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(57) Abstract :

A system (100) to detect a malicious Uniform Resource Identifier (URI) and route the malicious URLs to a sinkhole server is provide. The system includes a processor configured to receive a uniform resource locator (URL) (102-1, 102-2, 102-3, ..., 102-N); extract features associated with the URL, the features including a distinct domain link ratio that compares a number of unique domains that link to the received URL to a total number of incoming links that link to the received URL; employ a binary classification model to determine that the URL is a malicious URL based at least in part on the extracted features; and route, if the malicious URL is determined, the URL to the sinkhole server.

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