

EXHIBIT 1

APPENDIX E

US Patent No. 8,141,154

Inspecting Dynamically Generated Executable Code

Claim 1

1a. A system for protecting a computer from dynamically generated malicious content, comprising:

1b. a content processor (i) for processing content received over a network, the content including a call to a first function, and the call including an input, and (ii) for invoking a second function with the input, only if a security computer indicates that such invocation is safe:

1c. a transmitter for transmitting the input to the security computer for inspection, when the first function is invoked; and

1d. a receiver for receiving an indicator from the security computer whether it is safe to invoke the second function with the input.

1a. All Contentions – “A system for protecting a computer...”:

Qualys Accused Products, including Vulnerability Management, Threat Protection, Continuous Monitoring, Indication of Compromise, Container Security, Web App Firewall, Web App Scanning, and Compliance Monitoring provide computer security functionality that will protect against dynamically generated malicious content.



qsc18-day1-03-cloud-platform.pdf at page 15.

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Inspecting Dynamically Generated Executable Code

Claim 1

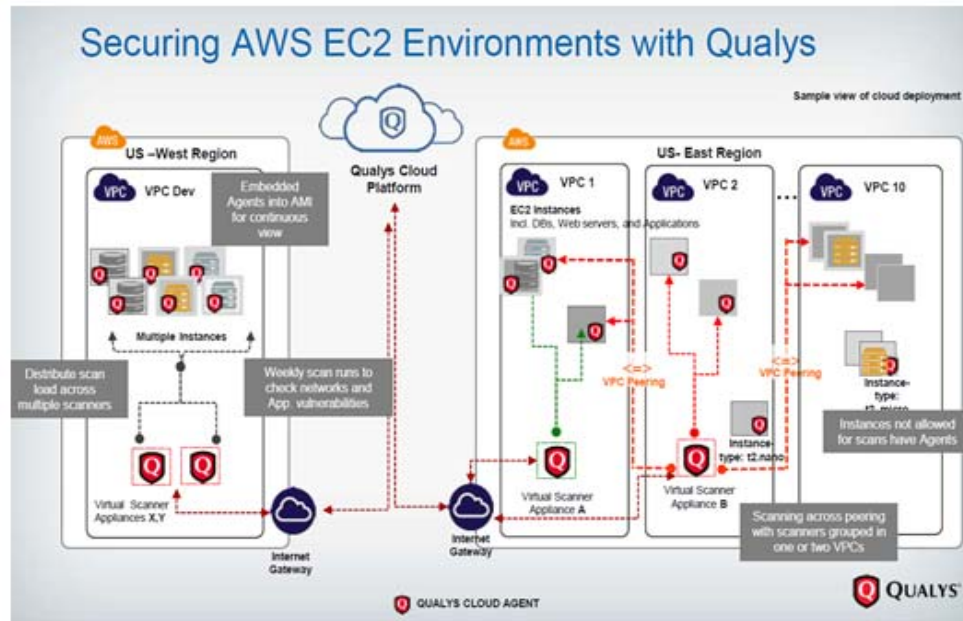
1a. A system for protecting a computer from dynamically generated malicious content, comprising:

1b. a content processor (i) for processing content received over a network, the content including a call to a first function, and the call including an input, and (ii) for invoking a second function with the input, only if a security computer indicates that such invocation is safe:

1c. a transmitter for transmitting the input to the security computer for inspection, when the first function is invoked; and

1d. a receiver for receiving an indicator from the security computer whether it is safe to invoke the second function with the input.

Qualys Accused Products include a content processor that processes downloaded web and email content that they receive to identify function calls that include an input that is suspicious or malicious, and therefore should be submitted to a security computer for emulation / scanning. The emulation/scanning technology can be deployed in different configurations and receives content to process. The content processors will identify the functions that are attempting to download potentially malicious files as an input to those functions or access URLs, and will send the files to be emulated /scanned in the security computer. The security computer will return a verdict on whether the file is safe to be transmitted to the end user according to the returned verdict and security policy. Further explanation of the first and second function and input is provided below.



QualysCloud.pdf at p.29.

US Patent No. 8,141,154

Inspecting Dynamically Generated Executable Code

Claim 1

1a. A system for protecting a computer from dynamically generated malicious content, comprising:

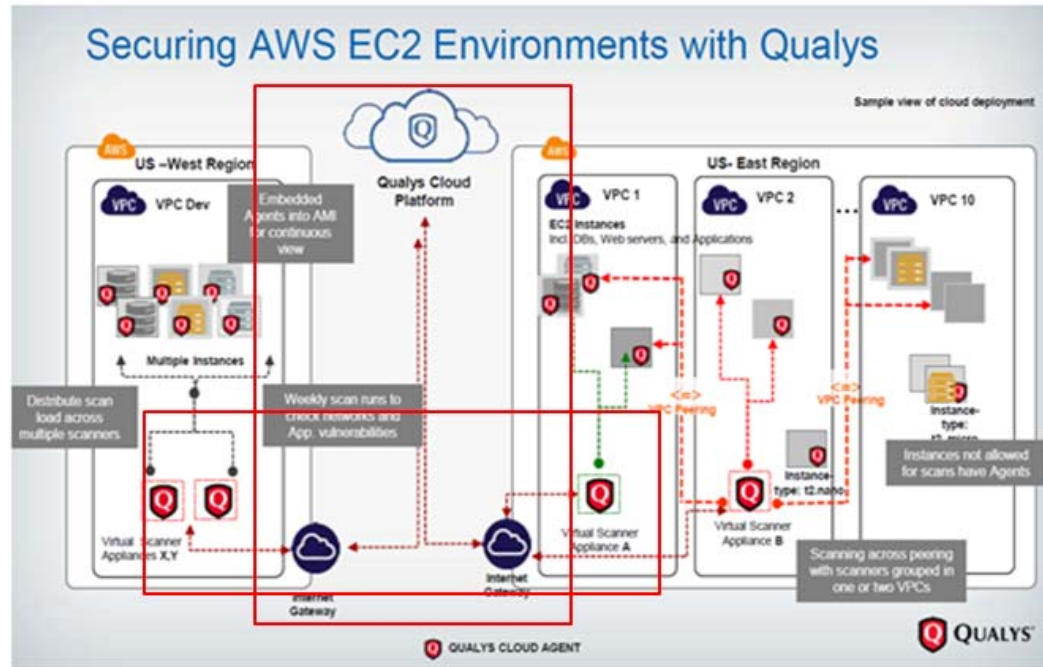
1b. a content processor (i) for processing content received over a network, the content including a call to a first function, and the call including an input, and (ii) for invoking a second function with the input, only if a security computer indicates that such invocation is safe:

1c. a transmitter for transmitting the input to the security computer for inspection, when the first function is invoked; and

1d. a receiver for receiving an indicator from the security computer whether it is safe to invoke the second function with the input.

1b. Contention 1 – Internet Gateway is the Content processor and the Qualys Cloud Platform and/or Virtual Scanner Appliances are the security computers

The Internet Gateway is a processor of content received over a network that includes a call to a function. To determine whether the content is safe to invoke, it transmits the content to a security computer (Qualys Cloud Platform and/or Virtual Scanner Appliances) for inspection and awaits a determination whether invoking functions within that content is safe. The Qualys Cloud Platform and Virtual Scanner Appliances comprise Vulnerability Management, Threat Protection, Continuous Monitoring, Indication of Compromise, Container Security, Web App Firewall, Web App Scanning, and Compliance Monitoring. See analysis for Claim 1a. above.



QualysCloud.pdf at p.29.

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