LogRhythm and Native Windows Event Forwarding: How to Do It Right, Filter the Noise and Simplify your Infrastructure

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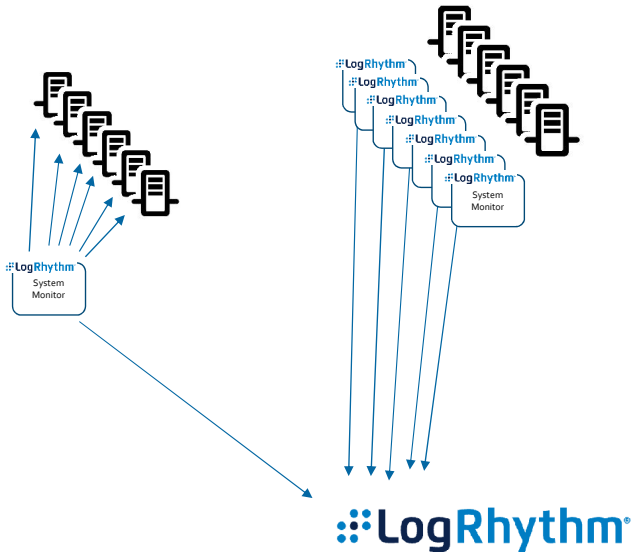
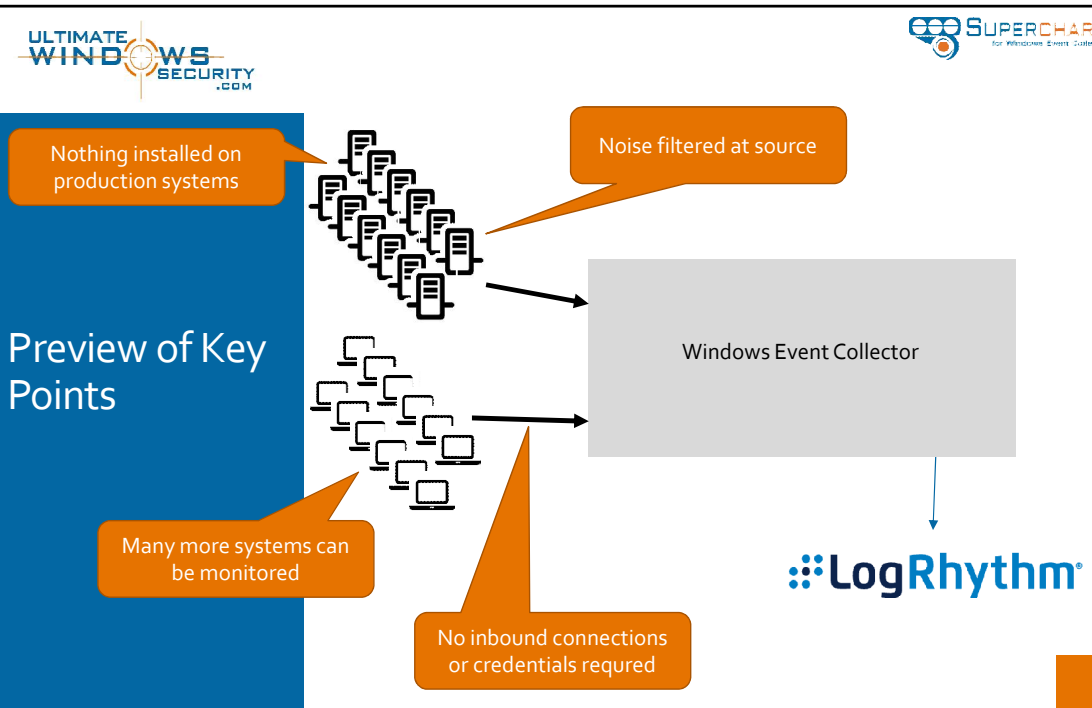
- Made possible by

Preview of Key Points



Preview of Key Points



Benefits of WEC with LogRhythm

- Resources and capacity
  - Network Bandwidth
  - EPS/MPS Reduction
- Simplification
  - No Service Accounts
  - No agents to
    - Install
    - Update
    - Manage
    - Convince admins to allow
- Public cloud environments
  - For environments with ephemeral hosts that would otherwise require manual configuration in the SIEM, using a WEC remove this challenge as log sources are automatically collected.
  - For ephemeral IaaS hosts WEC is best approach

Benefits of WEC with LogRhythm

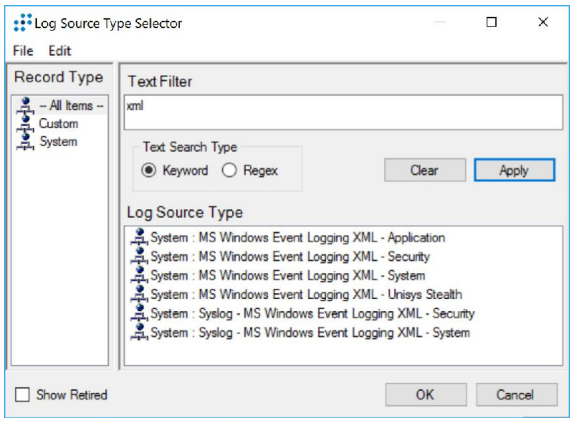
- LogRhythm supports WEC
  - LogRhythm Known Host works with WEC

How to do it

- Setup Windows Event Collector
- Setup Subscriptions and Destination Logs on collector
- Install LogRhythm System Monitor on collector
- Add Log Source to System Monitor for each Destination Log

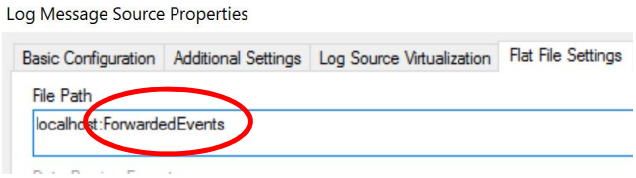
Add Log Source to System Monitor for each Destination Log

- Log Message Source Type
  - MS Windows Event Log XML - Security



Add Log Source to System Monitor for each Destination Log

- Use Flat File Settings to define the specific log

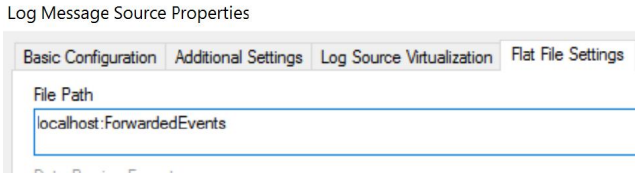


Beyond the basics

- Multiple log types
  - Don't re-use Application and System on Collector
  - Options
    - LogRhythm Log Source Virtualization
    - Using Custom Event Forwarded Destinations

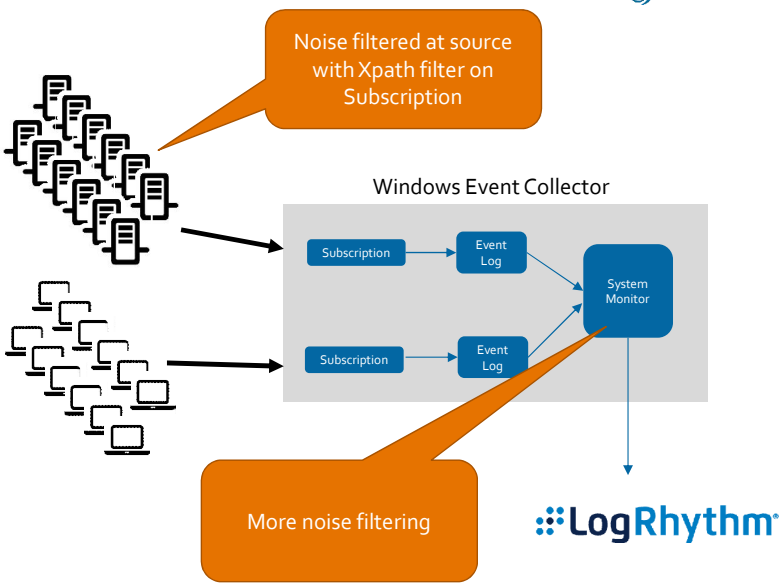
Log sources

- LogRhythm has 2 log formats for getting Windows event logs
  - Classic
  - XML
    - Use this when present for given log type
- To specify a different physical log

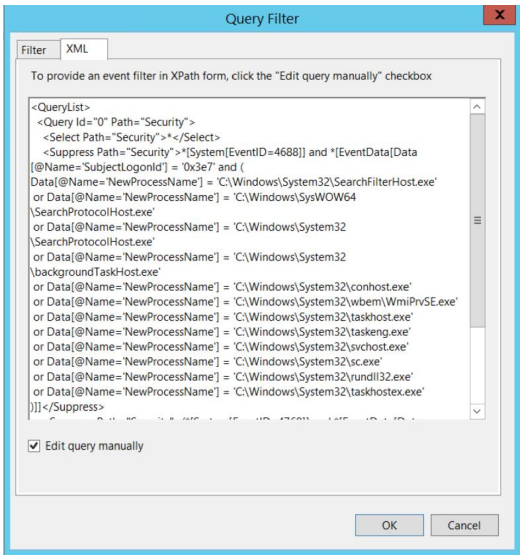


- Log Source Host = WEC collector
- Impacted or Origin Host = Forwarding computer (aka event source computer)
- LogRhythm Known Host works with WEC

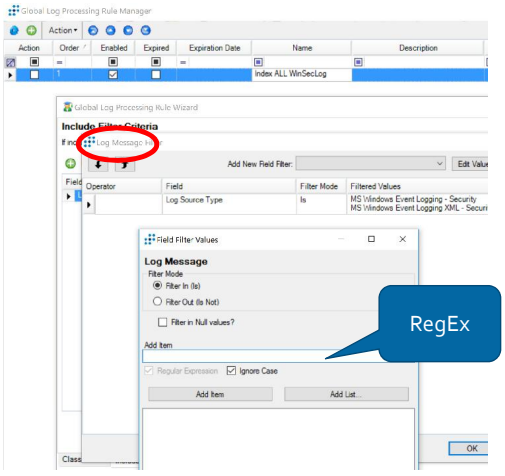
2-level noise filtering



Level 1 – WEC Subscription Xpath filters



Level 2 – Using Global Log Processing Rules



Bottom Line

- Windows Event Collection rocks
  - Built into Windows
  - No agents
  - Noise filtering at the source
  - No inbound/remote collection or configuration
  - Efficient
  - Resilient

Windows Event Collection is a foundation technology

- No management
- How to manage multiple collectors?
- Is WEC really working?
  - Which computers are failing to forward security logs?
  - Are we missing any computers?
- Is my WEC collector overloaded?
  - Dropping events?
  - Unresponsive?
  - Approaching capacity?
- How do I distribute load of many event sources between multiple collectors?

Windows Event Collection is a foundation technology

- Need for custom logs to separate sourcetypes
  - But no way to create custom logs that WEC will support as a destination
    - Build XML manifest file
    - Compile with Message Compiler mc.exe
    - Compile with Resource Compiler rc.exe
    - Register event source
    - Xpath filtering is powerful but
  - Requires knowledge and testing of cryptic syntax
  - Requires expert knowledge of security log events so that you don't suppress important security events
- Windows needs to be optimized to avoid dropped events and WEC hangs

Supercharger for Windows Event Collection

- Brings all your WEC collectors around the world onto one pane of glass

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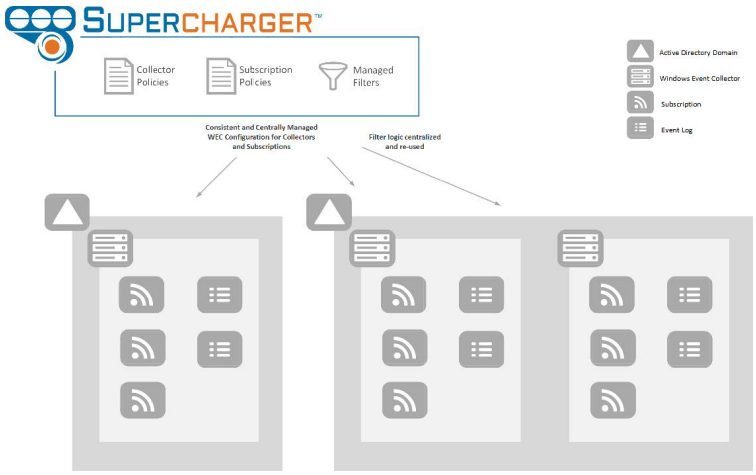
SUPERCHARGER for Windows Event Collection

Supercharger for Windows Event Collection



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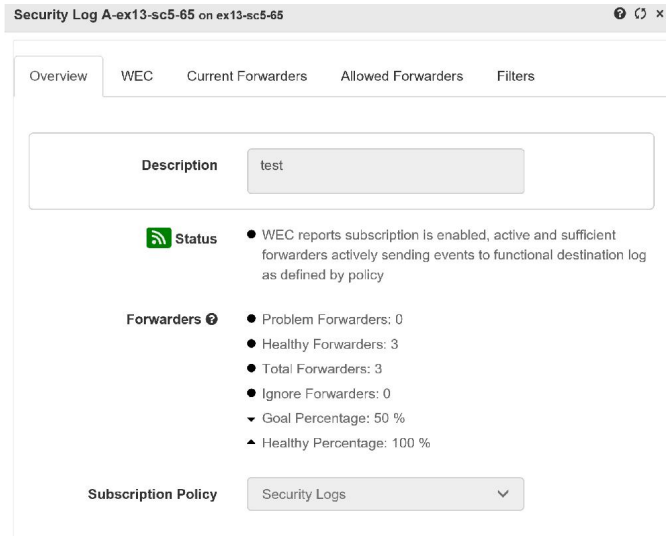
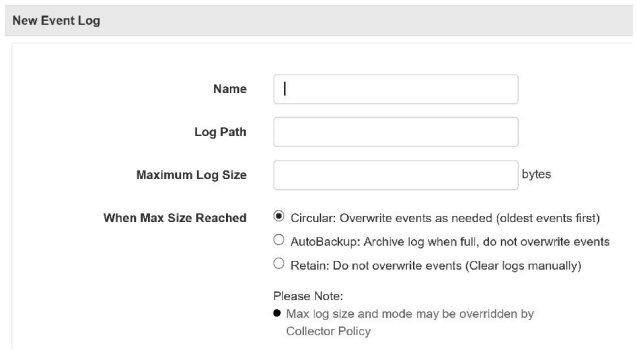
SUPERCHARGER for Windows Event Collection

Manage subscriptions consistently across all collectors



Create custom logs supported by WEC in seconds



Load balance computers between collectors

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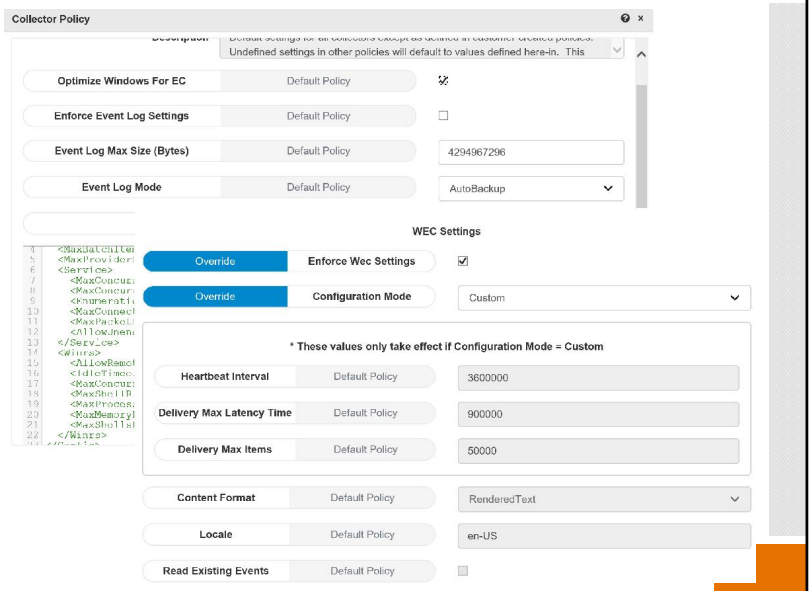
SUPERCHARGED for Windows Event Collection

Optimize each collector automatically to support high volume WEC

All settings exposed via UI



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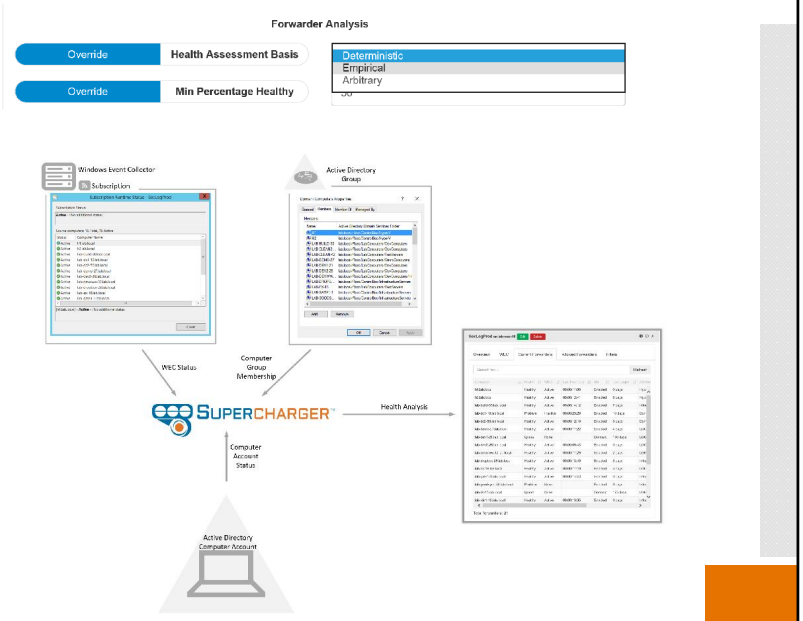
At a glance performance and health indicators

3 ways to measure health



Supercharger for Windows Event Collection

- Download Supercharger manager at
  - https://www.logbinder.com/Form/SCDownload
  - Installs in minutes
- Install agent on each collector
  - 5 minutes
  - Automatic upgrades of all collector agents
- Get instant and global visibility and control
- Instant price quote
  - https://www.logbinder.com/Products/Supercharger/Pricing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