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RESEARCH ARTICLE

Secure Platform for Wireless Sensor Network

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Abstract— A mesh, ADHOC and MANET networks can be used in several cases. In this paper we try to focus on two routing protocols in ADHOC in order to use one in real cases and without too much difficulty in implementation and securing. In this order we start by introducing the two routing protocols, then we create a mesh network using one of them as routing protocol with laptops, android, ARM based computer and smart phones as end-devices, then we implement a passive and active attack in order to collect data exchanged between nodes then we secure the communications with virtual private network tunneling and connect the end devices to the cloud.

Keywords— AODV; OLSR; ADHOC

Full Text: <http://www.ijcsmc.com/docs/papers/March2014/V3I3201499a77.pdf>