

(U//~~FOUO~~) As part of the PRN Server environment, [REDACTED] told the FBI that he configured a backup device from Connecticut-based company Datto, Inc. (Datto), a Datto SIRIS 2000,<sup>r</sup> to take multiple snapshots of the server system daily, with a retention period of 60 days.<sup>93</sup> The backup device also made multiple copies of the Pagliano Server between June 24, 2013 and December 23, 2013.<sup>94</sup> At the Clintons' request, PRN only intended that the backup device store local copies of the backups.<sup>95,96</sup> However, in August 2015, Datto informed PRN that, due to a technical oversight, the PRN Server was also backing up the server to Datto's secure cloud storage.<sup>97,98</sup> After this notification, PRN instructed Datto to discontinue the secure cloud backups.<sup>99,100</sup>

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(U//~~FOUO~~) [REDACTED] stated the Clintons originally requested that e-mail on the PRN Server be encrypted such that no one but the users could read the content.<sup>101</sup> However, PRN ultimately did not configure the e-mail settings this way to allow system administrators to troubleshoot problems occurring within user accounts.<sup>102</sup>

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(U//~~FOUO~~) PRN utilized an Intrusion Detection System (IDS)/Intrusion Prevention System (IPS) called CloudJacket from SECNAP Network Security.<sup>103</sup> The IDS/IPS device implemented by PRN had pre-configured settings that blocked or blacklisted certain e-mail traffic identified as potentially harmful and provided real-time monitoring, alerting, and incident response services.<sup>104,105</sup> SECNAP personnel would receive notifications when certain activity on the network triggered an alert.<sup>106</sup> These notifications were reviewed by SECNAP personnel and, at times, additional follow-up was conducted with PRN in order to ascertain whether specific activity on the network was normal or anomalous.<sup>107</sup> Occasionally, SECNAP would send e-mail notifications to [REDACTED] prompting him to block certain IP addresses.<sup>108</sup> [REDACTED] described these notifications as normal and did not recall any serious security incident or intrusion attempt.<sup>109</sup> PRN also implemented two firewalls for additional protection of the network. [REDACTED] stated that he put two firewalls in place for redundancy in case one went down.<sup>110</sup>

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(U//~~FOUO~~) According to the FBI's forensic analysis of the server system, on December 3, 2013, Microsoft Exchange was uninstalled on the Pagliano Server.<sup>111</sup> The Pagliano Server remained in the same server cage at the Equinix datacenter in Secaucus, New Jersey, and a forensic review of the server, which was obtained in August 2015 via consent provided by Clinton through Williams & Connolly, indicated that it continued to be powered on and off multiple times before the FBI obtained it.<sup>112</sup> At the time of the FBI's acquisition of the Pagliano Server, Williams & Connolly did not advise the US Government (USG) of the existence of the additional equipment associated with the Pagliano Server, or that Clinton's clintonemail.com e-mails had been migrated to the successor PRN Server remaining at Equinix. The FBI's subsequent investigation identified this additional equipment and revealed the e-mail migration. As a result, on October 3, 2015, the FBI obtained, via consent provided by Clinton through Williams & Connolly, both the remaining Pagliano Server equipment and the PRN Server, which had remained operational and was hosting Clinton's personal e-mail account until it was disconnected and produced to the FBI.<sup>113,114,115,116</sup>

<sup>r</sup> (U) The Datto SIRIS 2000 is a device that provides back-up capability and data redundancy.