System Diagram

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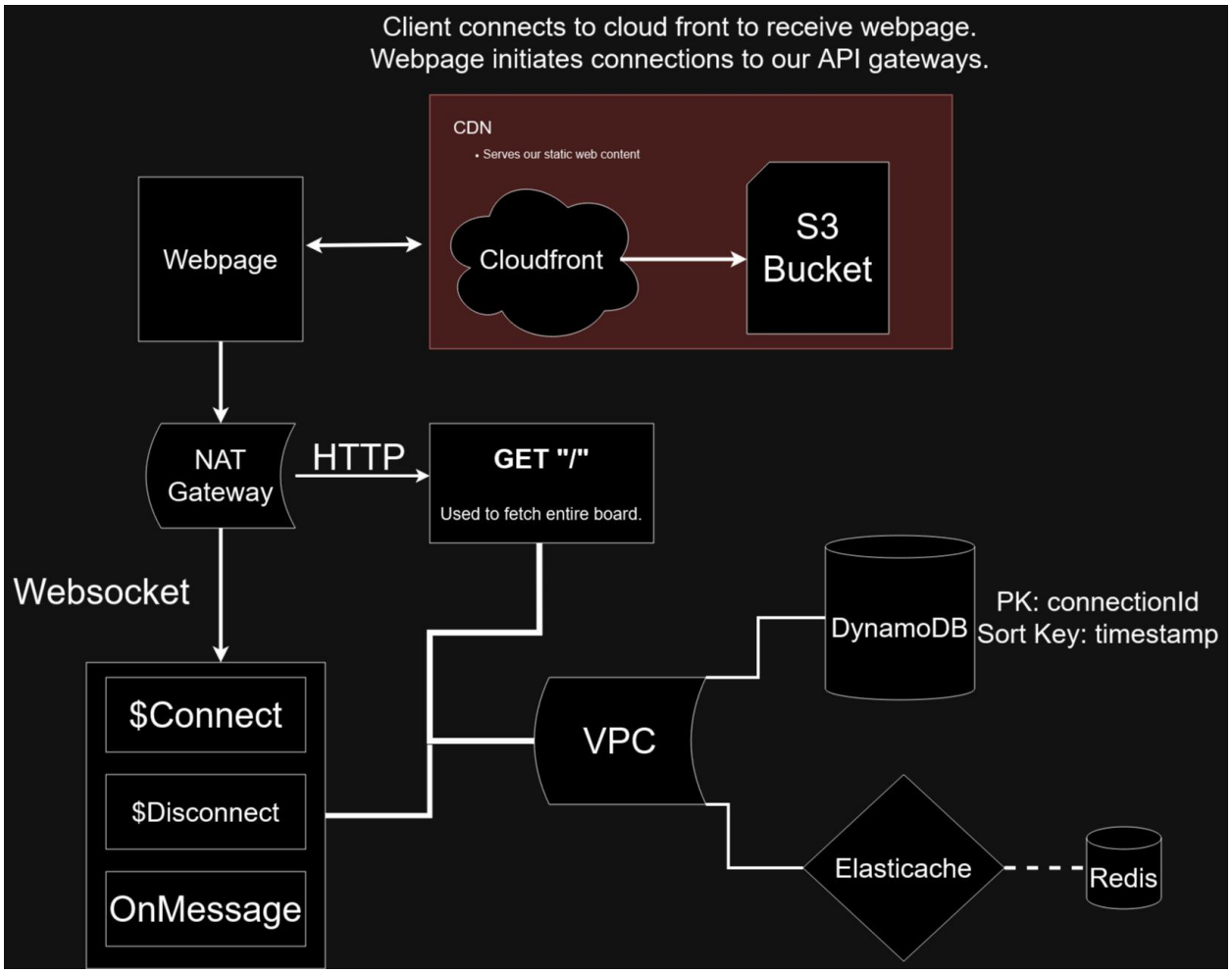
System architecture **2**

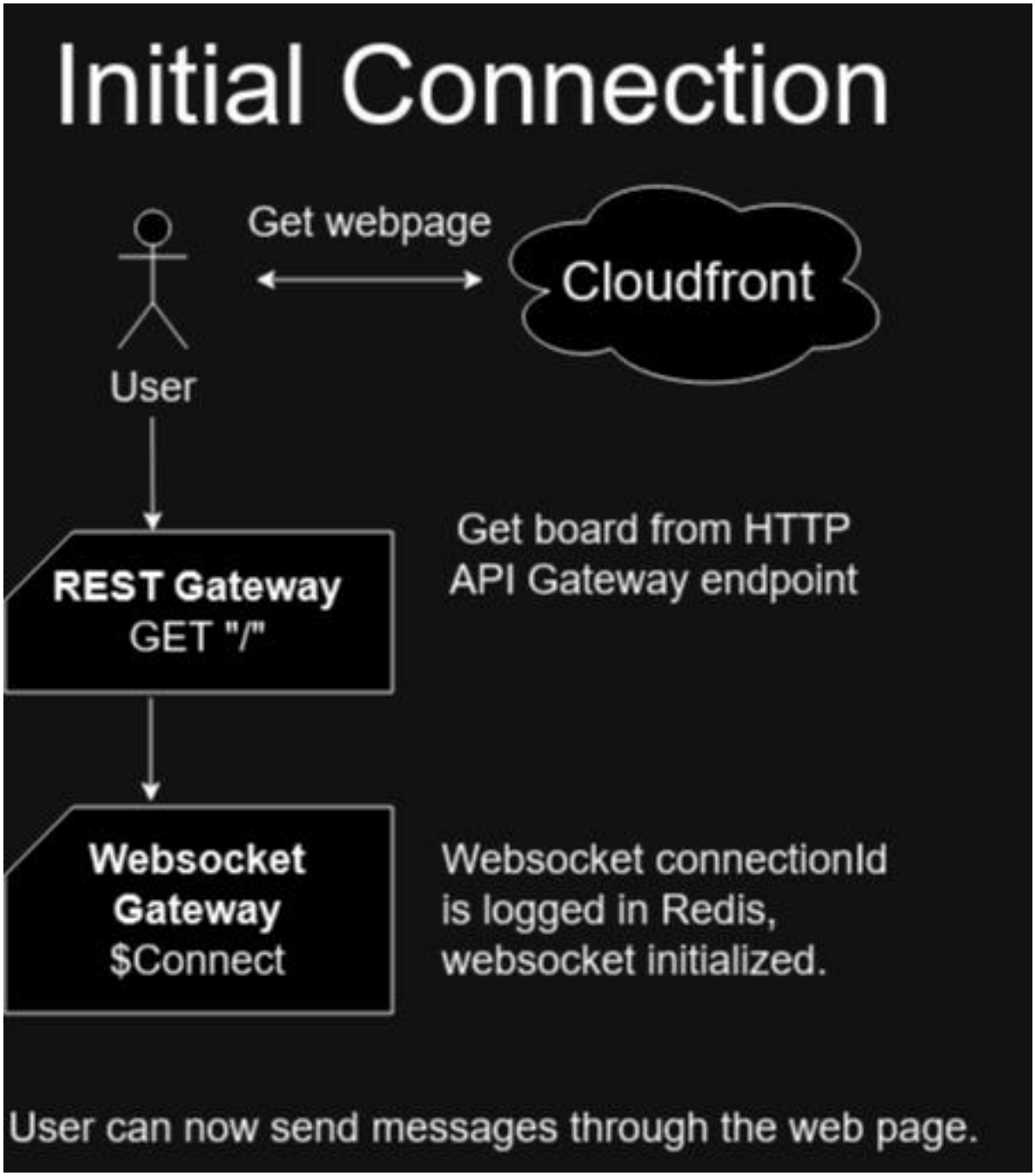
Initial Connection **3**

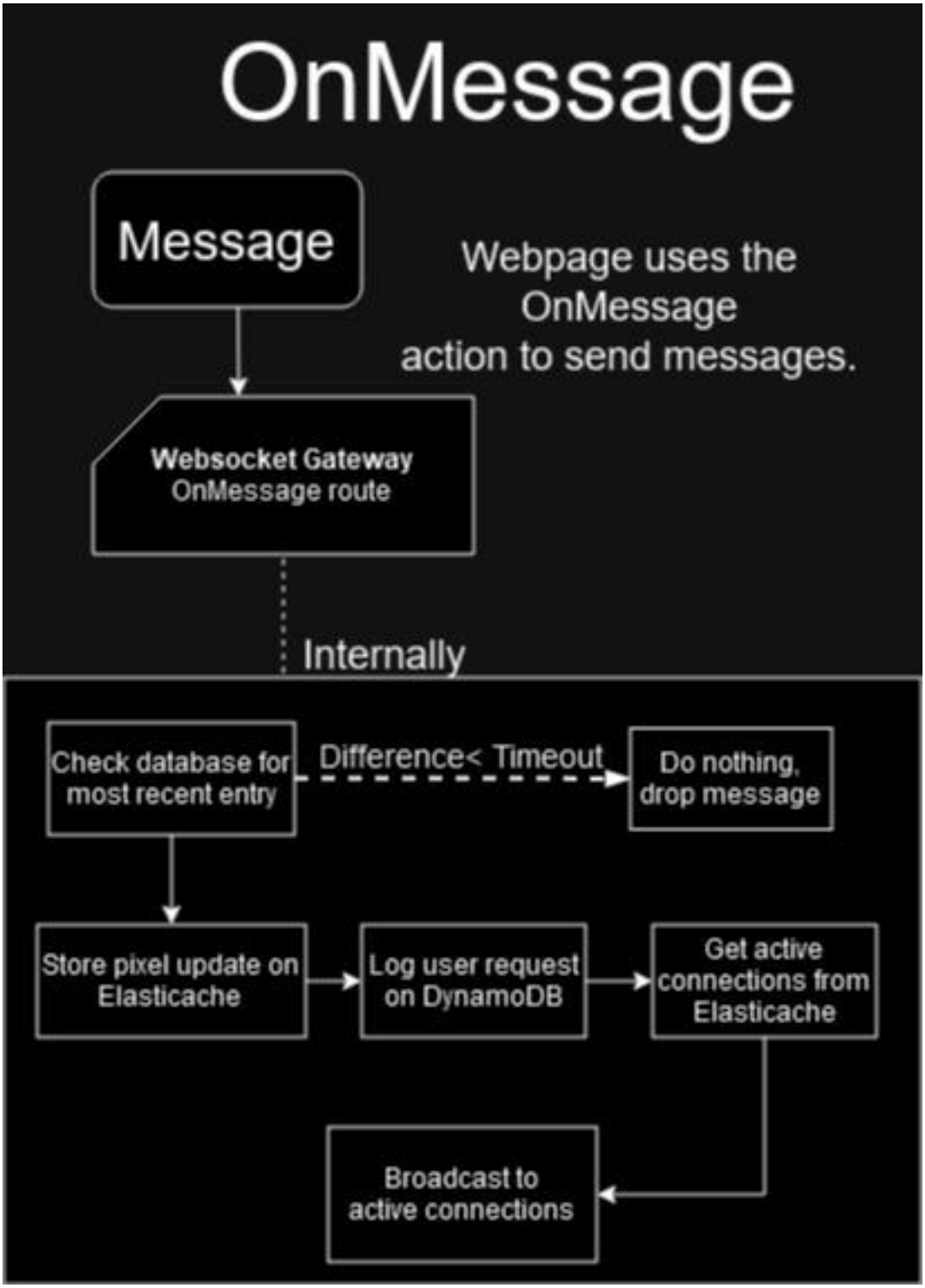
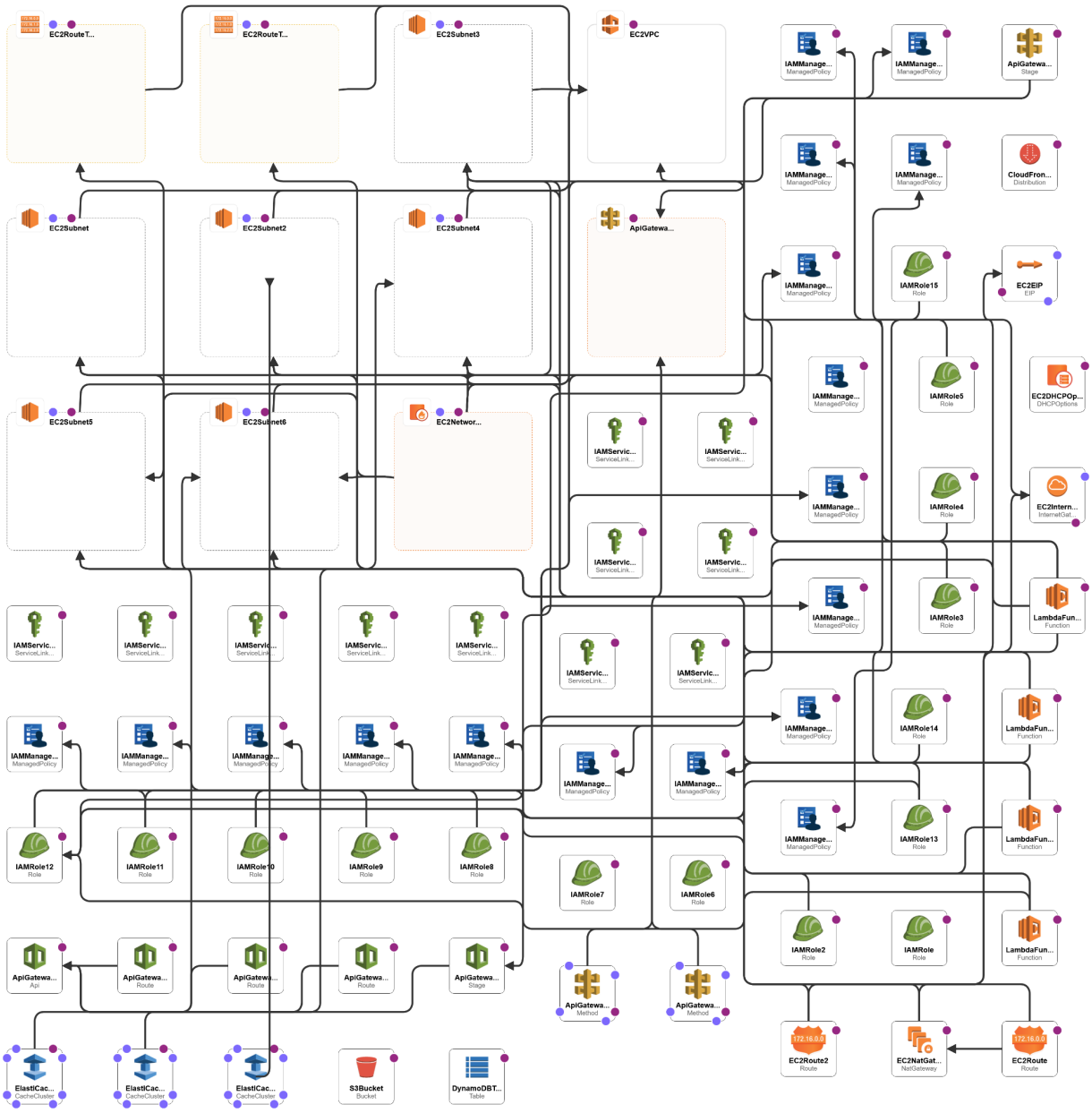
On message **4**

AWS Designer view **5**

Simple-view of our system architecture




Initial Connection
Get webpage
Cloudfront
User
REST Gateway
GET "/"
Get board from HTTP
API Gateway endpoint
Websocket
Gateway
$Connect
Websocket connectionId
is logged in Redis,
websocket initialized.
User can now send messages through the web page.


OnMessage
Message
Webpage uses the
OnMessage
action to send messages.
Websocket Gateway
OnMessage route
Internally
Check database for
most recent entry
Difference< Timeout
Do nothing,
drop message
Store pixel update on
Elasticache
Log user request
on DynamoDB
Get active
connections from
Elasticache
Broadcast to
active connections

AWS Designer view of our system architecture