SwiftWing
SIRIUS

Finance & Securities Perspective

Monitoring solution are a great answer in protecting bank's reputation and prepareness to attacks or unknown transactions. For such Monitoring solutions the biggest enemy here is when traffic bandwidth is not enough to hold every user's transactions records regardless of their location, actions, etc.. From the Bank's perspective, it is important to understand how the implementation of the customer's data, especially related to banking / trading transactions works.

Based on the protocol's characteristics that is given by the customer and high performing capture, SIRIUS is able to guarantee all transaction packets are being recorded should there be any dispute in bank's operation occuring.

On data protection for financial's customers, it is also good to let customer know what the bank has already assured them on the security, hence allowing customer to have more confidence to allow the bank to manage the fund for them.

Existing monitoring system might already have an analysis tool, SIRIUS can enhance the pre-analysis step by providing high expectations the data collection and captures, these are the benefits here. SIRIUS is an important gateway or a pre-cursor to the success of the data analysis:

i. "**Transacted packets are stored to one of a billion second precision**"

With the timestamp precision at the current technology limit, every packets for a transaction will be collected even at extreme high traffic rate while syncing with centralized time source. Analysis would not be better without a complete data collection with guaranteed performance.

ii. "**Optimally capturing anything of everything**"

Latest technological capturing and write-to-disk performance assure even at peak of your traffic rate, that everything is precisely stored without an information loss. The assurance on the performance allows engineers equipped with the most accurate data to further extract and analyze the information behind the data.

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iii. "**Scheduled to automatically capture with the least effort**"

Automated process always keep efforts at minimal level and have effective outcomes; the scheduled capture allows daily network traffic to be captured and archived regardless of the network condition. All of the captured network traffic and information are perfectly stored in the system, thus allowing further management and analysis to be carry out efficiently to complete the post-capture activities at any moment.

iv. "**Protect against accusations and discrepancies**"

Owning a high performance capture box with detailed capture information is equivalent to holding key evidence if there is any services dispute occurs. With high precision timestamp, it highly assures the captured event can be extracted for further dissection and investigation.

v. "**Discovery of uncharted business solutions, potentially**"

Being able to capture network traffic at high precision, the information that is being analyzed can potentially contain meaningful data that could help in decision making at the management level. The capture engine plays an important role here ensuring packets are 100% being stored and uncorrupted, ultimately produce high quality of pre-analysis information.

vi. "**Detect abnormal traffic condition while capturing**"

Complementary with high performance capturing, the system is able to provide real-time statistical information on the packets that are being stored up to transport layer (UDP, TCP, a.s.o.) as well as microsecond statistics (Microburst Analysis). It is extremely useful when there are unknown traffic condition being detected and network engineers can take proper actions to alleviate the issue immediately without even have further analysis.