

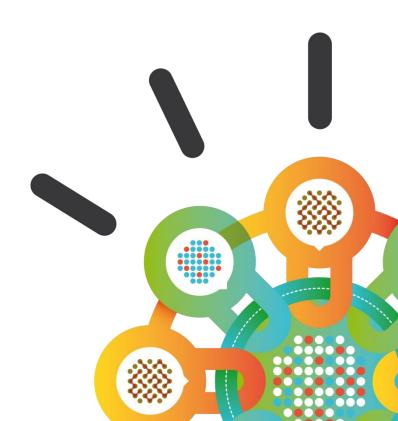
Security Intelligence.

Think Integrated.

QRadar Workshop POT

2014 Rev. 1.02

Introduction & Agenda



Instructor Introduction

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Please silence phones while in workshop, thanks.



Objectives

Einführung in die Security Intelligence Produkt QRadar



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AGENDA Nachmittag

13:30 - 14:10 QRadar World (QVM, QRiskManager, QRadar 7.2.3)

14:10 - 14:50 Introducing QRadar Forensic

14:50 - 15:20 Break

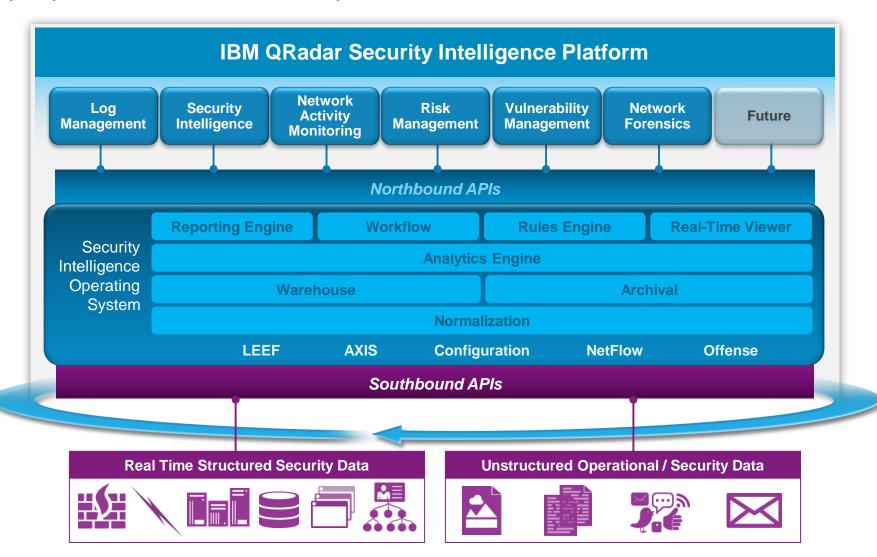
15:20 - 17:00 Hands on and Lab Session

17:00 - 17:30 Open Table Discussion

17:30 - 19:00 Networking



Delivering multiple security capabilities through a purpose-built, extensible platform





Vulnerability Management





Today's Vulnerability Management deployments... cannot interpret the "sea" of vulnerabilities

Not Active: Are the applications being used?

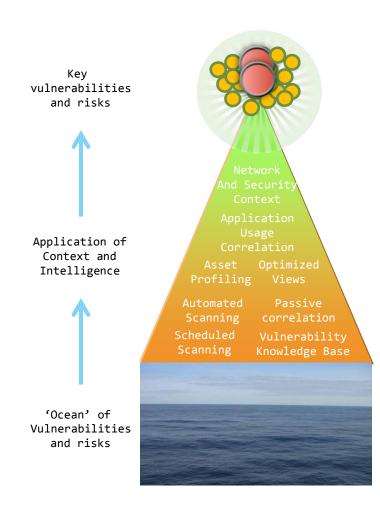
Patched: Are my vulnerabilities patched?

Blocked: Are there IPS and Firewall rules mitigating my vulnerabilities?

Critical: Are any of my web application vulnerabilities causing compliance failures?

At Risk: Are any potential threat sources accessing my web application?

Exploited: Have any of my vulnerabilities been exploited, where else am I vulnerable?



QRadar Vulnerability Manager Helps interpret 'sea' of vulnerabilities

Not Active: By leveraging QFlow, QVM can tell if the vulnerable application is active

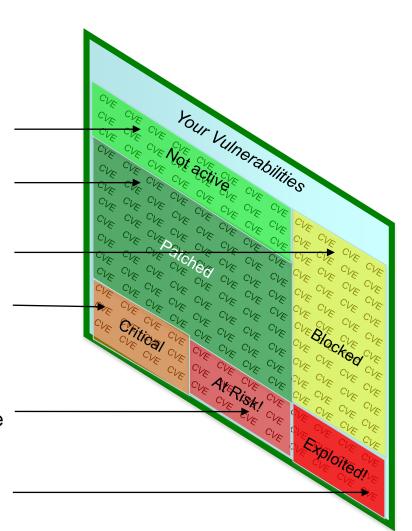
Patched: By leveraging Endpoint Manager, QVM understands what vulnerabilities will be patched

Blocked: By leveraging QRM, QVM can understand what vulnerabilities are blocked by firewalls and IPSs

Critical: By leveraging its vulnerability knowledge base, remediation flow and QRM policies, QVM can identify business critical vulnerabilities

At Risk: By utilizing X-Force threat, privileged user access, and SIEM security incident data, coupled with QFlow network traffic visibility, QVM can tell if vulnerable assets are communicating with potential threats

Exploited: By leveraging SIEM correlation and IPS data, QVM can reveal what vulnerabilities have been exploited





How QVM improves third-party vulnerability data

Benefit	QVM with 3 rd party scanner	QVM native scanning
Event driven and on-demand scanning	No	Yes
Asset model and watch list based scanning	No	Yes
Scan from existing QRadar appliances and managed hosts	No	Yes
Asset, vulnerability and traffic-based vulnerability management*	Yes	Yes
Custom vulnerability scores and context aware risk scoring*	Yes	Yes
Context aware vulnerability management (correlate network, threat, and vulnerabilities)	Yes	Yes
Incorporate firewall and network topology analysis into vulnerability risk assessment**	Yes	Yes
Comprehensive vulnerability filtering, reporting and dashboards	Yes	Yes
Holistic vulnerability view	Yes	Yes
Vulnerability assignment, remediation and exception processes	Yes	Yes

^{*} Requires QRadar Risk Manager Light ** Requires QRadar Risk Manager Full

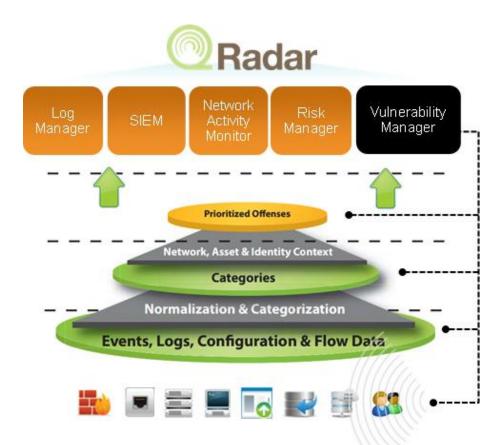


Security Intelligence Strengthened...

by integrated vulnerability insights

First VA solution integrated with Security Intelligence

- Improves visibility
 - Intelligent, event-driven scanning, asset discovery, asset profiling and more
 - Dramatically improving actionable information through rich context
- Reduces data load
 - Bringing rich context to Vulnerability Management
- Breaks down silos
 - Leveraging all QRadar integrations and data
 - Unified vulnerability view across all products
 - Reducing total cost of ownership through product consolidation



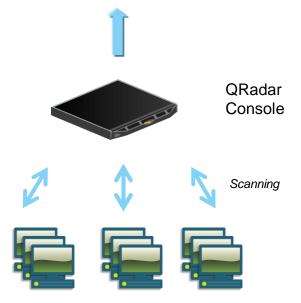
Security Intelligence is extending and transforming vulnerability management – just as it did with logs, events, flows and risk management.



Deployment scenarios

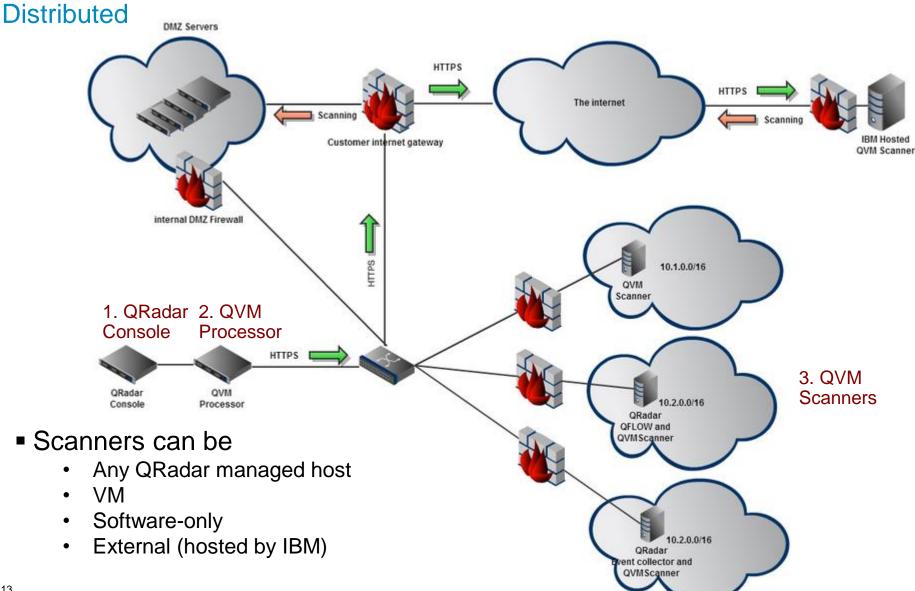
- All-In-One
 - 1. QRadar Console
 - 2. QVM Processor
 - 3. QVM Scanner
- Zero software install
- License key enablement
- Simple evaluation process for existing customers
- Distributed scanning required for larger deployments (larger than a POC)







Deployment scenarios





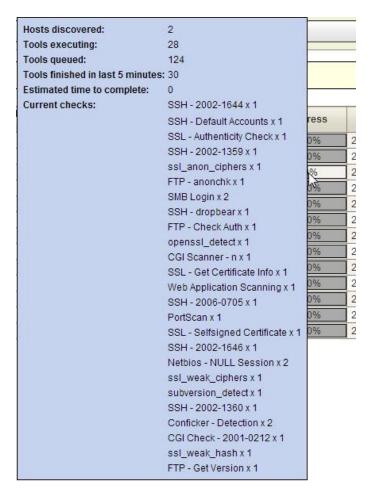
Scanner Methods used to detect vulnerabilities

Active Tests
Passive Tests
Authenticated Scanning

- Database matching
- OVAL methods

Early Warnings



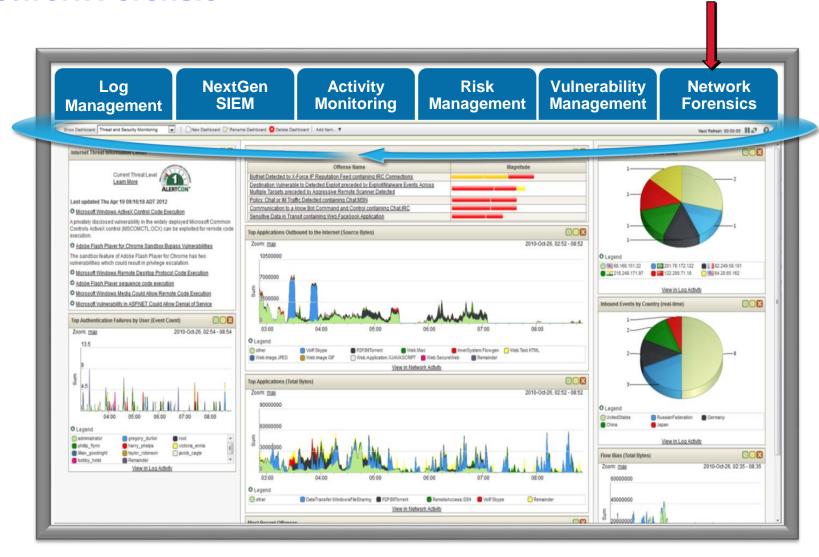




QRadar Incident Forensic



Network Forensic



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What is QRadar Incident Forensics?

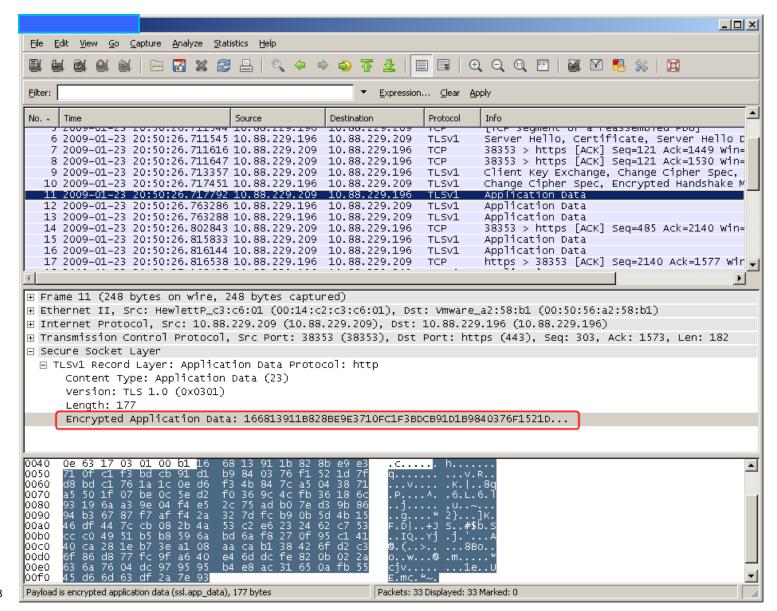
"QRadar Incident Forensics captures all the content of all the packets in a flow and indexes the payload as well as the metadata to enable fast search driven data exploration."

What gets indexed? EVERYTHING!! (well, sort of....)





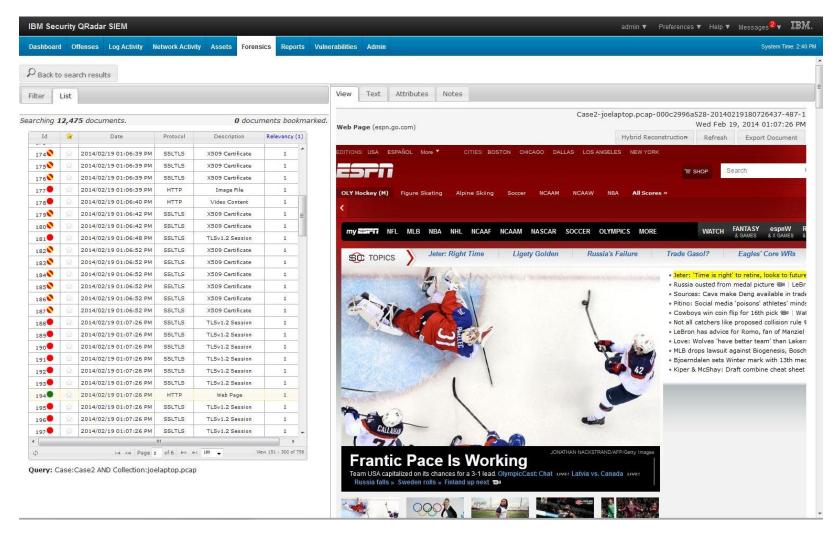
PCAP example with Wireshark





What is QRadar Incident Forensics?

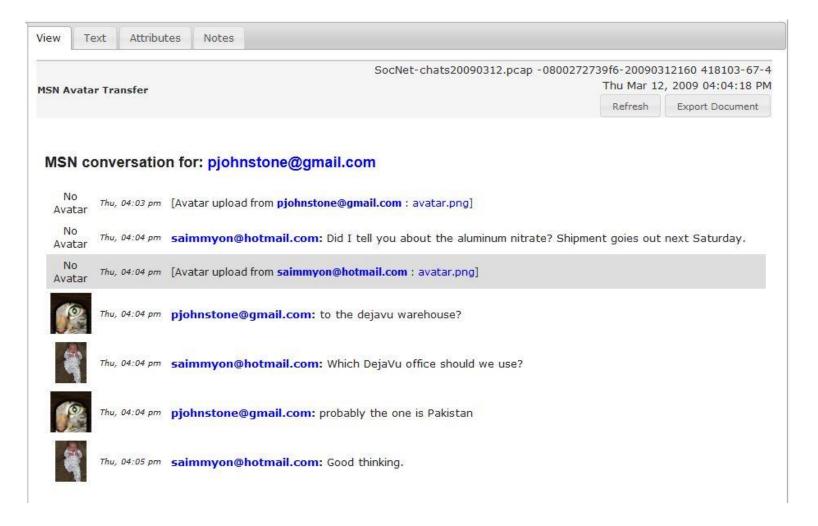
Web Page Reconstruction





What is QRadar Incident Forensics?

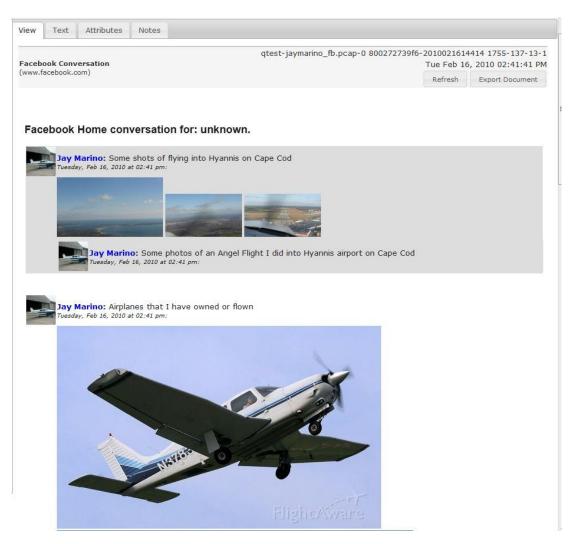
Social Network Conversation Reconstruction





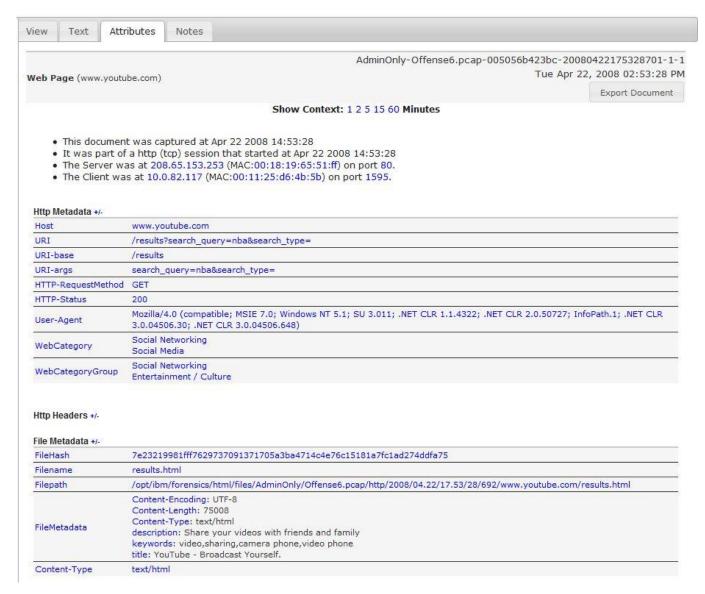
What is QRadar Incident Forensics?

Social Network Conversation Reconstruction



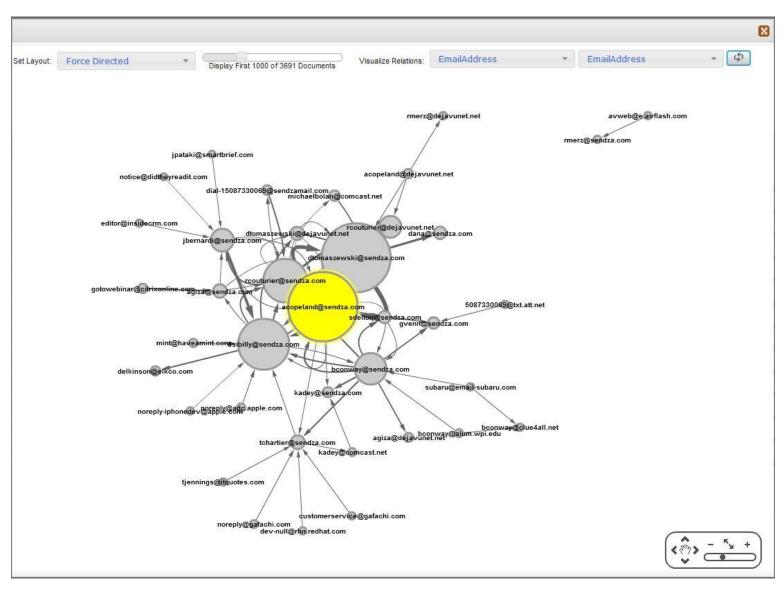


Metadata



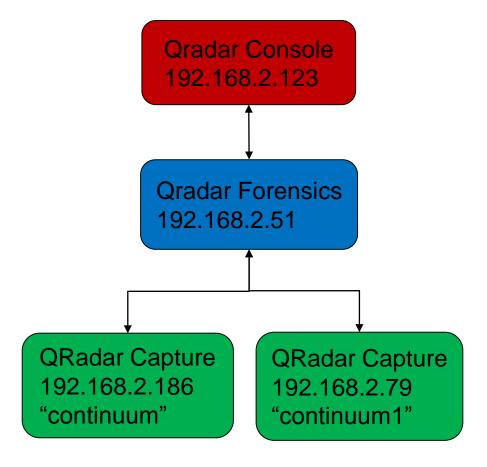


Digital Impressions



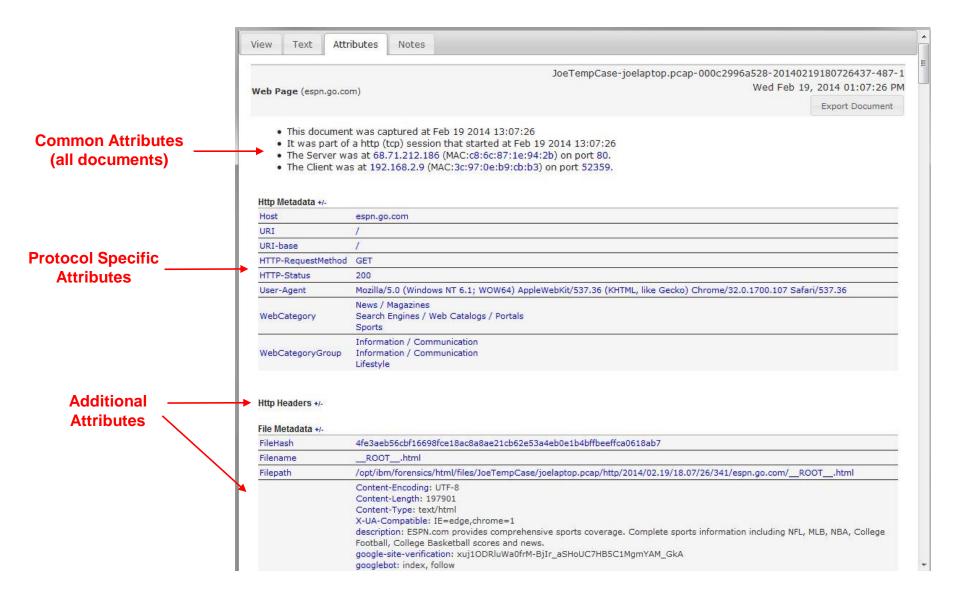
WorkFlow Configuration – Multiple Capture Devices

- Forensics can be configured connect to multiple capture devices
- Multiple devices are viewed by Forensics as a single 'logical' device





Document Viewer Attributes





Document Viewer Attributes

pop3

Standard Mail Headers +/-

From	"Michael Bolan" <michaelbolan@comcast.net></michaelbolan@comcast.net>	
То	"Andrew E. Copeland" <acopeland@sendza.com></acopeland@sendza.com>	
Subject	Re: Friday -	
UserName	acopeland	
UserPassword	password	

All Mail Headers +/-

File Metadata +/-

Protocol Metadata +/-

ServerGreeting: +OK Microsoft Exchange Server 2003 POP3 server version 6.5.7226.0 ProtocolMetadata MsgId: 68

IMAP

Standard Mail Headers +/-

All Mail Headers +/-

File Metadata +/-

Protocol Metadata +/-

MsqId: 263

MessageFlags: \Recent

ProtocolMetadata InternalDate: 24-Apr-2008 14:23:40 -0400

UID: 264

RFC822.SIZE: 48467

FTP

File Metadata +/-

FileHash	d9b35ff6b750c3c77d146c44a9825f3f24937f2ec309870b91e4918b2e8c67	
Filename	repomd.xml	
Filepath	/opt/ibm/forensics/html/files/LoginFail/enpulse3.pcap/ftp-data/2008/04.2	
FileMetadata	Content-Type: application/xml	
Content-Type	application/xml	

Protocol Metadata +/-

	ServerGreeting: mirror NcFTPd Server (free educational license) ready.
ProtocolMetadata	UserName: anonymous
	UserPassword: anonymous@

DHCP

Protocol Metadata +/-

TransactionId: 733305565 DhcpServer: 192.168.100.1 SubnetMask: 255,255,255.0 LeaseTime: 24 hours

ProtocolMetadata Router: 192.168.100.1 DnsServer: 192.168.100.2

DnsServer: 208.67,222,222 DnsServer: 208.67.220.220

DomainName: internal.sendza.com



Forensics Administration – Admin Console

- New Forensics Section in Admin Console
- This will appear in the admin console once forensics license is applied to the QRadar Console





Hands on

Hands on