

CONTENT DELIVERY NETWORK SYSTEM AND CONTENT DELIVERY METHOD

ABSTRACT

This application discloses a content delivery network CDN system and a content delivery
5 method. An optical network terminal may communicate with a CDN edge node and an optical
network control center through a dedicated WAN interface, and enjoy bandwidth resources of the
dedicated WAN interface, without occupying home bandwidth resources of a user, so that internet
access experience of the user is not affected. In the system of this application, after determining
that a first CDN edge node does not cache target content requested by a first client, the first CDN
10 edge node sends a first query request to the optical network control center. Then, the optical
network control center controls, based on the first query request, the first CDN edge node to
request the target content from a CDN central node. After the first CDN edge node obtains the
target content from the CDN central node, the optical network control center may send a content
pull instruction for the target content cached in the first CDN edge node to N optical network
15 terminals, so that the N optical network terminals separately obtain the target content from the first
CDN edge node based on the content pull instruction.

20 FIG. 2