



**FIRST QUARTER CYBERSECURITY  
SECTOR STATISTICS REPORT FOR THE  
FINANCIAL YEAR 2019/2020  
(JULY - SEPTEMBER 2019)**

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## **LIST OF ACRONYMS**

DDoS - Distributed Denial-of-Service

KE-CIRT/CC - National Kenya Computer Incident Response Team/Coordination Centre

# 1 NATIONAL CYBER THREAT LANDSCAPE

## 1.1 Cyber Threats Statistics

The National KE-CIRT/CC has deployed various cyber threat detection systems towards enhancing Kenya’s national cyber security readiness and resilience. During the period July - September 2019, the National KE-CIRT/CC detected 25.2-million cyber threat events as compared to 26.6 million cyber threat events detected in the period April – June 2019. This was a 5.2 percent decrease attributed to a huge reduction in DDoS/Botnet attacks as a result of proactive action taken, as demonstrated by increased number of cyber threat advisories issued during the quarter.

**Table 1: Cyber Threats Detected**

<i>Cyber Threat</i>	<i>Jul-Sep 19</i>	<i>Apr-Jun 19</i>	<i>Quarterly Variation (%)</i>
<b>Totals</b>	<b>25,211,269</b>	<b>26,604,202</b>	<b>-5.2</b>
<i>Malware</i>	20,540,231	21,137,458	-2.8
<i>DDOS/Botnet</i>	573,421	2,353,460	-75.6
<i>Web Application Attacks</i>	4,069,671	3,084,687	31.9
<i>System vulnerabilities</i>	27,946	28,597	-2.3

*Source: National KE-CIRT/CC*

As the trusted national point of contact on cyber security matters, the National KE-CIRT/CC analyzed the cyber threat events and issued cyber threat advisories to the affected critical information infrastructure service providers. During the quarter under review, the National KE- CIRT/CC issued 17,127 advisories, which is a 4.8 percent increase from the 16,347 advisories sent out in the previous period of April - June 2019.

**Table 2: Cyber Threats Advisories**

<i>Cyber Threat Advisories</i>	<i>Jul-Sep 19</i>	<i>Apr-Jun 19</i>	<i>Quarterly Variation (%)</i>
<b>Totals</b>	<b>17,127</b>	<b>16,347</b>	<b>4.8</b>
<i>Malware</i>	2,160	1,586	36.2
<i>Botnet</i>	318	88	261.4
<i>Web Application Attacks</i>	291	387	-24.8
<i>System Vulnerabilities</i>	13,897	13,754	1.0
<i>Others</i>	461	532	-13.3

*Source: National KE-CIRT/CC*