Agenda

• Introduction: 10 mins
• Log Insight + 2.0 Features: 10 mins
• Log Insight 2.0 Demo: 10 mins
• New LI Partner Program: 10 mins
• Call to Action: 10 mins
• Q&A
Log Insight + 2.0 features
vCenter Log Insight 2.0 Overview

Intelligent Operations
- Predictive analytics/Intelligent Grouping for faster problem resolution
- Faster analytical queries than the leading solution
- Improved analytical visualizations

Built with vSphere in Mind
- Powerful Log Management for VMware Products
- Support for VMware products incl. NSX, vCAC, Horizon View
- Built in 2 way alerting with vC Ops

Unified Management
- Open and extensible platform/marketplace for content packs

What’s New
- Elastic Scale – up to 6 node clusters
- Predictive Analytics – Machine Learning based Intelligent Grouping
- Better visualization – New Analytic Visualizations
- Integration with vC Ops 2-way alert visualization
- Built by VMware Experts – vSphere analytics built in
- Predictable Pricing No surprises on storage costs
- Improved Query Performance – Up to 6X faster than leading solution
- Improved Data Collection – 30% improvement on ingestion

Delivers the best real-time log management for VMware environments, across physical, virtual, and cloud environments.
Why Log Insight?

• The Basics
  – Centralized log management for your entire stack
  – Search & analyze log data for real-time troubleshooting
  – Anyone in the organization can access log data without compromising production systems

• Best for VMware by VMware
  – Optimized for vSphere logs, vSphere analytics are built in
  – Automatic ESXi configuration for collection
  – Integration with vCenter Operations

• Very easy to deploy, intuitive to use
• Simple & predictable pricing model
Primary Use Cases

- **Troubleshooting and Root Cause Analysis**
  - Follow the trail from vCOps to logs to get to root cause to an observed problem
  - I observed a problem (e.g. slowness), try to troubleshoot the problem and identify the part of the stack that is responsible (e.g. network delay vs storage)
  - *Identify the needle in the haystack in real time when troubleshooting a problem*

- **Monitoring**
  - Monitor metrics and events (performance & change) that are visible only in logs
  - Escalate alerts to on-call staff or via vCOps
  - *Identify problems proactively, ensure SLAs and comply to IT policies*

- **Unstructured Data Warehouse**
  - Collect all the data in one place without the need for custom parsing, transformation of data
  - *Get full visibility across all your IT environment from a single place*
What’s New in Log Insight 2.0 Beta

Highlights

• Scale-Out with High Availability
  – Cluster deployments up to 6 nodes
  – Managed by an external load balancer

• Proactive Analytics
  – Significantly reduces manual effort required by the user
  – Automated data summarization
    • Logs are clustered by event type, so rare messages can be easily spotted
  – Intelligent schema detection adds structure to unstructured data
  – Smart fields to aid in extraction
What’s New in Log Insight 2.0 Beta (cont’d)

Highlights

• Dashboard Enhancements Greatly Improve Effectiveness as Debugging Tools
  – Dashboard Filters
    • Can now apply a filter to all charts on a dashboard page
    • Speeds up investigation of individual entities (hosts) or groups (clusters)
  – Dashboard Linking
    • Hyperlink from a value in one chart to a dashboard constraint in another
    • Log Insight automatically discovers appropriate links
  – Both Features Will Significantly Increase Content Pack Capabilities
    • Richer workflows
What’s New in Log Insight 2.0 Beta (cont’d)

Highlights

- RESTful API for Log Ingestion
  - Collection Framework API, or CFAPI
- Windows Collection Agent
  - Forwards Windows Event logs
  - Monitors & forwards flat log files
  - Centralized reporting & management
- Lots of smaller improvements in 2.0 Beta
  - Don’t have time to cover in this talk
- More features coming in 2.0GA
  - Including a LOT of UI & charting enhancements!
Log Insight Technical Overview

Analyze
- Can analyze any unstructured time-series data, configuration etc.
- Automatically identifies structures in the data
- No need for ETL or databases

Scale
- Central, scale-out store (no-SQL) for all collected logs
- Configurable retention and archiving
- Maintenance free

Best for vSphere
- Queries, alerts, fields, charts in the vSphere Content Pack
**vCenter Operations and Log Insight**

Leverage *all* your IT data for comprehensive visibility in one place

- **Intelligent operations** through predictive analytics across all machine data
- **Policy-based automation** enables proactive management and automated remediation
- **Unified management** for comprehensive visibility in one place, from vSphere to Hyper-V, AWS and physical infrastructure
Scale-out Architecture

With Ingestion High Availability

Web UI/Query (HTTP:80)

Syslog (TCP/UDP:514) (HTTP:9000)

CFAPI (HTTP:9000)

Load Balancer (UDP & TCP)

Log messages (Syslog:514 and HTTP:9000)

Master Node

Log Insight Worker Nodes
Log Insight  2.0 Demo
Log Insight Partner Program
vCenter Log Insight 2.0 Program

- EASE program targeted to roll out in May to coincide with Log Insight 2.0 GA
- TAP membership required
- No VMware program fees
- Formal legal onboarding with Log Insight 2.0 Program Guide
LI 2.0 Program Structure

• Development materials still to be hosted publicly on VMware Developer Center
• Use of VMware Developer Center Partner Network (DCPN) for development questions
• Validation results review by VMware Management Business Unit (MBU)
• Ability to post on VMware Solution Exchange (VSX)
• VMware Global Support Services (GSS) for end-user assistance
Developer Center Resources

Key Benefits

- Creating Content Packs is as simple as using vCenter® Log Insight™
- vCenter® Log Insight™ users can create a content pack for private or public consumption
- Distribute to your users to improve their experience
- Avoid help desk calls by including solutions and links to online help
- VMware partners can list their Content Packs on Solution Exchange and on our YouTube channel

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Next Steps

• Contact Kenji Kojima, LI Program Manager
  • kkojima@vmware.com

• When program is ready, partners can start onboarding process

• Automated onboarding process will be accessible via Developer Center
Call to Action:

Join the 2.0 program

1.5 content should be upgraded to 2.0