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DHS Warns Companies Targeted on Dark Web

Criminals on the dark web have a growing appetite for hacking into corporate applications, a new alert from the Department of Homeland Security says. DHS this week pointed to research from cybersecurity firms Onapsis and Digital Shadows that shows cybercriminals targeting so-called Enterprise Resource Planning (ERP) applications, which typically hold a company's most sensitive data and critical business processes. DHS noticed this in May 2016 when it issued an alert [link] that 36 global organizations were the target of hacks. "This alert was, however, only the tip of the iceberg, as threat actors have continued to evolve since then and expanded their ERP attack vectors," a report [link] this month from Onapsis/Digital Shadows says. Applications that get particular attention from cybercriminals are those from Walldorf, Germany-based SAP and Redwood Shores, Calif.-based Oracle. Using these vulnerabilities "attackers can get full access to all information" stored in an application, Juan Pablo Perez-Etchegoyen, CTO of Onapsis, told Fox News in an email. Recently, there has been a "dramatic increase" in interest to hack into SAP applications on dark web and cybercriminal forums, the report added. "We analyzed the last 5 years. There has been a consistent number of campaigns through all 5 years and we have seen examples as early as April this year as well," Onapsis' Perez-Etchegoyen told Fox News. That includes the exchange of detailed information on SAP hacking at a criminal forum. In addition to criminal forums, exploits are traded in dark web marketplaces or at dedicated exploit sites. "Analyzing one of these sites, '0day.today,' we identified approximately 50 exploits for SAP products and 30 for the Oracle EBS technology stack". Both SAP and Oracle say they take security very

seriously and urge customers to install fixes. The report goes on to say that Onapsis and Digital Shadows have observed a "100 percent increase" in public exploits targeting SAP and Oracle ERP applications during the last three years. This jumped to 160 percent from 2016 to 2017.