Metricon 2008

Metrics for Risk Management versus Metrics for Security Attribution

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Compare: Risk vs Security

Measures:

Compliance

Reflects:

Organizational

Structure

Favors:

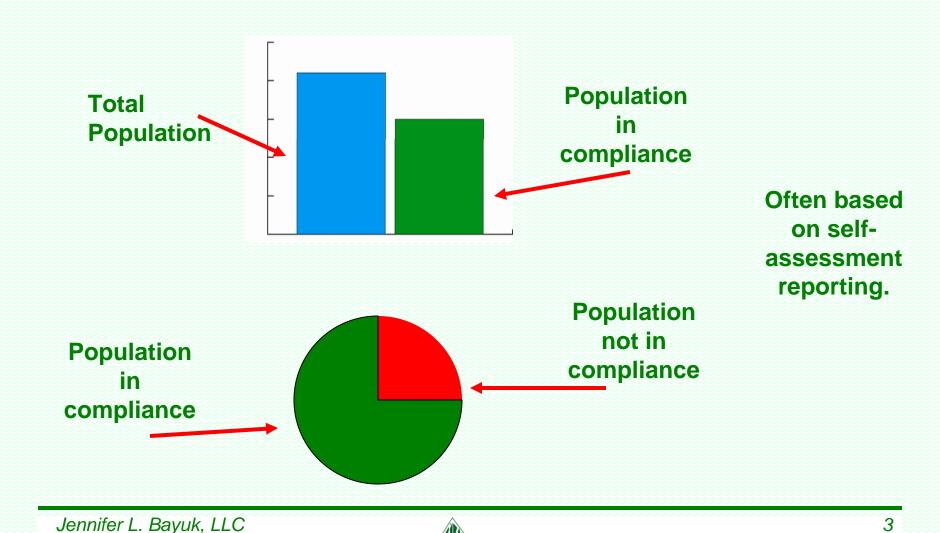
Automation

Demonstrates:

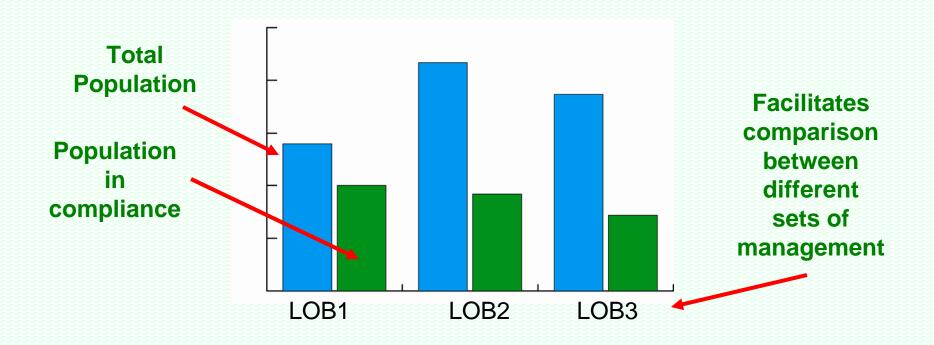
Trends



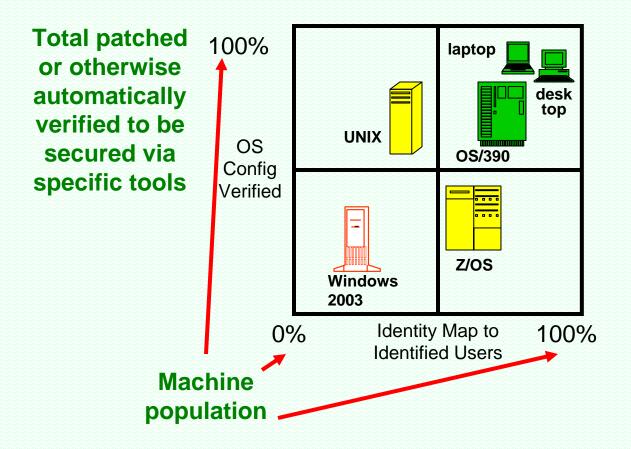
Compare: Compliance



Compare: Organization



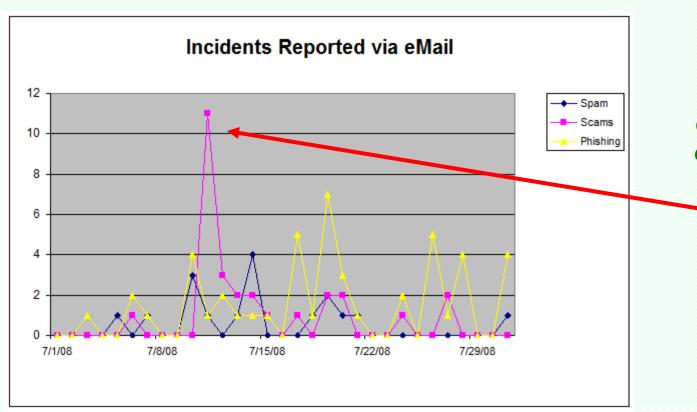
Compare: Automation



Facilitates
comparison
between
different types
of technology,
often used for
audit
remediation.

Compare: Trends

Often used to depict activity beyond control of management



Facilitates demonstration of staff activity requirements

Note: blank lines indicate no incidents were reported, mostly weekends.

Contrast: Risk vs Security

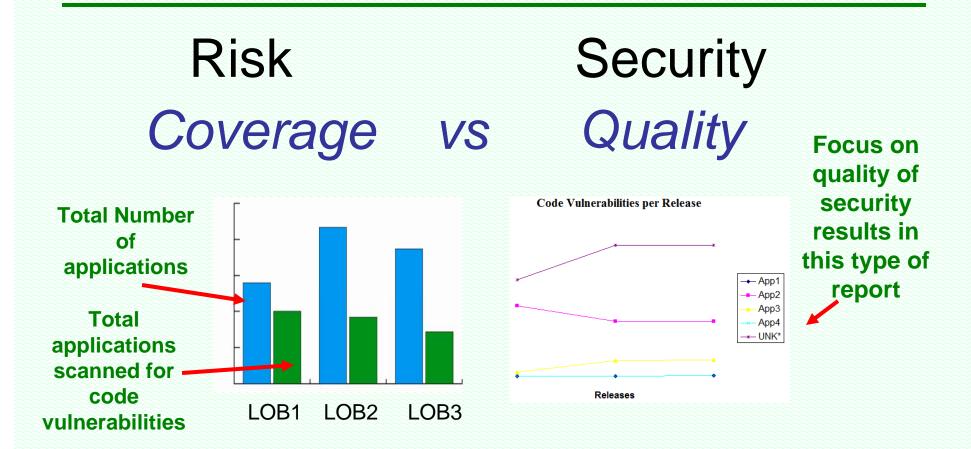
Focus is: Coverage Quality

Based On: Policy Process

Relies On: Explanations Accountability

Reflects: Assessment Implementation

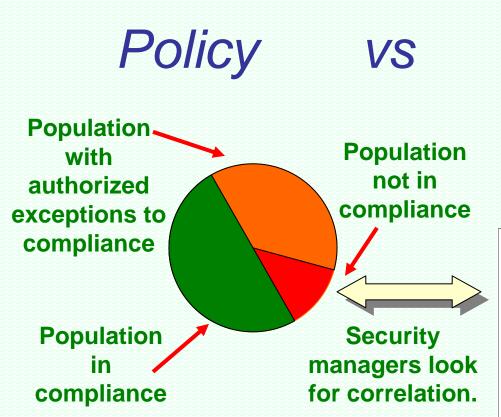
Contrast: Focus



Confidence in totals comes with aggregation rather than collection.

Contrast: Basis

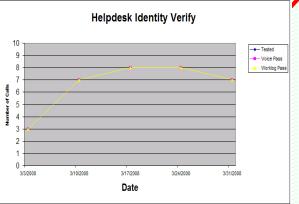
Risk



Security *Process*



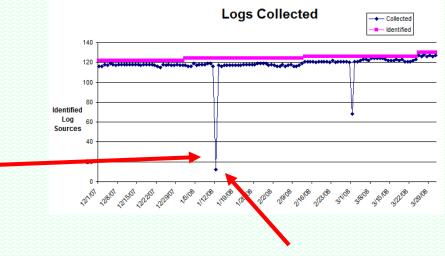
Control points from process directly correlated to measured activity.



Contrast: Reliance

Risk Security Explanations vs Accountability

Risk manager hears proximate cause, e.g.: "server down"

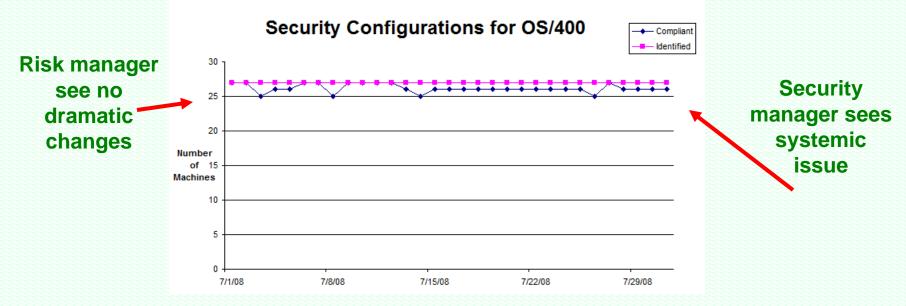


Security manager should ask: "What was root cause?"

Where there is a process in place designed to maintain the metrics, there should be accountability for poor results.

Contrast: Reflects

Risk Security **Assessment vs Implementation**



Detail behind OS Comparison from "Automation" example

Prevalent versus Necessary Metrics



What makes security an attribute?
How to find it?
What objectives are met using only risk metrics?
Should overlap be pursued or avoided?

Questions? Discussion...

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