

Getting Started with Zeek

DISCOVERING ZEEK'S CAPABILITIES



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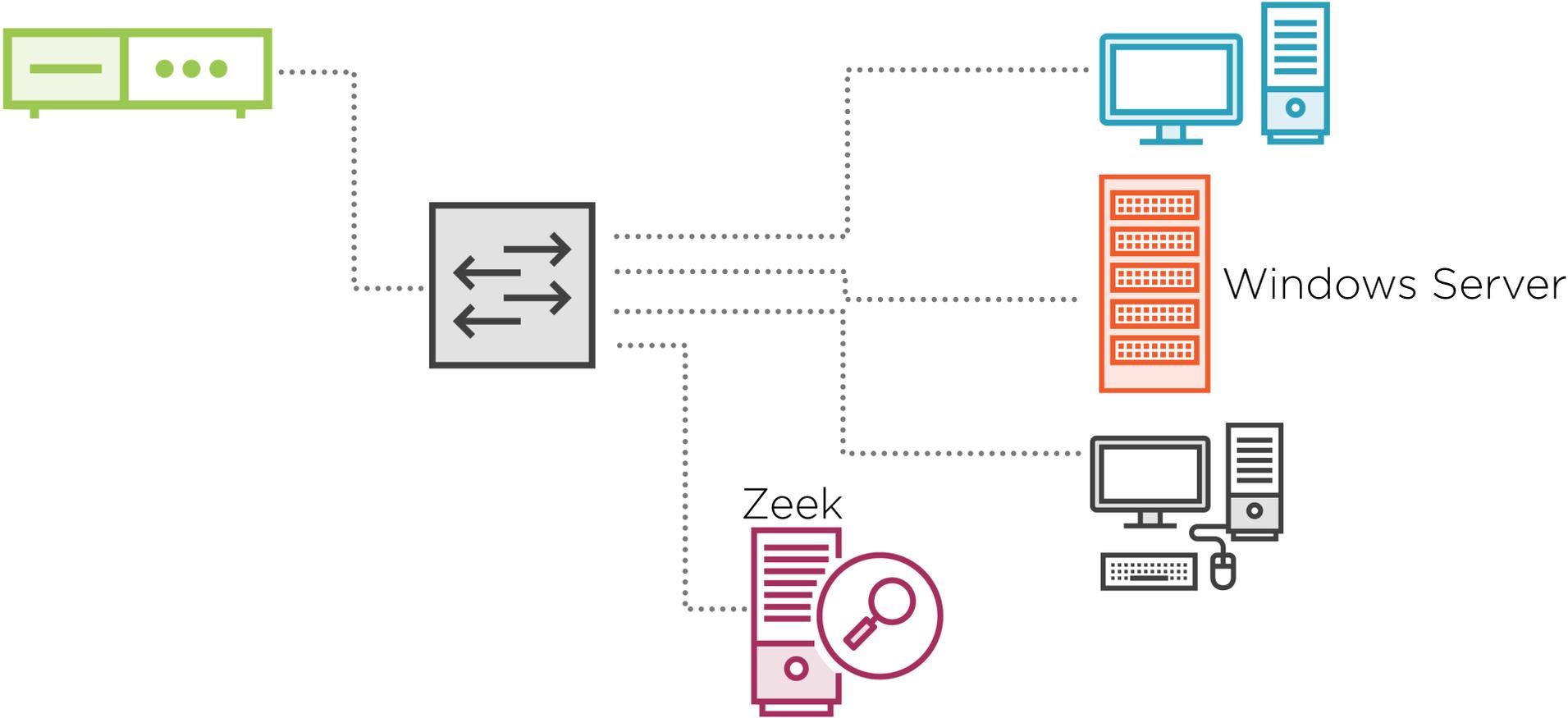
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What is Zeek?

Formerly known as “Bro,” Zeek is an open-source network traffic analyzer inspecting all traffic on a link for signs of suspicious activity.

-Zeek Documentation Library

Globomantics' Network



Globomantics



You work for Globomantics



Improve network performance with open-source tools

Corrected the body again.



You need to learn Zeek so that you can determine its appropriateness and learn how to use it effectively

Overview

Introduction to Zeek

- Features, benefits, uses, history

Using Zeek in the enterprise

- Engine and controlling the tool

Zeek components

- Frameworks, sub components, plugins

Zeek's language

Zeek's outputs and reporting

Course Prerequisites

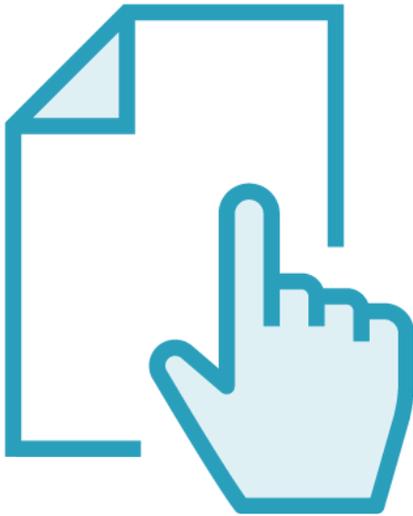
Have good understanding of:

Typical organization
endpoints and devices

Network protocols

Desire to learn Zeek!

How You Can Follow Along

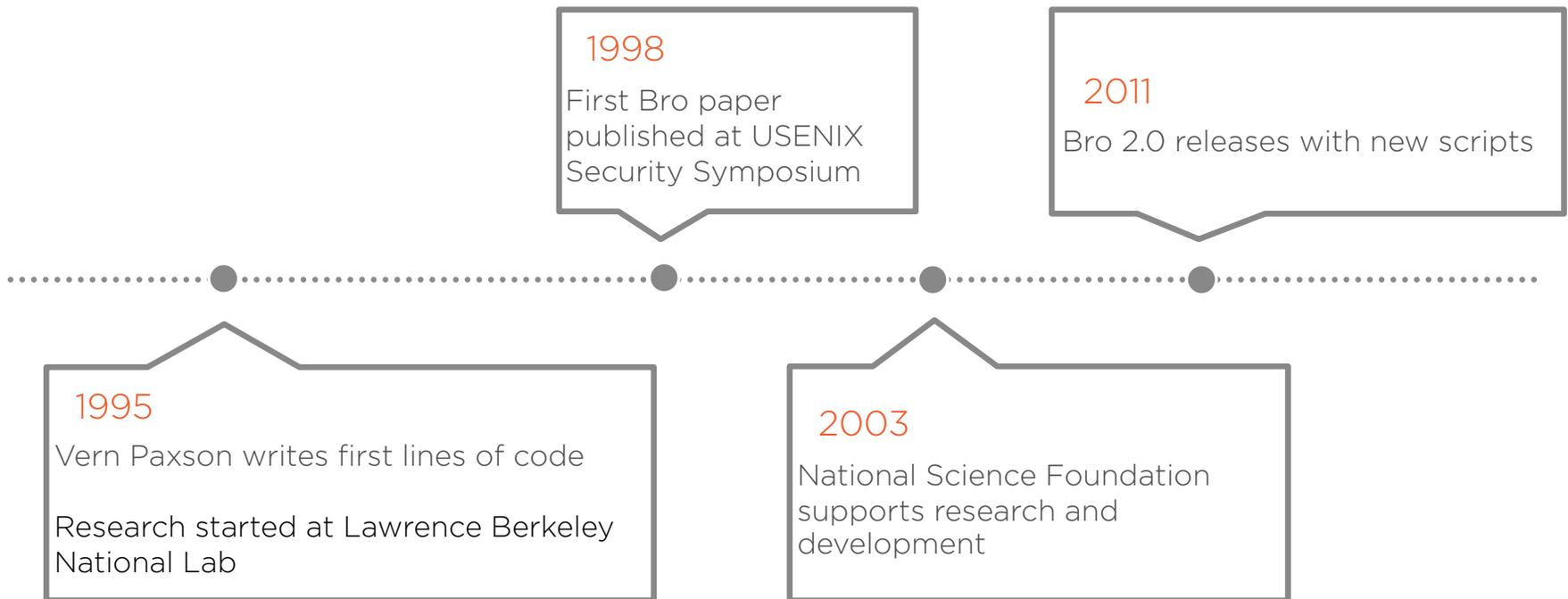


I corrected this slide to better fit with the template. Please keep in mind that the main body of the slide should be Gotham medium. This makes it much easier to read for most learners, especially when printing.

Have operating system capable of
Zeek
traffic from at least one

What Is Zeek?

Short Zeek History



What's up with Zeek?

Uses scripts as its policy engine

Use default or custom scripts

Can install as standalone or cluster

Passive tool!

Looks for protocol behavior, file content,
and much more

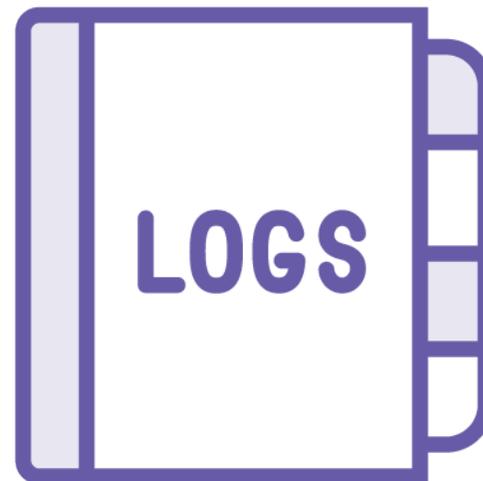
Zeek outputs:

ASCII Logs

JSON

SQLite Databases

External Plugins



Zeek Use Cases

Network Monitoring

Looking at the protocols, files, conversations, and other components of your environment and the functionality of it all.

Zeek's weird.log

List ▾ Format 20 Per Page ▾

i	Time	Event
▼	10/1/19 6:32:53.456 PM	1569979973.456534 CCjYYB2W14MVyY0Ga5 192.168.30.12 9997 192.168.30.8 33334 bad_TCP_checksum
Event Actions ▾		
Type	<input checked="" type="checkbox"/>	Field Value
Selected	<input checked="" type="checkbox"/>	host ▾ 192.168.30.8
	<input checked="" type="checkbox"/>	source ▾ /opt/zeek/logs/current/weird.log
	<input checked="" type="checkbox"/>	sourcetype ▾ weird-too_small
Time ╕		_time ▾ 2019-10-01T18:32:53.456-07:00
Default	<input type="checkbox"/>	index ▾ main
	<input type="checkbox"/>	linecount ▾ 1
	<input type="checkbox"/>	punct ▾ .tt...tt...ttt-tt
	<input type="checkbox"/>	splunk_server ▾ localhost.localdomain

Zeek Documentation:

docs.zeek.org

Summary

Course introduction and overview

What is Zeek?

Zeek demonstration