

# Getting Started with Zeek

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## DISCOVERING ZEEK'S CAPABILITIES



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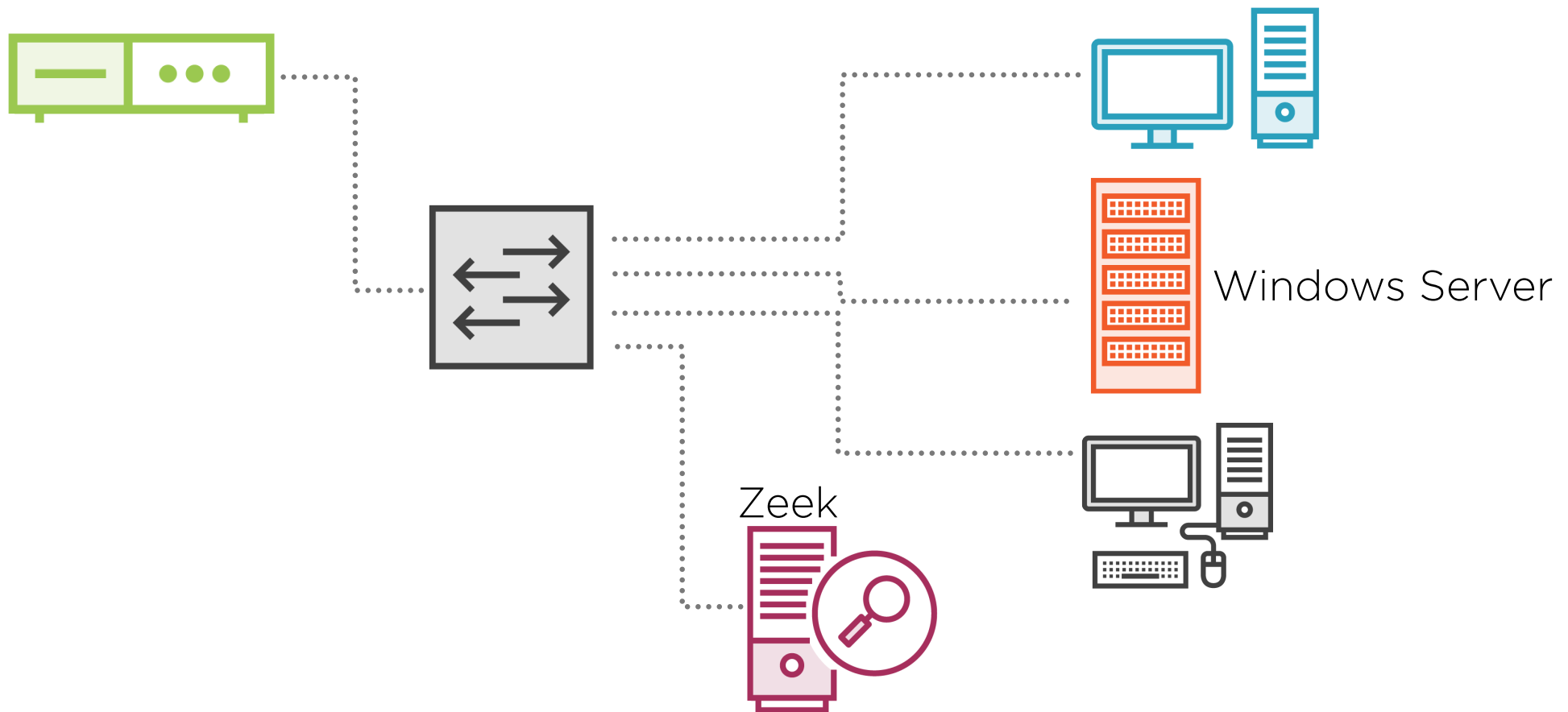
@joeabrah [www.joeabrahamtech.com](http://www.joeabrahamtech.com)

## 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 security by using 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.

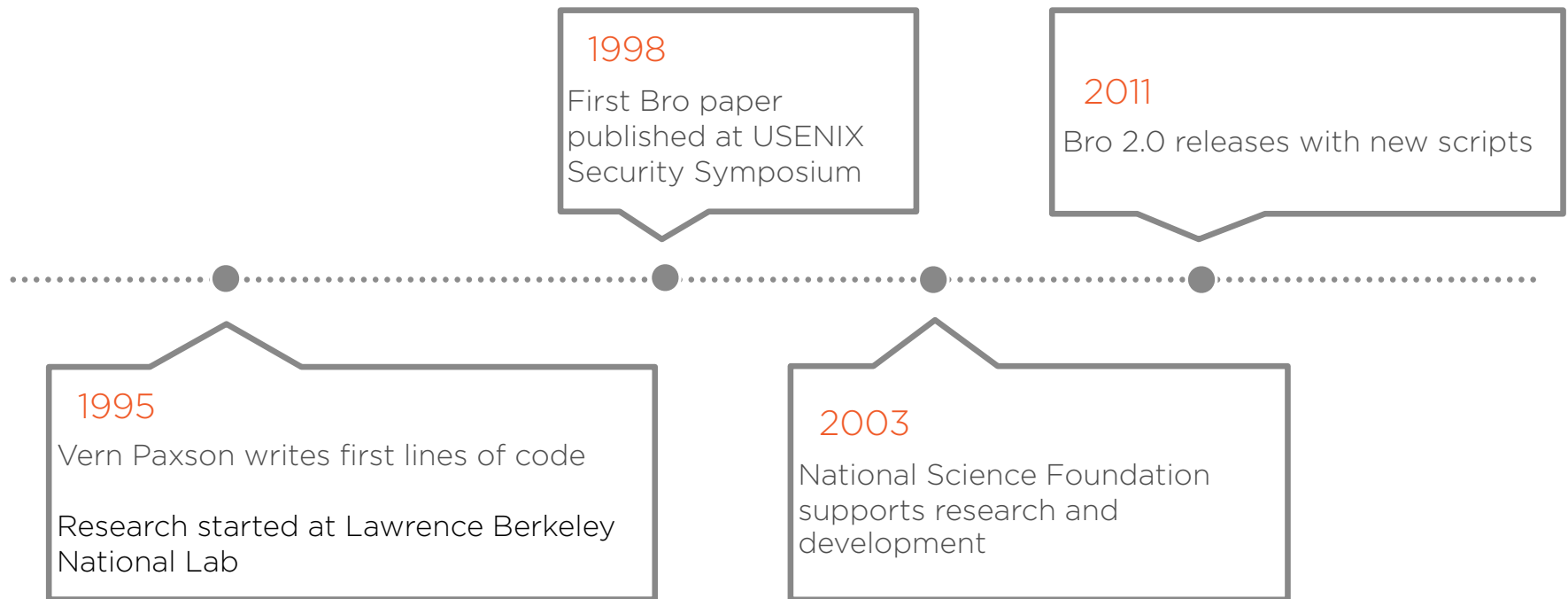
Have operating system capable of  
Zeek  
traffic from at least one

What Is Zeek?

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# 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

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## **Zeek outputs:**

ASCII Logs

JSON

SQLite Databases

External Plugins



# Zeek Use Cases

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# 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 <span>Format</span> 20 Per Page <span></span>								
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 <span></span>								
Type			Field	Value				
Selected			host ▼	192.168.30.8				
			source ▼	/opt/zeek/logs/current/weird.log				
			sourcetype ▼	weird-too_small				
Time ⛶			_time ▼	2019-10-01T18:32:53.456-07:00				
Default			index ▼	main				
			linecount ▼	1				
			punct ▼	.tt...tt...ttt-tt				
			splunk_server ▼	localhost.localdomain				

# **Zeek Documentation:**

[docs.zeek.org](https://docs.zeek.org)

# Summary

**Course introduction and overview**

**What is Zeek?**

**Zeek demonstration**