Claims:

1. A data delivery system, comprising:

a multi-tiered content delivery network having an origin server at a first tier, ~~a~~ one or more mid servers at a second tier connected to the origin server and a plurality of edge servers at a third tier connected to the one or more mid servers and a plurality of computing devices that make requests to the content delivery network using a cellular data connection and a WiFi connection;

wherein each edge server has a processor and memory is intermittently connected to the multi-tiered content delivery network and a particular edge server is physically located in a place of interest, which is characterized by a specific user demographics and service access patterns, so that the processor of the particular edge server caches content based on the user demographics and service access patterns associated with the place of interest, operates with and without connectivity to the multi-tiered content delivery network and performs machine learning to generate a list of content based on user demographics and service access patterns associated with the place of interest; and

wherein each edge server uses a hybrid push and pull content model in which each edge server pulls content from the content delivery network for the place of interest and pushes the content, when requested by each computing device, to that computing device with and without access to the Internet.

2. The system of claim 1, wherein at least one of the plurality of edge servers is a static edge server that has a Wi-Fi interface and a wired, high speed connection to the one or more mid servers and/or wherein at least one of the plurality of edge servers is the mobile edge server that connects to one of a static edge server over a Wi-Fi SSID for high speed communications and also connects to the multi-tiered content delivery network infrastructure over a wireless data network.

3. The system of claim 2, wherein each edge server has an attached WiFi circuit covering the place of interest configured to deliver the content hosted by the edge server to a user at the place of interest over a Local Area Network (LAN) and/or wherein each server further performs one or more of the following processes: generating security keys, generating ad tags and

generating API responses and/or wherein each edge server is always one hop away from the computing device thereby providing a faster data delivery and facilitating better user experience.

4. The system of claim 1, wherein the multi-tiered content delivery network uses a dedicated last mile that is not shared with other services running on the Internet, thereby providing a faster data delivery and facilitating better user experience and/or wherein each edge server enables a user that doesn't have access to internet last mile (one of cellular data or Wi-Fi) to experience a digital service, although with certain limited functionality when the edge server is connected to the multi-tiered content delivery network infrastructure.

5. The system of claim 1, wherein each chunk of data transferred from each edge server does not add load on the Internet infrastructure or the Internet last mile thereby freeing up bandwidth on the existing Internet infrastructure.

6. A method for accessing digital data, comprising:

providing a multi-tiered content delivery network having an origin server at a first tier, ~~a~~ one or more mid servers at a second tier connected to the origin server and a plurality of edge servers at a third tier connected to the one or more mid servers and a plurality of computing devices that make requests to the content delivery network using a cellular data connection and a WiFi connection, wherein each edge server has a processor and memory is intermittently connected to the multi-tiered content delivery network and a particular edge server is physically located in a place of interest, which is characterized by a specific user demographics and service access patterns so that the processor of the particular edge server caches content based on user demographics and service access patterns associated with the place of interest;

obtaining, by each edge server, a plurality of pieces of content from the higher level tiers of the multi-tiered content delivery network for the place of interest associated with each edge server; and

performing a hybrid push and pull content delivery model in which each edge server pulls content from the content delivery network for the place of interest and pushes the content with and without access to the multi-tiered content delivery network, when requested by each computing device, to that computing device with and without access to the Internet; and

performing, at each edge server, machine learning to generate a list of content based on user demographics and service access patterns associated with the place of interest and caching, at each server, the content in the generated list of content by pulling the pieces of content on the generated content list from the content delivery network for the place of interest.

7. The method of claim 6, wherein the plurality of the edge servers is a static edge server that has a Wi-Fi interface and a wired, high speed connection to the one or more mid servers.

8. The method of claim 7, wherein the plurality of the edge servers may further comprise a mobile edge server that connects to the static edge server over a Wi-Fi SSID for high speed communications and also connects to the multi-tiered content delivery network infrastructure over a cellular data network or other wireless means.

9. The method of claim 8, further comprising covering, by each edge server having an attached WiFi circuit, the place of interest configured to deliver the content hosted by the edge server to a user at the place of interest over a Local Area Network (LAN).

10. The method of claim 9, wherein each edge server further performs one or more the following processes: generating security keys, generating ad tags and generating API responses.

11. The method of claim 10, wherein each edge server is always one hop away from the computing device thereby providing a faster data delivery and facilitating better user experience.

12. The method of claim 11, wherein the multi-tiered content delivery network uses a dedicated last mile that is not shared with other services running on the Internet, thereby providing a faster data delivery and facilitating better user experience.

13. The method of claim 12, wherein each edge server enables a user that doesn’t have access to the internet least mile (one of cellular data or Wi-Fi) to experience a full functionality of a digital service when the edge server is connected to the multi-tiered content delivery network infrastructure.

14. The method of claim 13, wherein each edge server enables a user that doesn’t have access to the internet least mile (one of cellular data or Wi-Fi) to experience a digital service, although with certain limited functionality when the edge server is not connected to the multi-tiered content delivery network infrastructure.

15. The method of claim 14, wherein each chunk of data transferred from each edge server does not add load to the internet infrastructure or the internet last mile, thereby freeing up bandwidth on the existing internet infrastructure.