

CLAIMS

1. A content delivery method comprising:

receiving, by an origin system, a request from a client device for a content resource, the content resource including at least one embedded resource with a tag;

upon identification of the tag, using at least one delivery parameter to obtain, by the origin system, a modified embedded resource from a content delivery network that is separate from the origin system; and

delivering, by the origin system, the content resource to the client device with the modified embedded resource, wherein the modified embedded resource includes a direct link to a node within the content delivery network that can deliver content associated with the embedded resource.

2. The content delivery method of claim 1 wherein the request is received over an http connection and the at least one delivery parameter includes a requesting client IP address, and further comprising:

passing information based on the client IP address to an application programming interface (API) of the content delivery network;

in association with the API, obtaining a parameter associated with the embedded resource; and

identifying, based on the requesting client IP address and the parameter, location information for the node in the content delivery network that can serve the content associated with the embedded resource; and

generating the modified embedded resource to include the direct link to the node.

3. The content delivery method of claim 1 or 2 wherein the tag is a unique tag.

4. The content delivery method of claim 2, or claim 3 when dependent on claim 2, wherein the parameter is a popularity parameter.

5. The content delivery method of claim 2, or of claim 3 when dependent on claim 2, wherein the parameter is a delivery protocol parameter.

6. The content delivery method of claim 2, or of any one of claims 3 to 5 when dependent on claim 2, wherein the information is the requesting client IP address.

7. The content delivery method of claim 2, or of any one of claims 3 to 5 when dependent on claim 2, wherein the information is geographic information.

8. The content delivery method of claim 2, or of any one of claims 3 to 7 when dependent on claim 2, wherein the location information includes at least one of an IP address, a virtual IP address, one or more absolute uniform resource locators, and one or more hostnames.

9. The content delivery method of any preceding claim wherein the request is over an http connection and the at least one delivery parameter is a client location identifier, the method further comprising:

passing, by the origin system, the client location identifier to an application programming interface (API) of the content delivery network to generate the modified embedded resource relating to the node.

10. The content delivery method of any preceding claim wherein the content resource is a hypertext markup language (HTML) document and the embedded resource is a link.

11. The content delivery method of any preceding claim wherein the request is received at a content delivery network, the request based on a CNAME identifying a domain of the content delivery network.

12. A content delivery network comprising:

at least one processor in communication with a non-transitory computer readable medium including computer readable instructions for:

providing an application programming interface (API);

at the API, receiving, from an origin system that is separate from the content delivery network, an embedded resource and at least one parameter associated with the embedded resource;

generating a modified embedded resource providing a direct link to a node within the content delivery network for obtaining content associated with the embedded resource;

delivering, by the content delivery network, the modified embedded resource to the origin system;

receiving, at the node, a request from a client device to obtain the content;
and

providing the content to the client device.

13. The content delivery network of claim 12 wherein the computer readable instructions are further for replacing the embedded resource with the modified embedded resource in a resource.

14. The content delivery network of claim 12 or 13 wherein the resource is an HTML document and the modified embedded resource is a link.

15. The content delivery network of any one of claims 12 to 14, the computer readable instructions further for identifying a unique tag associated with the embedded resource, and upon identifying the tag, passing the embedded resource to the API.

16. The content delivery network of any one of claims 12 to 15 wherein the modified embedded resource includes at least one of an IP address to facilitate communication with the node to obtain the content associated with the embedded resource, a virtual IP address to facilitate communication with the node to obtain the content associated with the embedded resource, one or more absolute uniform resource locators to facilitate communication with the node to obtain the content associated with the embedded resource, and one or more hostnames to facilitate

communication with the node to obtain content associated with the embedded resource.

17. A non-transitory computer readable media comprising:

an HTML document comprising at least one embedded resource, the at least one embedded resource including a tag that causes the embedded resource to be analyzed to construct a modified embedded resource to replace the embedded resource, the modified embedded resource causing a browser receiving the HTML document with the modified embedded resource to initiate communication with a content delivery network to obtain content associated with the embedded resource, wherein the modified embedded resource includes a direct link to a node within the content delivery network that can deliver content associated with the embedded resource.

18. The non-transitory computer readable media of claim 17 wherein the tag causes the HTML document and the tag to be passed to an API to cause the embedded resource to be analyzed to construct the modified embedded resource.

19. The non-transitory computer readable medium of claim 17 or 18 wherein the modified embedded resource includes at least one of an IP address to facilitate communication with a content delivery network to obtain content associated with the embedded resource, a virtual IP address to facilitate communication with a content delivery network to obtain content associated with the embedded resource, one or more absolute uniform resource locators to facilitate communication with a content delivery network to obtain content associated with the embedded resource , and one or more hostnames to facilitate communication with a content delivery network to obtain content associated with the embedded resource.

20. A content delivery method comprising:

initiating an HTTP connection with a server, the HTTP connection including a client IP address that is available to the server;

receiving, by the origin system, an HTML document including at least one embedded resource, the embedded resource including a reference to a content

delivery network that is separate from the origin system whereby the reference to the content delivery network is influenced by the client IP address, and wherein the embedded resource is a modified embedded resource which includes a direct link to a node within the content delivery network that can deliver content associated with the embedded resource.; and

using the reference, initiating a request directly to the content delivery network to obtain content associated with the at least one embedded resource.

21. The content delivery method of claim 20 wherein the reference includes at least one of an IP address to facilitate communication with the content delivery network to obtain the content associated with the embedded resource, a virtual IP address to facilitate communication with the content delivery network to obtain the content associated with the embedded resource, one or more absolute uniform resource locators to facilitate communication with the content delivery network to obtain the content associated with the embedded resource, and one or more hostnames to facilitate communication with the content delivery network to obtain the content associated with the embedded resource.

22. A method comprising:

providing, at a content delivery network, an application programming interface (API);

at the API, receiving, from an origin system that is separate from the content delivery network, an embedded resource and at least one parameter associated with the embedded resource;

generating a modified embedded resource providing a direct link to a node within the content delivery network for obtaining content associated with the embedded resource;

delivering, by the content delivery network, the modified embedded resource to the origin system;

receiving, at the node, a request from a client device to obtain the content;
and

providing the content to the client device.