Claims:

1. A data delivery system, comprising:

a multi-tiered content delivery network having an origin server at a first tier, a mid server at a second tier connected to the origin server and edge servers at a third tier connected to the mid server and 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 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; 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 edge servers is a static edge server that has a Wi-Fi interface and a wired, high speed connection to the mid server.

3. The system of claim 2, wherein at least one of the edge servers is 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 wireless data network.

4. The system of claim 1, 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).

5. The system of claim 1, wherein each edge server generates security keys, generates ad tags and generates API responses.

6. The system of claim 5, wherein each edge server is always connected to the computing device thereby providing a faster data delivery and facilitating better user experience.

7. The system of claim 6, 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.

8. The system of claim 1, wherein each edge server enables a user without an Internet connection to experience a full functionality of a digital service from content served by the edge server when the edge server is connected to the multi-tiered content delivery network.

9. The system of claim 1, wherein each edge server enables a user without an Internet connection to experience a limited functionality digital service when the edge server is not connected to the multi-tiered content delivery network.

10. The system of claim 1, wherein each chunk of data of the content transferred from each edge server to the computing device does not add load on the Internet.

11. A method for accessing digital data, comprising:

providing a multi-tiered content delivery network having an origin server at a first tier, a mid server at a second tier connected to the origin server and edge servers at a third tier connected to the mid server and 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 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, when requested by each computing device, to that computing device with and without access to the Internet.

12. The method of claim 11, wherein at least one of the edge servers is a static edge server that has a Wi-Fi interface and a wired, high speed connection to the mid server.

13. The method of claim 12, wherein at least one of the edge servers is 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 wireless data network.

14. The method of claim 12 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).

15. The method of claim 11, wherein each edge server generates security keys, generates ad tags and generates API responses.

16. The method of claim 15, wherein each edge server is always connected to the computing device thereby providing a faster data delivery and facilitating better user experience.

17. The method of claim 16, 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.

18. The method of claim 17, wherein each edge server enables a user without an Internet connection to experience a full functionality of a digital service from content served by the edge server when the edge server is connected to the multi-tiered content delivery network.

19. The method of claim 18, wherein each edge server enables a user without an Internet connection to experience a limited functionality digital service when the edge server is not connected to the multi-tiered content delivery network.

20. The method of claim 19, wherein each chunk of data of the content transferred from each edge server to the computing device does not add load on the Internet.

21. The system of claim 1, wherein the processor of each particular edge server performs machine learning to generate a list of content based on specific user demographics and service access patterns associated with the place of interest.

22. The method of claim 11 further comprising performing machine learning to generate a list of content based on specific user demographics and service access patterns associated with the place of interest.