

CLAIMS

1. A computer-implemented method, operable with a content delivery network (CDN), the method comprising:
 - by a node in the CDN,
 - (A) receiving a request for content;
 - (B) determining information about the request;
 - (C) based on the determining in (B),
 - (C)(1) when sufficient information about the content is determined, assigning the request to an appropriate CD service to process the request; and
 - (C)(2) when insufficient information about the content is determined, assigning the request to a generic CD service to process the request; and
 - (D) when the request is assigned to the generic CD service in (C)(2), then the generic CD service:
 - (D)(1) processing the request; and
 - (D)(2) providing updated information about the content.
2. The method of claim 1 wherein the appropriate CD service and the generic CD service are selected from caching CD services.
3. The method of claim 1 or 2 wherein the request is an HTTP request for a resource.
4. The method of any preceding claim wherein the sufficient information about the content comprises a size of the content.
5. The method of any preceding claim wherein the request comprises a URI or URL and wherein the determining information about the request in (B) comprises accessing a mapping from the URL to the information about the content associated with the request.

6. The method of claim 5 wherein the URL corresponds to a particular resource and wherein the information about the particular resource comprises a size of the particular resource.

7. The method of claim 5 or 6 wherein the providing updated information about the content in (D)(2) comprises updating the mapping.

8. The method of any one of claims 5 to 7 wherein the mapping is maintained in one or more databases.

9. The method of any preceding claim , further comprising:
(E) when the request is assigned to the appropriate CD service in (C)(1), then the appropriate CD service:
(E)(1) processing the request; and
(E)(2) providing updated information about the content.

10. A computer-implemented method, operable with a content delivery network (CDN), the method comprising:

by a node in the CDN,

(A) receiving a request for content;
(B) determining a category for the content;
(C) based on the determining in (B),

(C)(1) when the category for the content is determined, assigning the request to an appropriate CD service to process the request based on the category for the content; and

(C)(2) when the category for the content is not determined, assigning the request to a generic CD service to process the request; and

(D) when the request is assigned to the generic CD service in (C)(2), then the generic CD service:

(D)(1) processing the request; and
(D)(2) providing the category for the content.

11. The method of claim 10 wherein the category for the content is based on a size of the content.

12. The method of claim 10 or 11 wherein the request is an HTTP request and wherein the content comprises one or more resources.

13. A computer program product having computer readable instructions stored on non-transitory computer readable media, the computer readable instructions including instructions for implementing a computer-implemented method, the method operable on a device comprising hardware including memory and at least one processor and running a service on the hardware, the method operable in a content delivery service (CDN), the method comprising, by a node in the CDN:

- (A) receiving a request for content;
- (B) determining information about the request;
- (C) based on the determining in (B),
 - (C)(1) when sufficient information about the content is determined, assigning the request to an appropriate CD service to process the request; and
 - (C)(2) when insufficient information about the content is determined, assigning the request to a generic CD service to process the request; and
- (D) when the request is assigned to the generic CD service in (C)(2), then the generic CD service:
 - (D)(1) processing the request; and
 - (D)(2) providing updated information about the content.

14. The computer program product of claim 13 wherein the appropriate CD service and the generic CD service are selected from caching CD services.

15. The computer program product of claim 12 or 13 wherein the request is an HTTP request for a resource.

16. The computer program product of any one of claims 13 to 15 wherein the sufficient information about the content comprises a size of the content.

17. The computer program product of any one of claims 13 to 16 wherein the request comprises a URI or URL and wherein the determining information about the request in (B) comprises accessing a mapping from the URL to the information about the content associated with the request.

18. The computer program product of claim 17 wherein the URL corresponds to a particular resource and wherein the information about the particular resource comprises a size of the particular resource.

19. The computer program product of claim 17 or 18 wherein the providing updated information about the content in (D)(2) comprises updating the mapping.

20. The computer program product of any one of claims 17 to 19 wherein the mapping is maintained in one or more databases.

21. The computer program product of any one of claims 13 to 20 further comprising:

(E) when the request is assigned to the appropriate CD service in (C)(1), then the appropriate CD service:

(E)(1) processing the request; and

(E)(2) providing updated information about the content.