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FACT SHEET

Splunk® App for Stream

Enhance Operational Intelligence With Wire Data Capture

HIGHLIGHTS

- Expand the potential of machine data with real-time insights from wire data
- Augment Operational Intelligence for IT, security and the business, without instrumentation
- Gain visibility into any public, private or hybrid cloud infrastructure by collecting wire data with a single software solution
- Control the amount of wire data ingested with fine-grained protocol and attribute filtering
- Enable fast deployment, accelerate incident response, and scale-out wire data collection across the enterprise with interface-driven installation, management and customization

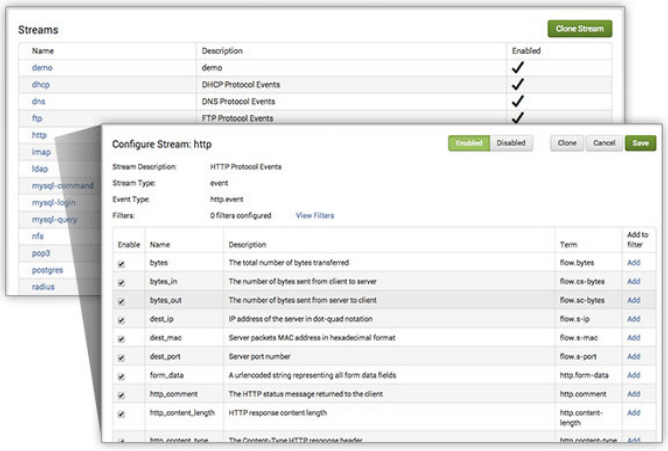
Wire data, the data communicated over the network, is an important source of information about business activity, application performance, security and infrastructure issues. This data can provide granular insights into payloads, web interactions, infrastructure and application response times, customer user/usage experiences and more. When correlated with other machine-generated data, wire data can enhance Operational Intelligence.

Given the high volume, velocity and variety of wire data, extracting real-time insights at scale presents several challenges. Traditional methods require manual instrumentation at routers, gateways and switches, and exporting slices of data into third-party tools. Alternatively, appliance-based solutions capture wire data from the network perimeter and are inflexible. Both methods make it difficult to acquire data from endpoints in public cloud infrastructures, creating data gaps. Furthermore, these solutions do not allow for on-the-fly configuration, customization or filtering.

Splunk App for Stream

The Splunk App for Stream is a simple and scalable software solution that captures real-time wire data from distributed infrastructures. These include private, public and hybrid clouds with on-the-fly deployment and fine-grained filtering capabilities.

Capture wire data from endpoints (such as physical or virtual machines), routers and switches, without instrumentation, so it can be analyzed in real time with Splunk software. Splunk customers can enhance Operational Intelligence by correlating this new class of data with other machine-generated data.



Using Wire Data

Wire data can extend every Splunk use case across IT and the business:

Application Delivery—gain granular visibility into application performance; transaction traces, paths and response times; network performance and even database queries, without the need for instrumenting applications or modifying application logs.

Infrastructure Operations—pinpoint the root cause of issues faster. Map dependencies of critical infrastructure services and ensure the delivery of services at the levels required by the business.

Combine application and infrastructure logs with granular wire data in Splunk software for a complete view of application availability, performance and usage in relation to the underlying infrastructure components. Accelerate time-to-resolution, establish better baselines and trends, and enable IT to make informed business decisions.

Security—proactively monitor and avoid attacks and exfiltration. Drive sophisticated analytics for threat detection, incident response, intelligence gathering and threat prevention with granular data on headers, payload and more. Accelerate incident response with simple and rapid deployment to collect wire data.

Business Analytics—capture all web interactions for a deeper understanding of user experience to improve customer satisfaction, prevent drop-offs, improve conversions and boost online revenues. Gain real-time business insights across critical business processes such as retail, provisioning in telecoms, trade execution in financial services and more.

Features of the Splunk App for Stream

- Capture wire data across distributed infrastructures, from the network perimeter and endpoints in public, private or hybrid clouds using a single software solution
- Control and manage wire data volumes with fine-grained precision by selecting or deselecting protocols and associated attributes within the app interface
- Clone built-in streams, and define filters and aggregation rules to capture meaningful data for analyses
- Whitelist or blacklist data capture from specific IP addresses and subnets with the interface
- Decrypt SSL-encrypted traffic with private keys for data completeness
- Scale the installation and configuration with interface-driven installation and centralized management
- Correlate application and infrastructure data such as logs, events and metrics with wire data to gain valuable insights and enhance Operational Intelligence
- Perform both planned and ad hoc troubleshooting; combine the Splunk App for Stream and the Splunk App for Enterprise Security to capture and analyze ephemeral streams

Custom Content Extraction

Many of today's communications protocols, like HTTP, contain a lot of information in the payload. Often, the important operational, security or business value data is only a subset of the overall verbose content. This information is difficult to discern due to inconsistent formatting and limitations of existing tools. The Splunk App for Stream's custom content extraction enables you to easily extract important information from network traffic without the need to store all packet payload data. Use a simple GUI to create and apply rules and extract custom text on-the-fly from your content without manually parsing the payload data.

- Quickly and easily analyze web traffic for potential security risks with rule-based GUI extraction. Look for potential data exfiltration, including exposed assets, user credentials such as clear text passwords, or personal identifiable information such as credit card numbers. These insights help organizations prevent data loss, provide easier forensics and reduce troubleshooting time.
- Get real-time granular insights into key business indicators from web traffic payload for efficient business analytics, including marketing and transactional data. These insights offer immediate visibility into the dynamic content of shopping carts, user interactions with websites, and other important business data without the need to manually extract, store and retrieve the full web payload (which can be verbose and expensive).
- Efficiently monitor performance of web services delivered through protocols such as SOAP or JSON-RPC by extracting per-API response times or other information from payload data in real time.

Distributed Forwarder Management

The Splunk App for Stream's distributed forwarder management (DFM) simplifies deployment management and increases administration flexibility. It enables per-forwarder protocol control and increases management granularity and efficiency. It also allows flexible grouping of forwarders, which tailors data collection to unique enterprise needs.

Product Requirements:

All instances of the Splunk App for Stream must run on Splunk Enterprise v6.0 or later. The Splunk App for Stream comes prepackaged with a Splunk Stream forwarder (v6.0). The Splunk forwarder is supported on Windows 2008 R2 (64-bit), Windows 7 (64-bit), Linux 32-/64-bit and Mac OSX 64-bit kernels (with limited protocol support on the Mac OSX platform).

Free Download

Download Splunk for free. You'll get a Splunk Enterprise 6 license for 60 days and you can index up to 500 megabytes of data per day. After 60 days, or anytime before then, you can convert to a perpetual Free license or purchase an Enterprise license by contacting sales@splunk.com.

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