

You have 15 minutes to complete this quiz.

Name: _____ **Grading Key**

RIT Username: _____

Problem	Possible	Score
1	10	
2	10	
Total	20	

1. Suppose that example.com would like to use Akamai CDN to let them serve the content of example.com. Explain all possible methods that example.com can choose to let users fetch the example.com's content *from the CDN*. (10 pts)

(1) switch all resource URL to Akamai's URL, (2) let Akamai manage the authoritative DNS server of example.com, (3) create CNAME records, which directs to the Akamai's server.

2. Suppose that example.com would like to use Akamai CDN to let them serve the content of example.com. Akamai CDN requires the example.com owner to set the example.com's authoritative name server to one of the nameservers managed by Akamai. In such case, how Akamai finds the *nearest* server to incoming users so that they can serve the content with better performance (e.g., low latency)? Explain all the possible approaches and discuss their pros and cons. (10 pts)

(1) inferring the location from the IP address of the incoming DNS request, (2) EDNS extension, (3) Anycast