EXHIBIT 4

Analysis of Infringement of U.S. Patent No. 6,574,239 by Capital One Financial Corpora
(Based on Public Information Only)

Communication Interface Technologies, LLC ("CIT") provides this preliminary and exemplary infringement ana infringement of U.S. Patent No. 6,574,239, entitled *Virtual Connection of a Remote Unit to a Server* ("the '239 patent") Corporation ("Capital One"). The following chart illustrates an exemplary analysis regarding infringement by Capital C device application(s) including the Capital One Mobile App, the Capital One CreditWise App, Capital One T&Easy app Mobile app, and the Capital One Mobile app for Apple Watch, along with any hardware and/or software for provisionin application (collectively, the "Accused Instrumentalities"). Upon information and belief, the exemplary version herein a Accused Instrumentalities distributed prior to expiration of the patents-in-suit operated materially in the same manner.

The analysis set forth below is based only upon information from publically available resources regarding the Ac Capital One has not yet provided any non-public information.

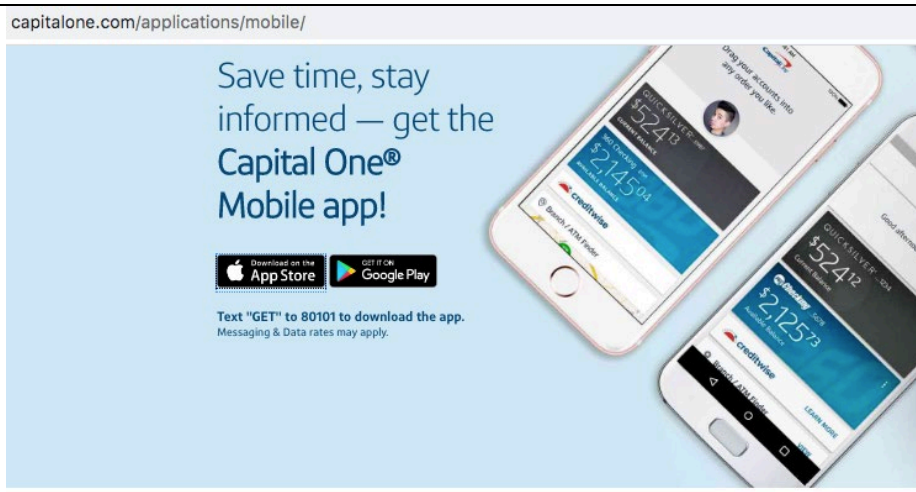
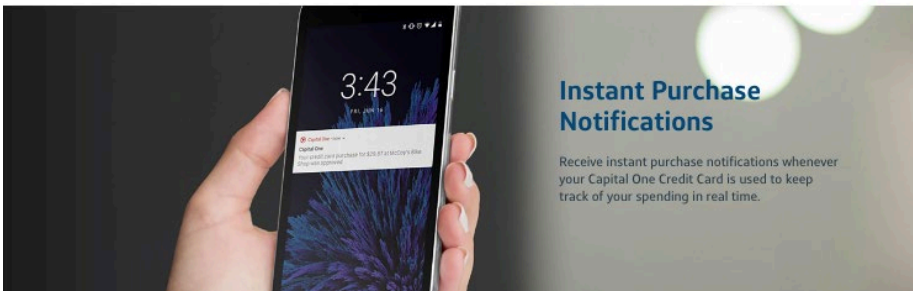
Unless otherwise noted, CIT contends that Capital One directly infringes the '239 patent in violation of 35 U.S.C offering to sell, making, using, and/or importing the Accused Instrumentalities. The following exemplary analysis demo

Unless otherwise noted, CIT believes and contends that each element of each claim asserted herein is literally me provision of the Accused Instrumentalities. However, to the extent that Capital One attempts to allege that any asserted met, CIT believes and contends that such elements are met under the doctrine of equivalents. More specifically, in its in the Accused Instrumentalities, CIT did not identify any substantial differences between the elements of the patent claims features of the Accused Instrumentalities, as set forth herein. In each instance, the identified feature of the Accused Inst least substantially the same function in substantially the same way to achieve substantially the same result as the corresp

CIT notes that the present claim chart and analysis are necessarily preliminary in that CIT has not obtained subst One nor has Capital One disclosed any detailed analysis for its non-infringement position, if any. Further, CIT does not construction or expert discovery. CIT reserves the right to supplement and/or amend the positions taken in this prelimin infringement analysis, including with respect to literal infringement and infringement under the doctrine of equivalents, further information obtained by CIT, including but not limited to information adduced through information exchanges b discovery, claim construction, expert discovery, and/or further analysis.

	Claim 7	**Capital One Mobile App Service**
7	For use in controlling a virtual session on a server, a method comprising:	A method is specified for controlling a virtual session on a server. The session is described section 7a below.
7a	establishing a virtual session with a remote unit, the virtual session being instantiated to support at least one application layer program;	Wireless push notification messages are sent over Transport Layer Secu the remote server and the client side application establish a separate TL client-server communications. For example, a Capital One server estab Capital One application program (application layer program) running o tablet (remote unit). TLS session use a full handshake sequence that is used to establish con abbreviated handshake sequence that is used to resume the TLS session dormant state to an active state whereby new payload data can be sent again. *See* Endnote #2 for a discussion of the virtual session aspects of TLS. *See* Endnote #5 for a discussion of Wireless push email services such a wireless push notification packets from a Gmail server. *See* Endnote #2 for a discussion of how wireless push notification servi Security (TLS) connections that constitute virtual sessions implemente below the application layer. Mobile applications communicate with their application server via TLS connections are established at the time the app is installed or launched time using a session token. *See* Endnote#2 for a discussion of TLS. *https://www.ibm.com/support/knowledgecenter/en/SSHS8R_8.0.0/com._enforce_TLS.html* "From iOS 9, Transport Layer Security (TLS) protocol version 1.2 mus

		"Apple App Transport Security (ATS) is a new feature of iOS 9 that en connections between the app and the server. By default, this feature enf requirements that improve security. These include client-side HTTPS r certificates and connection ciphers that conform to Transport Layer Sec using forward secrecy." *See https://www.icir.org/johanna/papers/conext17android.pdf* - Andro secure connections between client app and server are ubiquitously used *See https://developer.android.com/training/articles/security-ssl* – "The (SSL)—now technically known as Transport Layer Security (TLS)—is for encrypted communications between clients and servers." The Capital One application and the Capital One server communicate c to provide secure communications between the client app and the serve *See https://datatracker.ietf.org/doc/rfc5077/* - Note that session resump does not appear to have been available in SSL and earlier versions, esp November of 1998.
7b	placing the virtual session in an inactive state;	*See* Endnote #2. Note when the application data phase is finished, the s the inactive state. Hence the end of application data marker is the signa into the inactive state.
7c	sending a signal indicative of an incoming communication request and an application-program identifying packet to said remote unit, said application-program identifying packet identifying an application program that needs to resume a virtual session and communicate with said remote unit; and	Capital One server causes a push notification message (incoming comm Capital One application running on the user's smartphone or tablet dev In the Capital One application, for example, a push notification contain purchase notifications, etc. *See https://www.capitalone.com/applications/mobile/*

		  The Capital One server and the Capital One application will resume a T server and the remote unit can resume communications. To do so the a invoke a protocol stack within the remote unit to communicate back to unit. *See* Endnote #1 and #2 for a discussion of how each new set of data pay Capital One application includes an app-specific device token. The ap indicative of the Capital One application running on the user's smartph incoming wireless Internet Protocol packet that contains the app-specif to an application-program identifying packet.
7d	placing the virtual session back into the	The Capital One server sends a push notification message to the Capita

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