Model Scenarios

Independent Technical Review of the Carnivore System

This document, which is identical to that contained in Attachment 1 to the RFP, is to be read in conjunction with the Executive Summary. It is posted separately as a convenience to readers of the Executive Summary.

1. When used under court order to capture source and destination information for a user's online communications, does Carnivore collect and preserve only that information? Does it do so without collecting and preserving the contents of the target user's communications, and without collecting and preserving information about the activity of other system users?

Examples:

(a)   A court order authorizes the collection of source and destination information from email sent to or from a specified user. Specifically, the order authorizes the collection of the non-content header fields on email sent to or from the specified user; it does not permit collection of the "Subject:" header or the body of the email traffic.

When configured to collect the authorized information from inbound and outbound email (e.g., SMTP connections to TCP destination port 25), does Carnivore collect and preserve all of the information authorized by the court order, only that information, and not other users' email source/destination information or contents?

(b)   A court order authorizes the collection of source and destination information for Hypertext Transport Protocol activity (i.e., web browsing) by user@isp.com. Specifically, the order authorizes the collection of the Internet Protocol (IP) addresses to which user@isp.com opens an HTTP connection. The order does not authorize the collection of the complete Uniform Resource Locator (URL) portion of the browsing activity.

In addition, user@isp.com connects to his provider via telephone dialup, and for each login session the provider's RADIUS server dynamically assigns user an IP address.

When configured to work with the RADIUS server to collect the authorized information from inbound and outbound HTTP traffic (i.e., connections to TCP port 80 on other sites), does Carnivore collect and preserve all of the information authorized by the court order, only that information, and not other users' web browsing source/destination information or contents?

(c)   A court order authorizes the collection of source and destination information for File Transfer Protocol (FTP) activity by user@isp.com. Specifically, the order authorizes the collection of the Internet Protocol (IP) addresses to which user@isp.com opens an FTP connection.

In addition, user@isp.com connects to his provider via telephone dialup, and for each login session the provider's RADIUS server dynamically assigns user an IP address.

When configured to work with the RADIUS server to collect the authorized information from inbound and outbound FTP traffic (i.e., connections to TCP ports 20 and 21 on other sites), does Carnivore collect and preserve all of the information authorized by the court order, only that information, and not other users' FTP source/destination information or contents?

2. When used under court order to capture the contents of a user's online communications, does Carnivore collect and preserve only that information? Does it do so without collecting and preserving the contents of (or other information concerning) the communications of other system users?

Examples:

(a)   A court order authorizes the interception of the contents of email sent to or from a specified user. When configured to collect the authorized information from inbound and outbound email (e.g., SMTP connections to TCP destination port 25), does Carnivore collect and preserve all of the authorized information, only that information, and not other users' communications?

(b)   A court order authorizes the interception of the contents of communications to or from user@isp.com, who has a fixed IP address. Specifically, the order authorizes the interception of all network communications to or from the target user's IP address.

When configured to collect the authorized information, does Carnivore collect and preserve all of the authorized information, only that information, and not other users' communications?