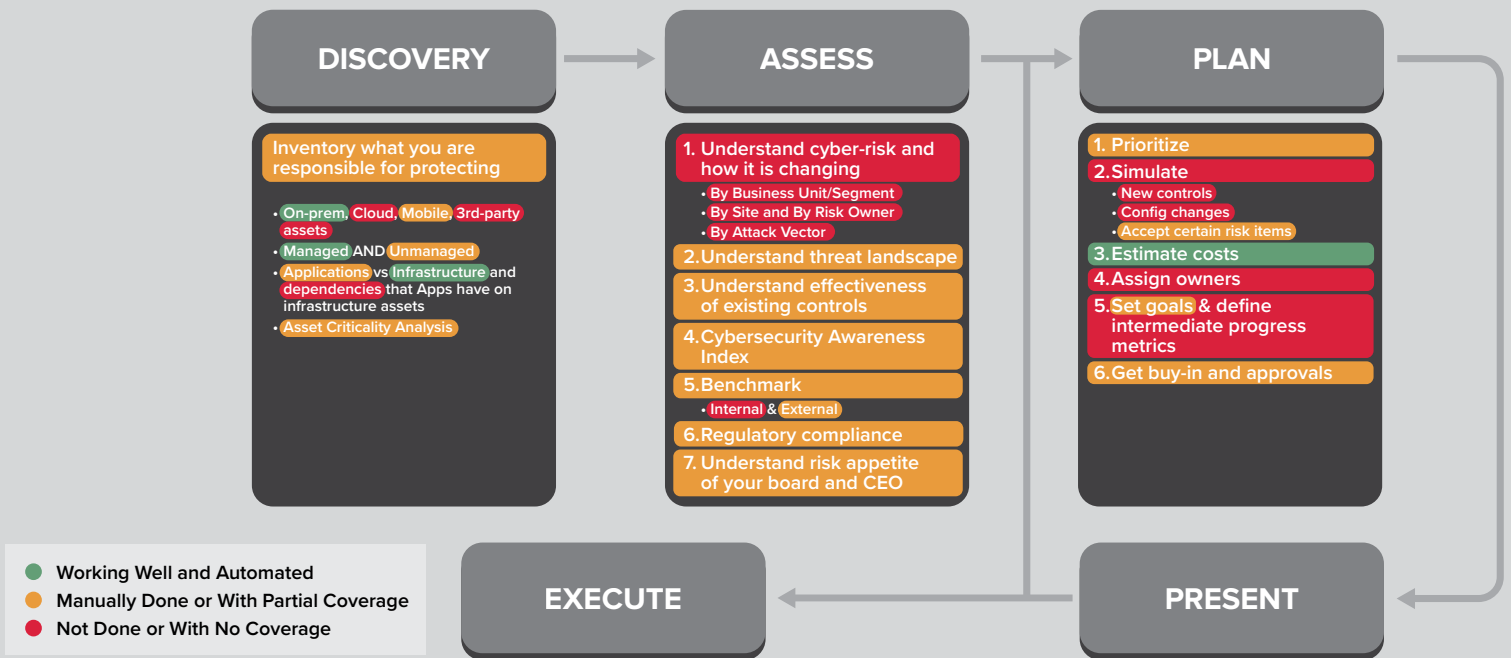
Outside of the security team, issues of alignment and communication abound.

Your team understands the technical details of cybersecurity, while the business speaks a totally different language, making it difficult to find common ground. There simply isn't a breach risk reporting framework that all stakeholders can understand and appreciate.

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Assessing and reporting enterprise breach risk

In spite of the challenges, you still need to find a way to assess and report on enterprise breach risk. Here's a typical 5 step process that CISOs follow in this effort:

ASSESSING BREACH RISK

DISCOVERY → **ASSESS** → **PLAN**

DISCOVERY

Inventory what you are responsible for protecting

- On-prem, Cloud, Mobile, 3rd-party assets
- Managed AND Unmanaged
- Applications vs Infrastructure and dependencies that Apps have on infrastructure assets
- Asset Criticality Analysis

ASSESS

1. Understand cyber-risk and how it is changing
   - By Business Unit/Segment
   - By Site and By Risk Owner
   - By Attack Vector
2. Understand threat landscape
3. Understand effectiveness of existing controls
4. Cybersecurity Awareness Index
5. Benchmark
   - Internal & External
6. Regulatory compliance
7. Understand risk appetite of your board and CEO

PLAN

1. Prioritize
2. Simulate
   - New controls
   - Config changes
   - Accept certain risk items
3. Estimate costs
4. Assign owners
5. Set goals & define intermediate progress metrics
6. Get buy-in and approvals

EXECUTE ← **PRESENT**

- ● Working Well and Automated
- ● Manually Done or With Partial Coverage
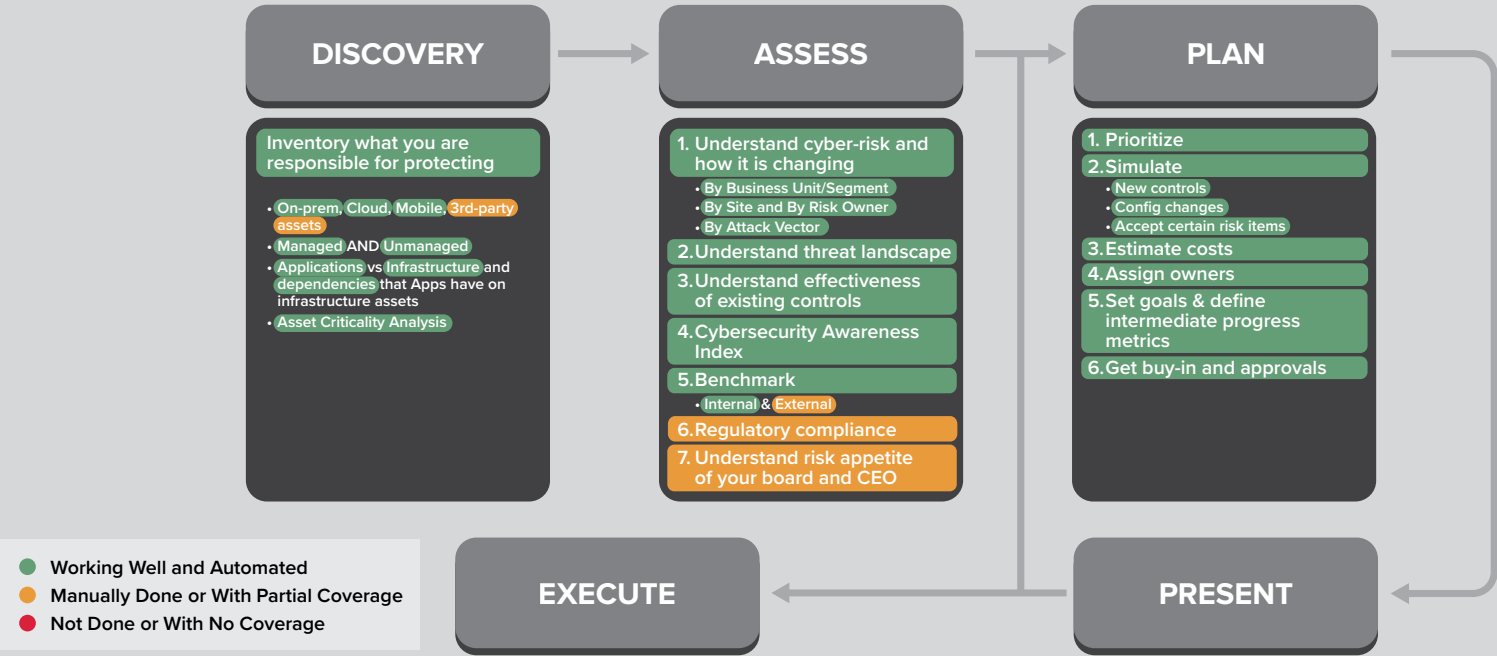- ● Not Done or With No Coverage

Unfortunately, for most of us, the majority of this job is difficult to accomplish. Some aspects aren't easily done at all, and others rely on time-consuming, manual efforts that still only result in partial coverage.

The Balbix platform was designed with breach risk assessment and reporting in mind so that you can accomplish this goal as quickly and easily as possible and ensuring that you actually have time to execute once the planning, reporting, and approvals have been completed.

Here's a look at the same job heatmap with the power of Balbix automation at work:

ASSESSING BREACH RISK HEATMAP WITH BALBIX

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The Balbix Platform

Balbix was built from the ground up to help the CISO and their team assess and report on breach risk to all relevant stakeholders. From initial gap analysis to ongoing review of progress, Balbix:

Shows effectiveness of existing controls, as well as coverage gaps

Reports on performance against internal and external benchmarks

Provides pro-forma ROI of proposed cybersecurity projects

Calculates risk in financial terms for business-level discussions with senior management

Maps cybersecurity controls to industry regulatory and compliance frameworks

Shows progress reports that highlight successes and allow the board to hold the CISO/CIO accountable for results
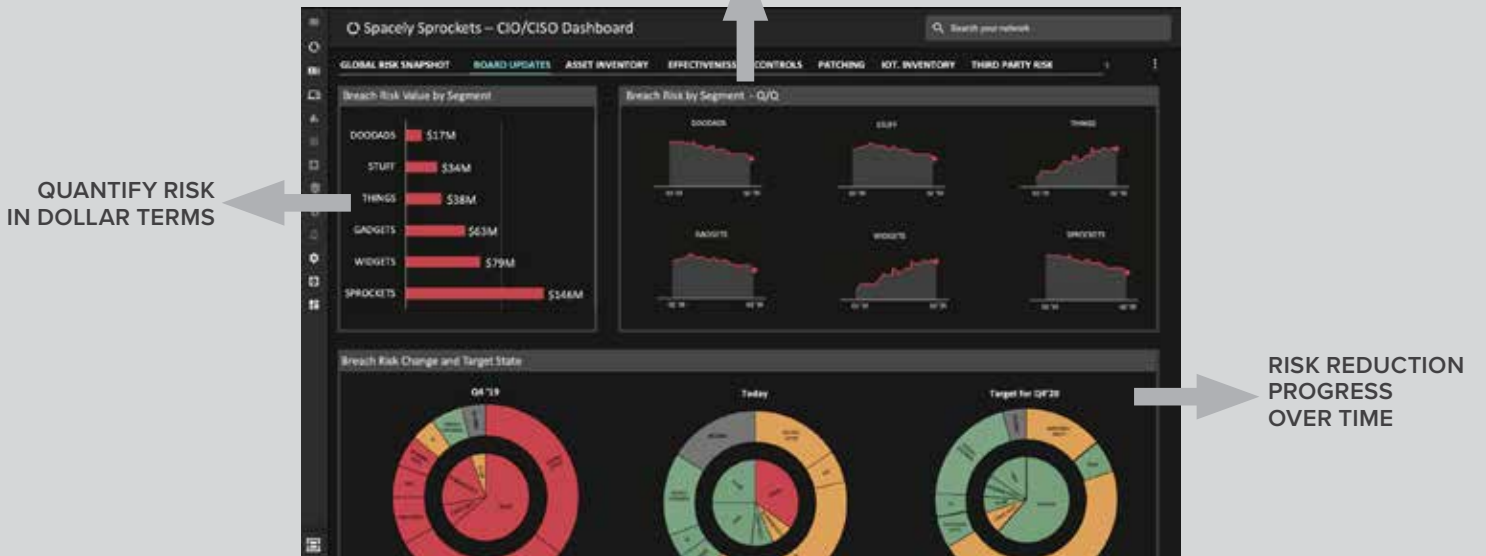
The Balbix platform provides out-of-the-box and customizable breach risk reporting built around your organizational structure and processes.

Balbix dashboards for CISOs and CIOs

BREACH RISK BY BUSINESS SEGMENT

AUTOMATIC INVENTORY & CATEGORIZATION OF ALL ASSETS

BREACH LIKELIHOOD BY ATTACK VECTOR

BREACH LIKELIHOOD BY GEOGRAPHIC LOCATION

BREACH RISK BY BUSINESS SEGMENT

QUANTIFY RISK IN DOLLAR TERMS

RISK REDUCTION PROGRESS OVER TIME

EFFECTIVENESS OF CURRENT CONTROLS

EXPECTED
IMPACT OF
PROPOSED
SECURITY
CONTROLS

See Balbix Live

**SCHEDULE
A 30 MINUTE
PRESENTATION**

ABOUT BALBIX

Balbix is the world's first cybersecurity platform to leverage specialized AI to provide real-time visibility into an organization's breach risk. The Balbix system predicts where and how breaches are likely to happen, prescribes prioritized mitigating actions, and enables workflows to address the underlying security issues. By using Balbix, CISOs and CIOs can transform their security posture, reducing cyber risk by 95% or more, while making security teams 10 times more efficient. Balbix counts many global 1000 companies among its rapidly growing customer base and was named a "Cool Vendor" by Gartner in 2018.

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