



Karen Grosset

Tyler Cybersecurity
Sales Manager



Jim Ash
Account Executive







A tale of two cities

Baltimore, Maryland		Riviera Beach, Florida
619,000	Population	35,000
50 people	IT Department	10 people
13,000	Employees	550
May 7, 2019	Attack date	May 29, 2019
RobbinHood	Infection type	Email Phishing
\$76,000	Ransom Asked	\$592,000
\$0	Ransom Paid	\$592,000
\$18 Million	Total Expenditure	\$1.5 Million





Managed threat detection













No costly hardware

Security events streamed in real-time

Human experts investigating



What is a log file?

Every transaction on a network creates a log file

Who, what, when, where, and how for each transaction

Good, innocuous, and bad actions are all captured

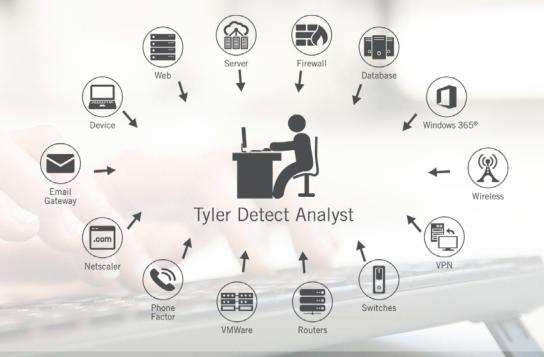


Log File:

66.249.65.107 - - [08/Oct/2007:04:54:20 -0400] "GET /support.html HTTP/1.1" 200 11179 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"

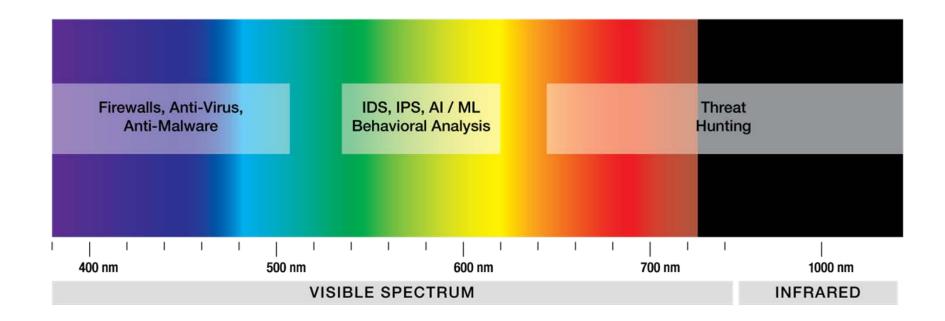


We monitor everything – not just Tyler apps





Threat spectrum







Daily report

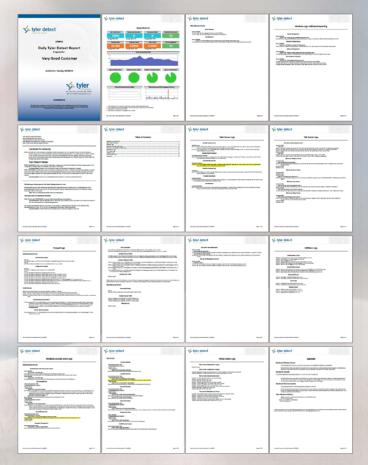
Reports published each business day

Critical log data for 24-hour period

Consolidated view of activity

Secure and documented **audit trail** for compliance

Summarized monthly reports that auditors love!

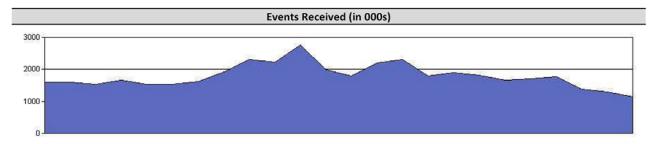






Daily Metrics

Tyler Detect Score¹ **Unanswered Questions Client Real-Time Alerts Unanswered Items** 100% 0 54 Average Client: 60% Average Client: 2.31 Average Client: 10.96 **Firewall Events** Other Events SOC Investigations² **Windows Events** 34.4M 4.89M 3.90M 56 Average Client: 8.28M Average Client: 1.19M Average Client: 2.81M





Daily report contents

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Windows Logs Additional Reporting 'Routine' Events

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Linux Logs 'Routine' Events

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Office 365 Events 'Routine Events'

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Oracle Application Logs 'Routine' Events

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Switch Logs 'Routine' Events

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THITTE LOGS HOUSE

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Multi-Factor Authentication Logs 'Routine' Events

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NetScaler Logs 'Routine' Events

Appendix

Windows Server Appendix

NetScaler Logs Appendix

NetScaler Logs Appendix 'Routine Events'

Click and view



Real-time alerts

Unique and suspicious activity is identified and confirmed

Detailed notifications of what occurred

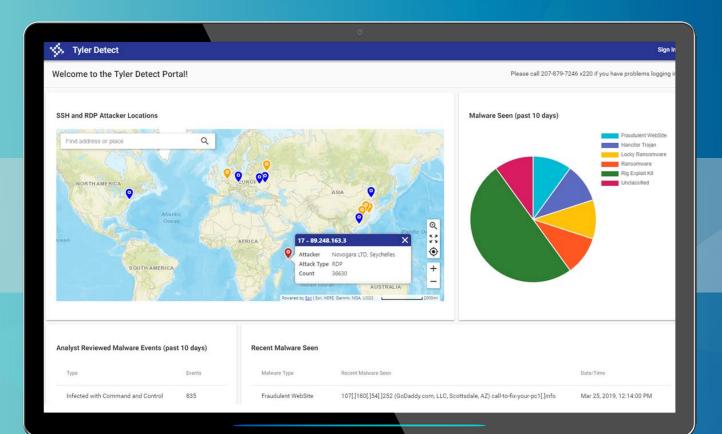
Customizable alerts

Malware threats are communicated by phone

Customers can authorize Tyler to disable infected Windows computers to mitigate suspicious activity

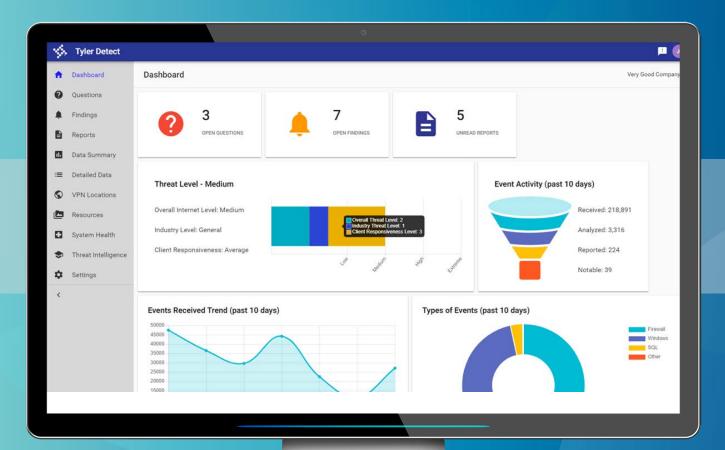






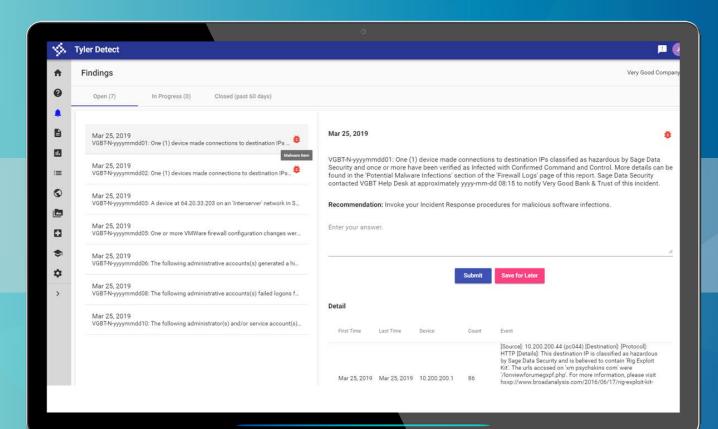
Landing page





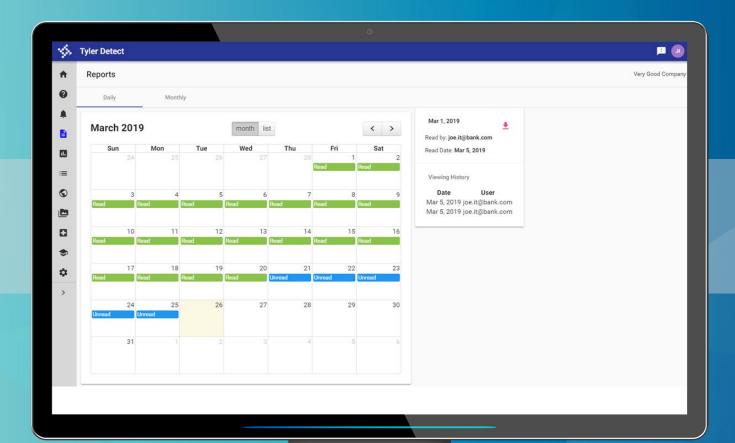
home page





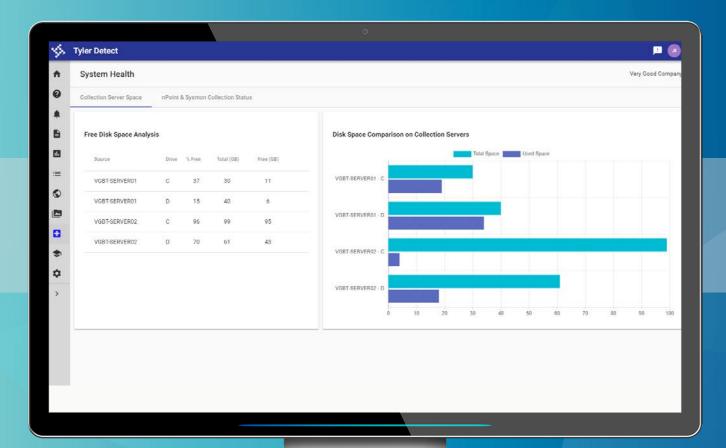
Finding with details





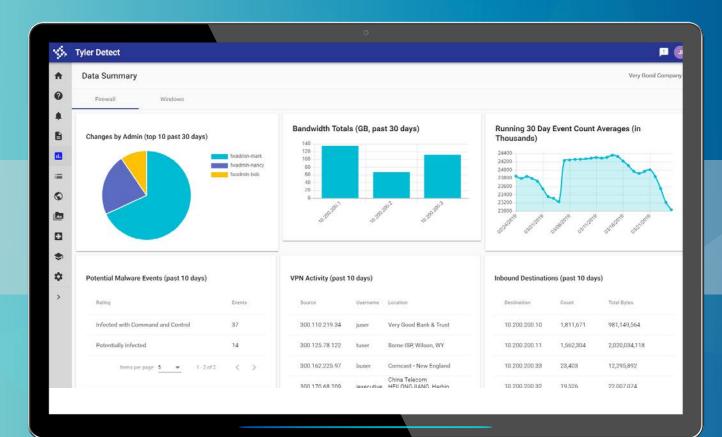
Reports with customizable views





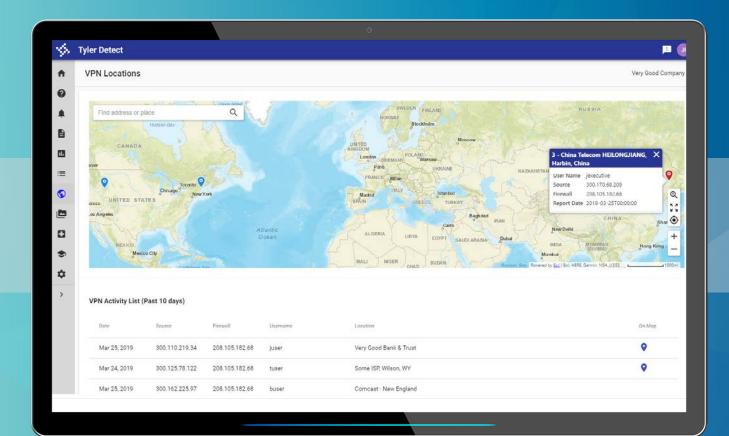
System health





Firewall **activity**





Map of VPN locations





Tyler Detect monitors all network log files from the firewall down to each user's computer

It uses automated tools and manual intelligence to quickly pinpoint anomalies

We have **experienced experts** weeding out suspicious activity 24/7/365



Mike Caffrey Blount County, TN

"With Tyler Detect, I feel like I have a team working around the clock to uncover all those things I didn't know before."



Laurie Gagner, City of Sunrise, FL

"We are VERY happy with the results from Tyler Detect. Having trusted humans monitoring our logs in real-time is invaluable. Yes it's an investment in time and dollars, but it's way less costly than being forced to react after something bad happens."



Aaron Kostyu Director of Technology Lowndes County, GA

"There is absolutely no way for a CIO or technology director to be aware of what is going on in their environment without a tool like Tyler Detect. My awareness of my network has increased 80%. Knowing that it is also monitoring my traffic 24/7 for any deviant behavior is an added bonus that gives me and the county's management team a strong sense of comfort."



Installation

Annual subscription

Light and nimble deployment

Handful of scripts and stored procedures for **log** collection

Kiwi application user license

Negligible performance impact to your system



Added Professional Services

Penetration Testing

Vulnerability Assessments

Social Engineering – Email Phishing

Cybersecurity Resilience Assessment

Training





800-772-2260 x4222



