

increase in unauthorized login attempts into the Apple iCloud^{hhhh} account likely associated with Clinton's e-mail addressⁱⁱⁱⁱ during this time period. Investigation determined all potentially suspicious Apple iCloud login attempts were unsuccessful.⁵³⁸ Additionally, PRN made various network changes to the PRN Server around March 7, 2015, to include disabling the server's public-facing VPN page and switching from SSL protocol to TLS to increase security.⁵³⁹ Staff also discussed the possibility of conducting penetration testingⁱⁱⁱ against the PRN Server to highlight vulnerabilities in the network.⁵⁴⁰ The FBI interviewed an employee of the company with which PRN had discussed the issue. The employee stated that the topic was broached but that penetration testing against the PRN Server, ultimately, did not happen.⁵⁴¹

B. (U//~~FOUO~~) Cyber Analysis of Clinton's Mobile Devices

(U//~~FOUO~~) The FBI does not have in its possession any of Clinton's 13 mobile devices which potentially were used to send e-mails using Clinton's clintonemail.com e-mail addresses. As a result, the FBI could not make a determination as to whether any of the devices were subject to compromise. Similarly, the FBI does not have in its possession two of the five iPad devices which potentially were used by Clinton to send and receive e-mails during her tenure.^{542, 543, 544, 545} The FBI forensically examined two of the three iPads^{kkkk} it obtained and found no evidence of cyber intrusion.⁵⁴⁶

C. (U//~~FOUO~~) Cyber Targeting of Clinton's Personal E-mail and Associated Accounts

(S//~~OC/NF~~) Investigation identified multiple occurrences of phishing and/or spear-phishing e-mails sent to Clinton's account during her tenure as Secretary of State.⁵⁴⁷ [REDACTED]

b1
b3
b6
b7C

(S//~~OC/NF~~) Clinton received another phishing e-mail, purportedly sent from the personal e-mail account of a State official. [REDACTED] The e-mail contained a potentially malicious link.⁵⁵² Clinton replied to the e-mail [REDACTED] stating, "Is this really from you? I was worried about opening it!"⁵⁵³ [REDACTED]
In a separate incident [REDACTED] Abedin sent an e-mail to [REDACTED] indicating Clinton was

b1
b3
b6
b7C

^{hhhh} (U//~~FOUO~~) Apple iCloud is a cloud storage medium available to users of Apple products. Clinton is known to have used Apple iPads during the course of her tenure, and hdr22@clintonemail.com was likely used as her AppleID to set up a new Apple device.

ⁱⁱⁱⁱ (U//~~FOUO~~) While the NYT article did not reveal Clinton's e-mail address—and by default the domain name—it is very likely those who tried to gain access to the related Apple iCloud account searched for and found the e-mail address in open sources. News articles from 2013 contained a screenshot of Blumenthal's communication with "hdr22," thereby divulging Clinton's e-mail alias. Other outlets mentioned the domain name in articles but withheld Clinton's e-mail alias. Clinton's full e-mail address could therefore have been ascertained through piecing together various sources.

ⁱⁱⁱ (U) Penetration testing, more commonly known as pentesting, is the practice of testing a computer system, network, or web application to find vulnerabilities that an attacker could exploit.

^{kkkk} (U//~~FOUO~~) The third iPad the FBI obtained was not actually used by Clinton. Shortly after it was purchased, it was given as a gift to a member of her staff, and therefore the FBI did not forensically examine the device.

^{lll} (U) RAT is a piece of software that facilitates remote operation of a computer system.