

# Content Delivery Network



Tencent Cloud

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(Tencent Cloud)

 Tencent Cloud

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(Tencent)

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(Tencent Cloud)

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CDN ( )

:: 2024-12-31 10:07:10

## CDN ?

Content Delivery Network(CDN)

CDN

1.

2.

3.

CDN

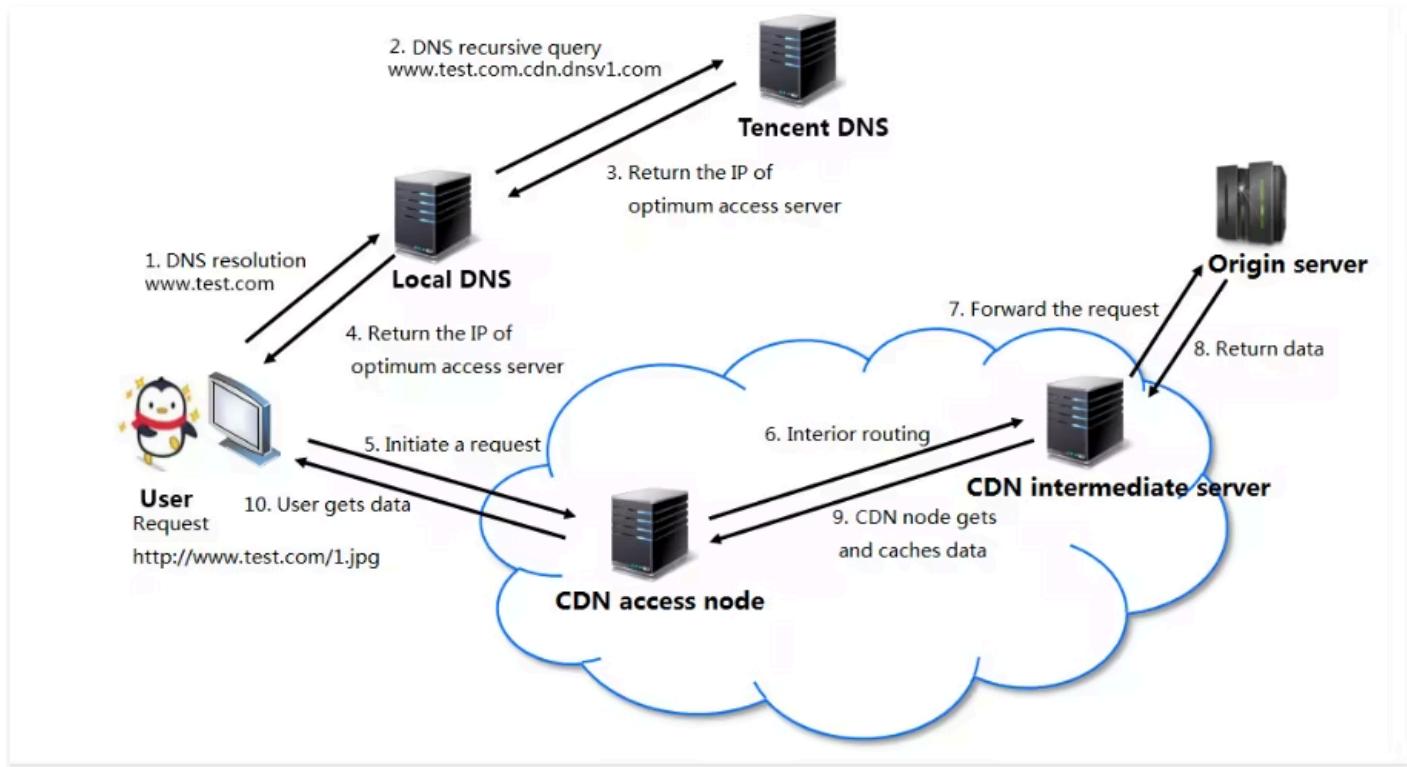
CDN

CDN

www.test.com

CDN

HTTP



1. [www.test.com](http://www.test.com) ( : 1.jpg ), Local DNS

2. Local DNS [www.test.com](http://www.test.com) CNAME [www.test.com.cdn.dnsv1.com](http://www.test.com.cdn.dnsv1.com), Tencent DNS(GSLB) . GSLB Tencent Cloud

3. Local DNS Tencent DNS IP

4. IP .

5. IP 1.jpg

6. IP 1.jpg , (10)

1.jpg , 1.jpg (6, 7, 8)

, ( ) (9)

(10)

:: 2024-12-31 10:08:09



|  |   |   |   |   |   |
|--|---|---|---|---|---|
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|  | , | , | , | , | , |
|  | , | , | , | , | , |
|  | , | , | , | , | , |
|  | , | , | , | , | , |

Tencent Cloud CDN 2017

800

. 2022 12 CDN 70

50Tbps



|  |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | , | , | , | , | , | , | , | , | , | , | , | , | , |
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|  | , | , | , | , | , | , | , | , | , | , | , | , | , |

Tencent Cloud CDN . GSLB

CDN

Tencent Cloud CDN

CDN 5

CNAME

DNS

Tencent Cloud CDN

• , , •

(IP) 2023-06-26 10:00:00 665

## Origin pull

Referer: / IP: /

## • , HTTP

- CDN Origin-pull, Range GET 301/302 Origin-pull

- CDN    HTTPS    , HTTP/2

- HTTP Response Header, SEO

- , URL

- CDN , , , , 1 . , , , , , ISP,

- CDN 1 origin-pull , , , ,

- ISP

## Cloud Log Service

- **CDN**

## CDN API

- CDN API . API  
, , . . API

:: 2020-07-24 15:42:06

Tencent Cloud CDN

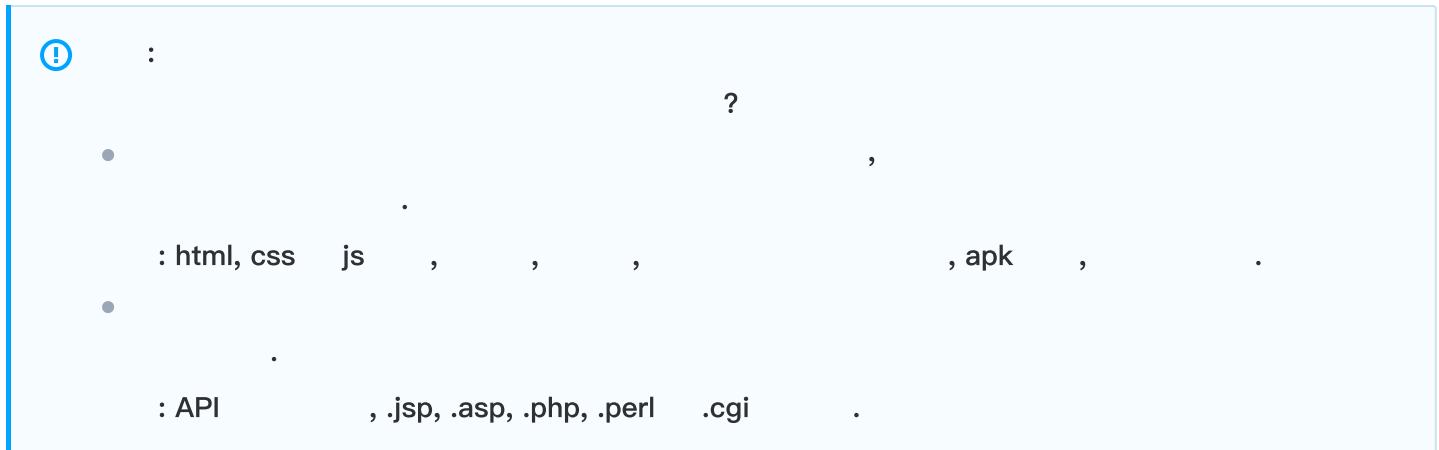
|      |  |
|------|--|
|      |  |
|      | , , UGC<br>, , ( :<br>, , )            |
|      | , ROM                                  |
|      | ,<br>.                                 |
| ECDN | , Tencent<br>,                         |
|      | ECDN Tencent Cloud<br>/ , /            |
| SCDN | SCDN CDN<br>DDoS , CC<br>WAF( )<br>CDN |

, UGC

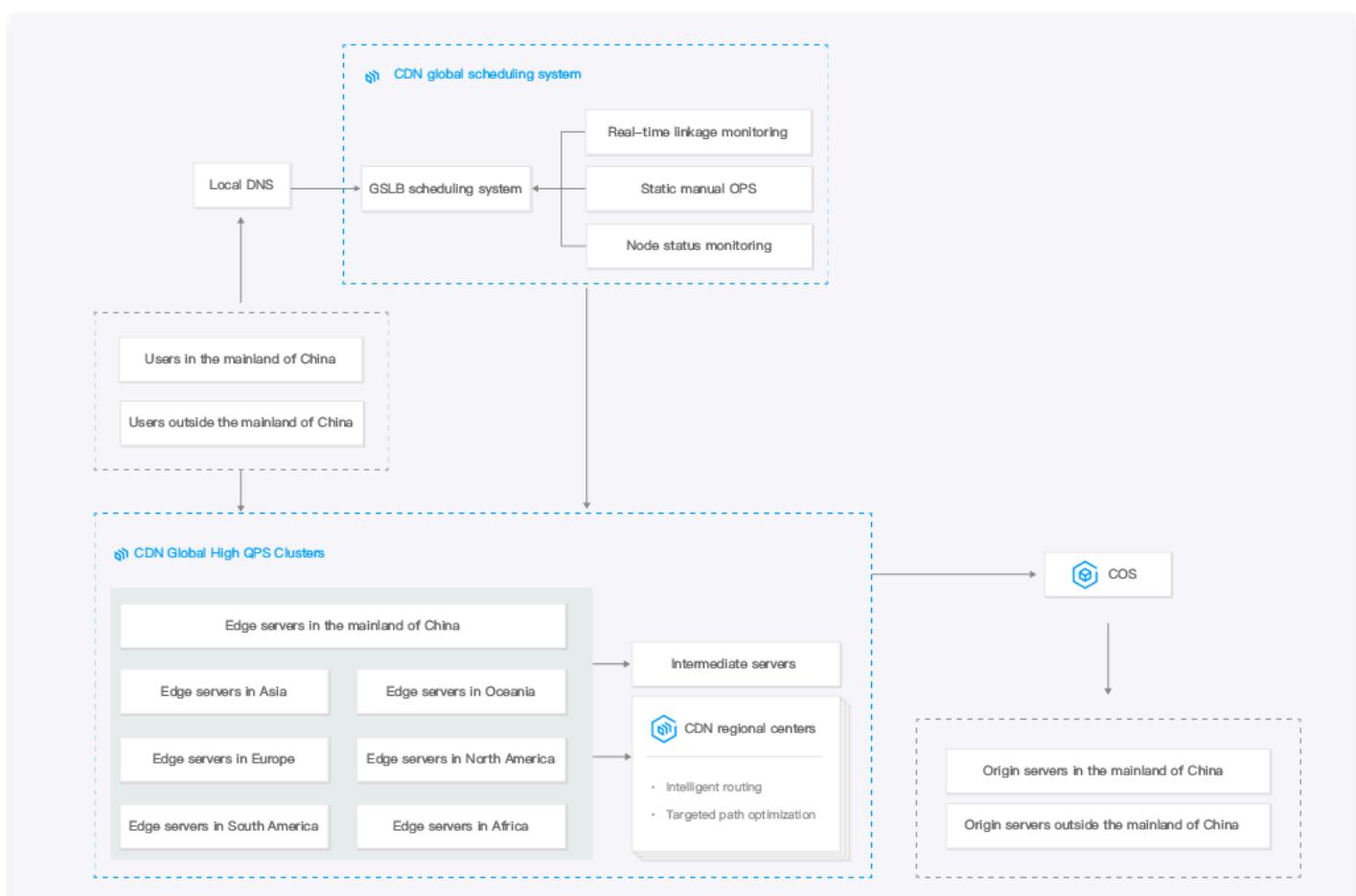
## • Tencent Cloud CDN

## ECDN

Tencent Cloud

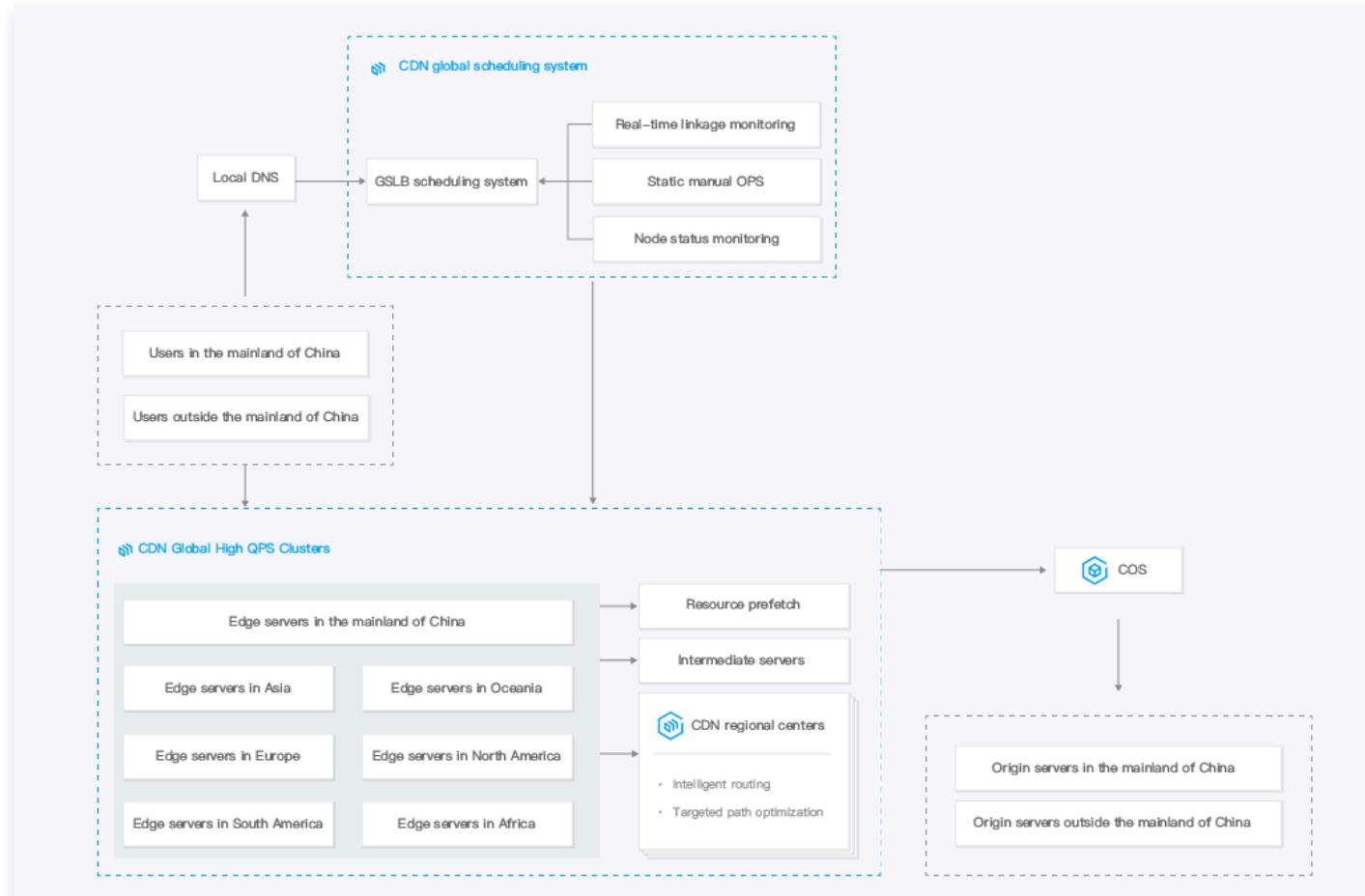


Tencent Cloud CDN



ROM

Tencent Cloud CDN



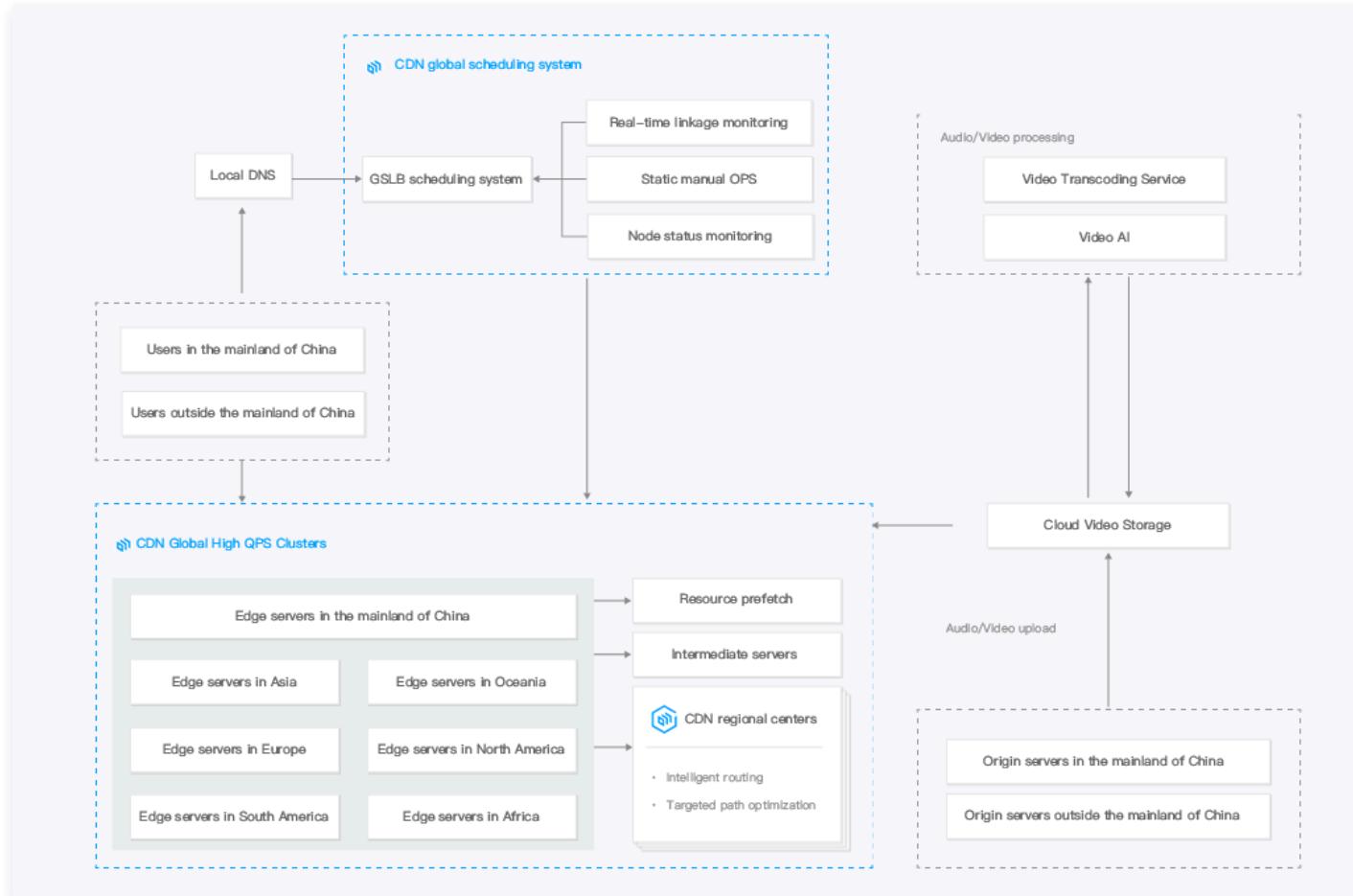
App,

TV

VOD

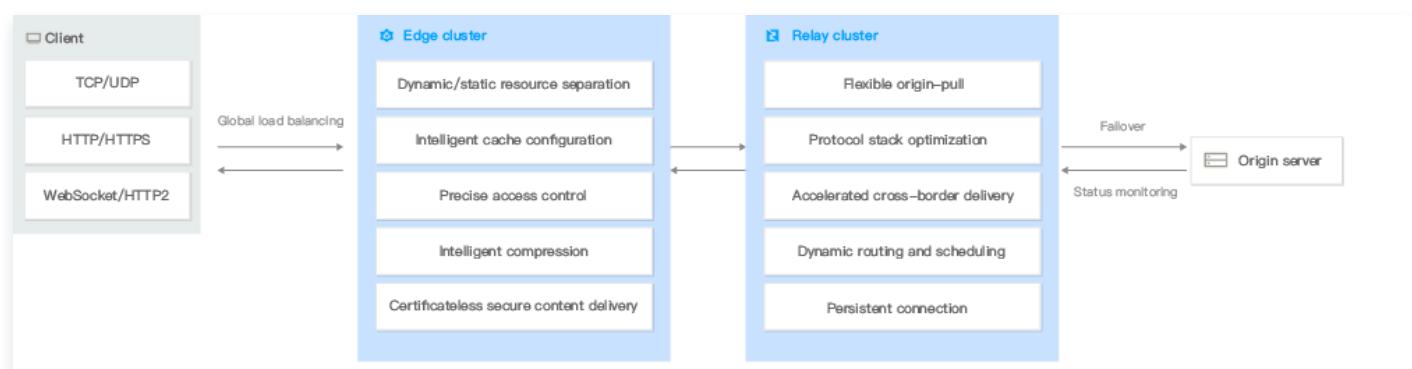
. Tencent

Cloud CDN



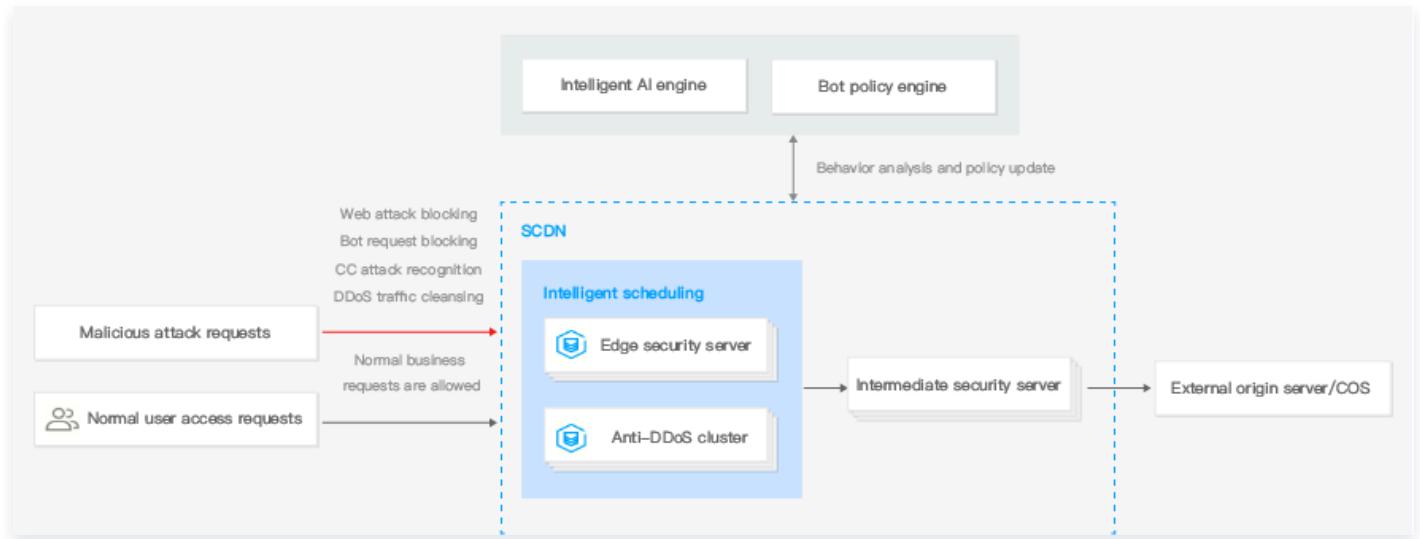
ECDN

ECDN / ( : .asp, .jsp, .php, .cgi .perl , API , ) .  
Tencent Cloud ECDN Tencent , Origin-pull , / , Tencent



SCDN

SCDN / , , , , ,  
Tencent Cloud SCDN CDN DDoS , , CC  
WAF( )  
Tencent Cloud SCDN CDN DNS  
Tencent Cloud CDN



:: 2021-12-06 12:22:22

, CDN COS

, IP

COS

Tencent Cloud COS , bucket

CDN

CNAME

CNAME (Canonical Name) .  
host.example.com , WWW MAIL  
DNS www.example.co  
m mail.example.com CNAME , CNAME  
host.example.com

CNAME

CDN .cdn.dnsv1.com  
Cloud CDN , CNAME Tencent  
Tencent Cloud CDN

,  
: html, css js , , , , , apk ,  
,  
: API, .jsp, .asp, .php, .perl .cgi .

## Origin-pull

## CDN Origin-pull

CDN

## CDN Origin-pull

## Origin–pull

## Origin-pull

,

(Domain Name)

, FTP

## Bucket

(Bucket) COS

:: 2025-01-25 15:45:58

## ICP

Tencent Cloud CDN

, ICP

1. Tencent Cloud CDN      CDN

. Tencent Cloud

, Tencent

Cloud CDN      CDN

2. Tencent Cloud CDN      CDN

, Tencent Cloud

CDN

- Tencent Cloud CDN
- Tencent Cloud
- Tencent PC Manager

Tencent Cloud CDN

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- /      /
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- ,

100

|  |                      |
|--|----------------------|
|  | 90                   |
|  | URL : 10000<br>: 100 |
|  | 30                   |

3

Tencent Cloud CDN

Tencent Cloud CDN

## CDN ( )

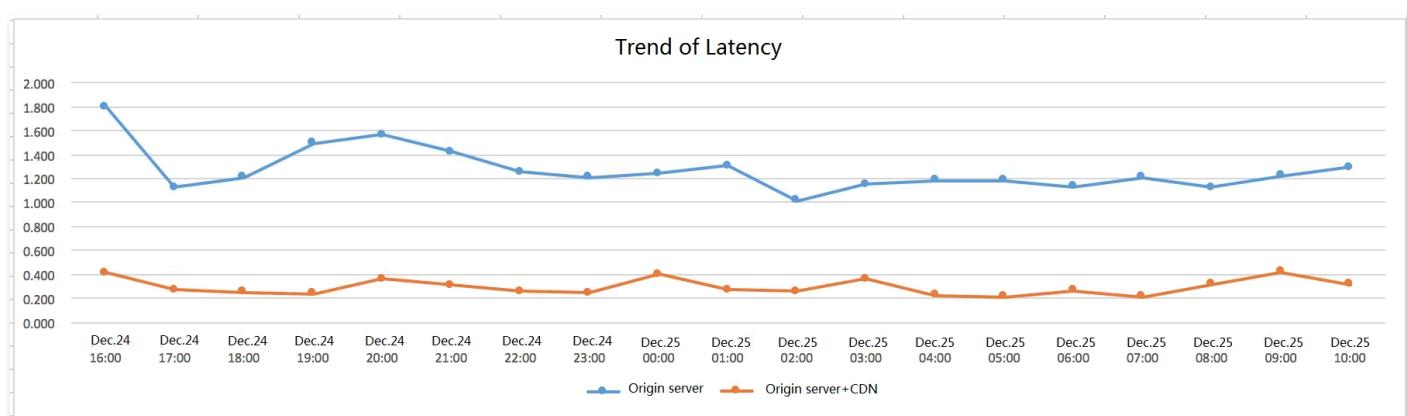
:: 2025-01-25 14:56:15

( 1G), Tencent Cloud CDN.

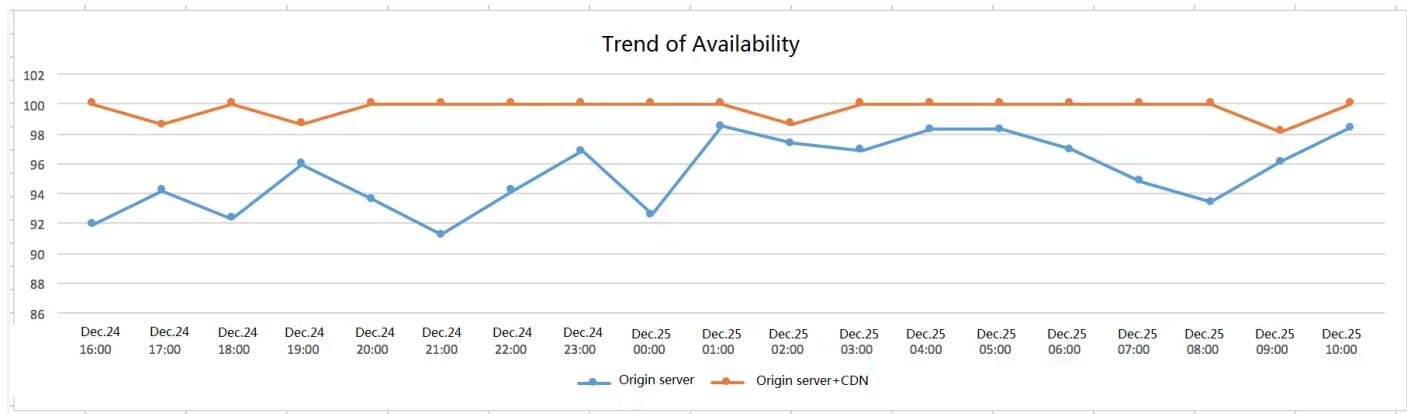
TINGYUN .

|     |   |
|-----|---|
|     | 2019-05-21 07:45 ~ 2019-05-21 19:15   |
|     |   |
| ISP | China Unicom, China Telecom, China Mobile   |
|     | <a href="http://*/simptab-wallpaper-20190520181120.png">http://*/simptab-wallpaper-20190520181120.png</a> |
| CDN | <a href="http://*/simptab-wallpaper-20190520181120.png">http://*/simptab-wallpaper-20190520181120.png</a> |

:



: %



|     |      | ( )   |                |       |                |       |  |
|-----|------|-------|----------------|-------|----------------|-------|--|
| CDN | 2235 | 0.196 | 05 21<br>07:45 | 0.117 | 05 21<br>12:15 | 0.313 |  |
|     | 2177 | 0.933 | 05 21<br>10:45 | 0.635 | 05 21<br>08:15 | 1.827 |  |

|                | CDN   |        |    |  |       |        |    |
|----------------|-------|--------|----|--|-------|--------|----|
|                | ( )   | (%)    |    |  | ( )   | (%)    |    |
| 05 21<br>07:45 | 0.117 | 100.00 | 98 |  | 0.945 | 100.00 | 98 |
| 05 21<br>08:15 | 0.160 | 100.00 | 91 |  | 1.827 | 98.86  | 88 |
| 05 21<br>08:45 | 0.135 | 99.91  | 92 |  | 0.645 | 100.00 | 88 |
| 05 21<br>09:15 | 0.240 | 100.00 | 97 |  | 0.821 | 98.95  | 95 |
| 05 21<br>09:45 | 0.190 | 100.00 | 95 |  | 1.315 | 98.80  | 83 |

|                |       |        |     |       |        |     |
|----------------|-------|--------|-----|-------|--------|-----|
| 05 21<br>10:15 | 0.158 | 100.00 | 95  | 0.745 | 98.95  | 95  |
| 05 21<br>10:45 | 0.170 | 100.00 | 90  | 0.635 | 100.00 | 89  |
| 05 21<br>11:15 | 0.123 | 100.00 | 90  | 0.692 | 97.65  | 85  |
| 05 21<br>11:45 | 0.246 | 100.00 | 96  | 0.653 | 100.00 | 98  |
| 05 21<br>12:15 | 0.313 | 100.00 | 89  | 0.763 | 97.83  | 92  |
| 05 21<br>12:45 | 0.258 | 100.00 | 92  | 1.181 | 100.00 | 93  |
| 05 21<br>13:15 | 0.175 | 100.00 | 95  | 1.122 | 97.67  | 86  |
| 05 21<br>13:45 | 0.173 | 100.00 | 97  | 1.148 | 98.89  | 90  |
| 05 21<br>14:15 | 0.257 | 100.00 | 81  | 1.083 | 100.00 | 81  |
| 05 21<br>14:45 | 0.214 | 100.00 | 103 | 1.044 | 100.00 | 97  |
| 05 21<br>15:15 | 0.240 | 100.00 | 92  | 0.737 | 97.98  | 99  |
| 05 21<br>15:45 | 0.169 | 100.00 | 94  | 0.969 | 98.85  | 87  |
| 05 21<br>16:15 | 0.146 | 100.00 | 93  | 0.769 | 98.86  | 88  |
| 05 21<br>16:45 | 0.269 | 100.00 | 91  | 0.724 | 100.00 | 86  |
| 05 21<br>17:15 | 0.181 | 100.00 | 91  | 1.072 | 98.02  | 101 |
| 05 21<br>17:45 | 0.208 | 100.00 | 96  | 1.000 | 100.00 | 90  |

|                |       |        |      |       |       |      |
|----------------|-------|--------|------|-------|-------|------|
| 05 21<br>18:15 | 0.219 | 100.00 | 94   | 0.744 | 98.86 | 88   |
| 05 21<br>18:45 | 0.119 | 100.00 | 81   | 0.841 | 98.84 | 86   |
| 05 21<br>19:15 | 0.212 | 100.00 | 102  | 0.981 | 97.87 | 94   |
| /              | 0.196 | 99.996 | 2235 | 0.933 | 99.04 | 2177 |
|                | 0     | 0      |      |       |       |      |