

Metrics Mashup

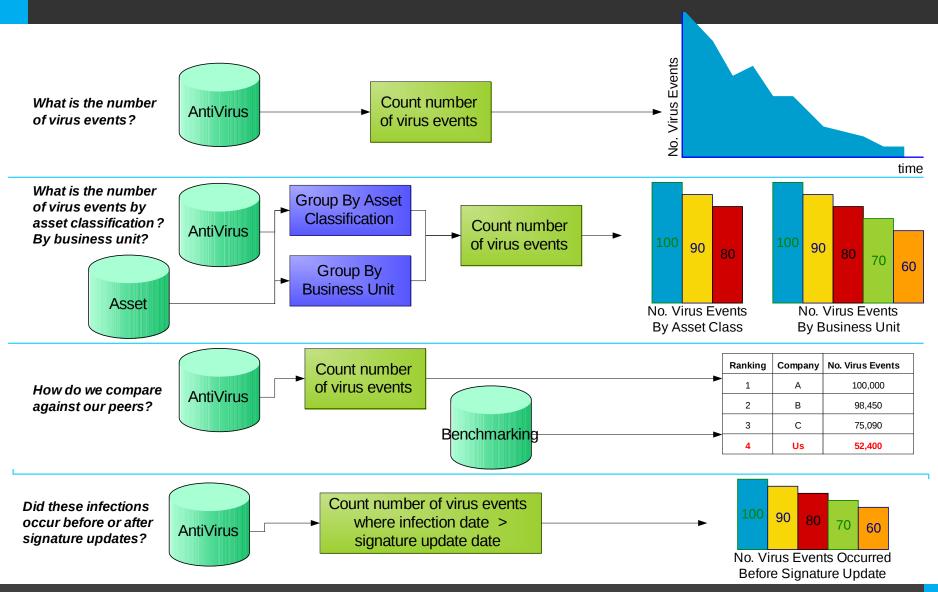
Ensuring the Success of Your Security Metrics Program

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Example – What a manager might want to know

- What is the volume of virus events?
- What is the volume of virus events by asset class and business unit?
- How do we compare against others?
- Did these infections occur before or after signature updates?

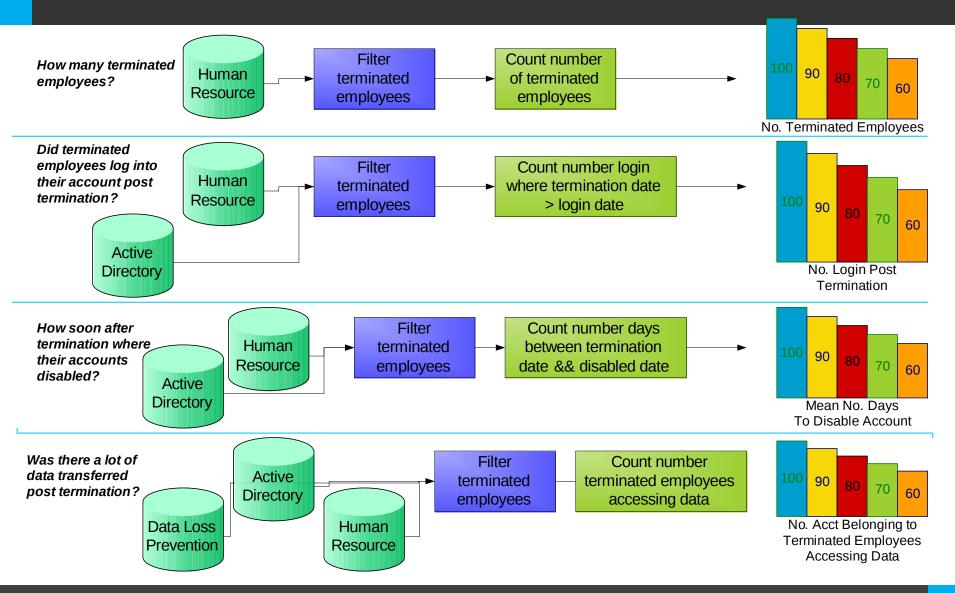
Example – How we go about getting this information



Example – What a manager might want to know

- How many terminated employees were there?
- Did terminated employees log into their account post termination?
- How soon after termination where their accounts disabled?
- Was there a lot of data transferred prior to or post termination?

Example – How we go about getting this information

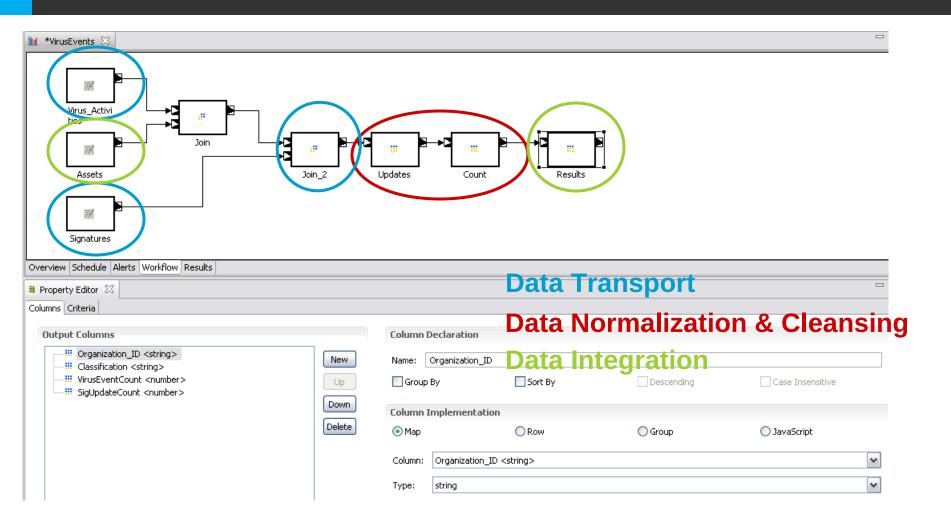


What is a metrics mashup?

 Integration of complementary elements from multiple sources



Performing a metrics mashup

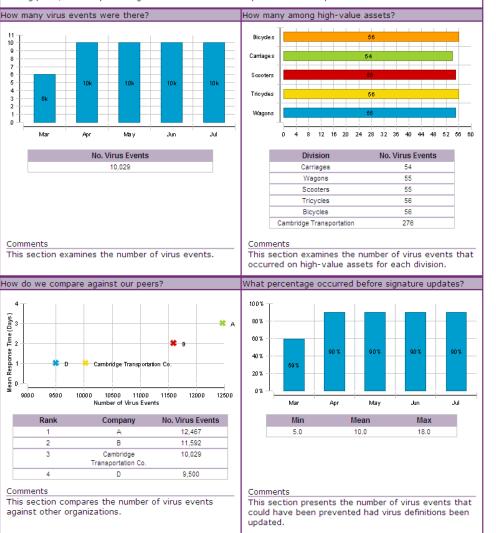


Results of a metrics mashup

Virus Events

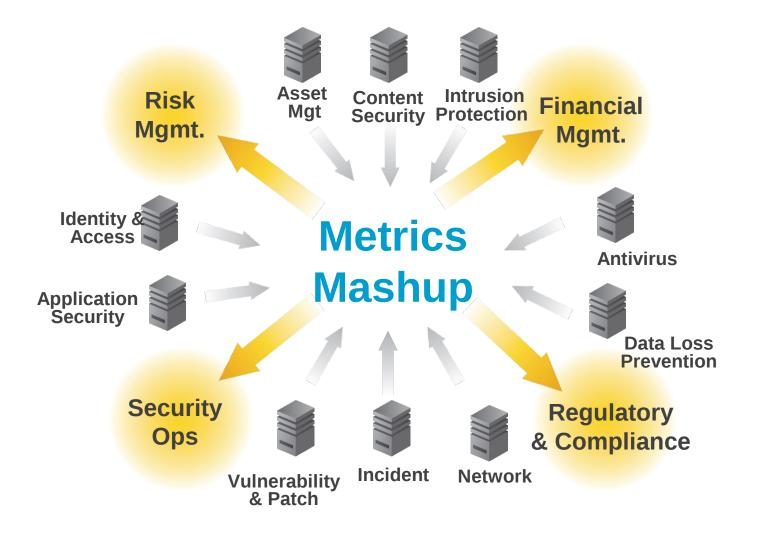
The Virus Events scorecard examines the number virus events detected by the organization. It examines the overall number of virus events, the number that occurred on high-value assets for each division, a comparison among peers, and the percentage of events that occurred prior to DAT file updates.

- Provide new and interesting analysis of data
 - Single, integrated view of data from complementary products
 - Enrich data with dimensions (organization, asset classification, etc)
 - Show relationship among products



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Summary



Questions

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Caldwell, Matthew. "The Importance of Event Correlation for Effective Security Management." Information System Control Journal. Volume 6. 2002.

Clarkin, Larry and Josh Holmes. "Enterprise Mashups". <u>The Architecture Journal</u>. http://msdn.microsoft.com/en-us/architecture/bb906060.aspx.

Jansen, Wayne. NIST IR-7564. "Directions in Security Metrics Research." March 2009.