

# Rapidly Deployed Cyber Attack Bait Based on Software Defined Network Corresponding to Artificial Intelligence Strategy

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**Abstract**— *To protect the services and data of the main servers, Rapidly Deployed Cyber Attack Bait is proposed for the unpredictable cybersecurity attack in this research. Based on Software Defined Network, the data packet and operation of cybersecurity attack could be redirected to the on demand deployed bait container. By suitable artificial intelligence strategy, the idle bait containers corresponding to the type of cybersecurity attack can be on demand deployed automatically and rapidly. Verification shows the feasibility of the virtualized bait container could be about 1.16 times to 2 times enough for the future coming attacker and also record the all operations of the cybersecurity attack individually.*

**Keywords**— cybersecurity, bait, Software Defined Network, Artificial Intelligence, container



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