

CLAIMS

1. In a network security system implemented in a computer or electronic device, coupled to secured online resources for detecting unauthorized accesses of those secured online resources, a method comprising:

monitoring a user activity session; and

determining if the user activity session is indicative of a hidden session by an attacker, wherein determining includes comparing the user activity session to an average user activity session;

wherein the method further comprises collecting average parameter values during a data collection period;

wherein the average parameter values include an average time between clicks for an average session, wherein determining includes comparing user time between clicks for the user activity session to the average time between clicks for the average session; and

wherein the average parameter values further include a website page view order in the average session, wherein determining further includes comparing website page view order for the user activity session with the website page view order in the average session.

2. A method as in claim 1, wherein the average parameter values include an average time between clicks for a specified page, wherein determining includes comparing the time between clicks for the specified page during the user activity session to the average time between clicks for the specified page.

3. The method of claim 2 further comprising synchronizing transaction records.

4. The method of claim 3 wherein synchronizing transaction records includes correcting for errant clock settings among all active clients using a website during a data collection period.

5. The method of claim 3 wherein synchronizing transaction records includes adjusting for transmission time between clients and servers.

6. The method of claim 3 wherein synchronizing transaction records includes adjusting for client service load time.

CLAIMS

1. In a network security system implemented in a computer or electronic device, coupled to secured online resources for detecting unauthorized accesses of those secured online resources, a method comprising:
 - monitoring a user activity session; and
 - determining if the user activity session is indicative of a hidden session by an attacker, wherein determining includes comparing the user activity session to an average user activity session;
 - wherein the method further comprises collecting average parameter values during a data collection period;
 - wherein the average parameter values include an average time between clicks for an average session, wherein determining includes comparing user time between clicks for the user activity session to the average time between clicks for the average session; and
 - wherein the average parameter values further include a website page view order in the average session, wherein determining further includes comparing website page view order for the user activity session with the website page view order in the average session.
2. A method as in claim 1, wherein the average parameter values include an average time between clicks for a specified page, wherein determining includes comparing the time between clicks for the specified page during the user activity session to the average time between clicks for the specified page.
3. The method of claim 2 further comprising synchronizing transaction records.
4. The method of claim 3 wherein synchronizing transaction records includes correcting for errant clock settings among all active clients using a website during a data collection period.
5. The method of claim 3 wherein synchronizing transaction records includes adjusting for transmission time between clients and servers.
6. The method of claim 3 wherein synchronizing transaction records includes adjusting for client service load time.