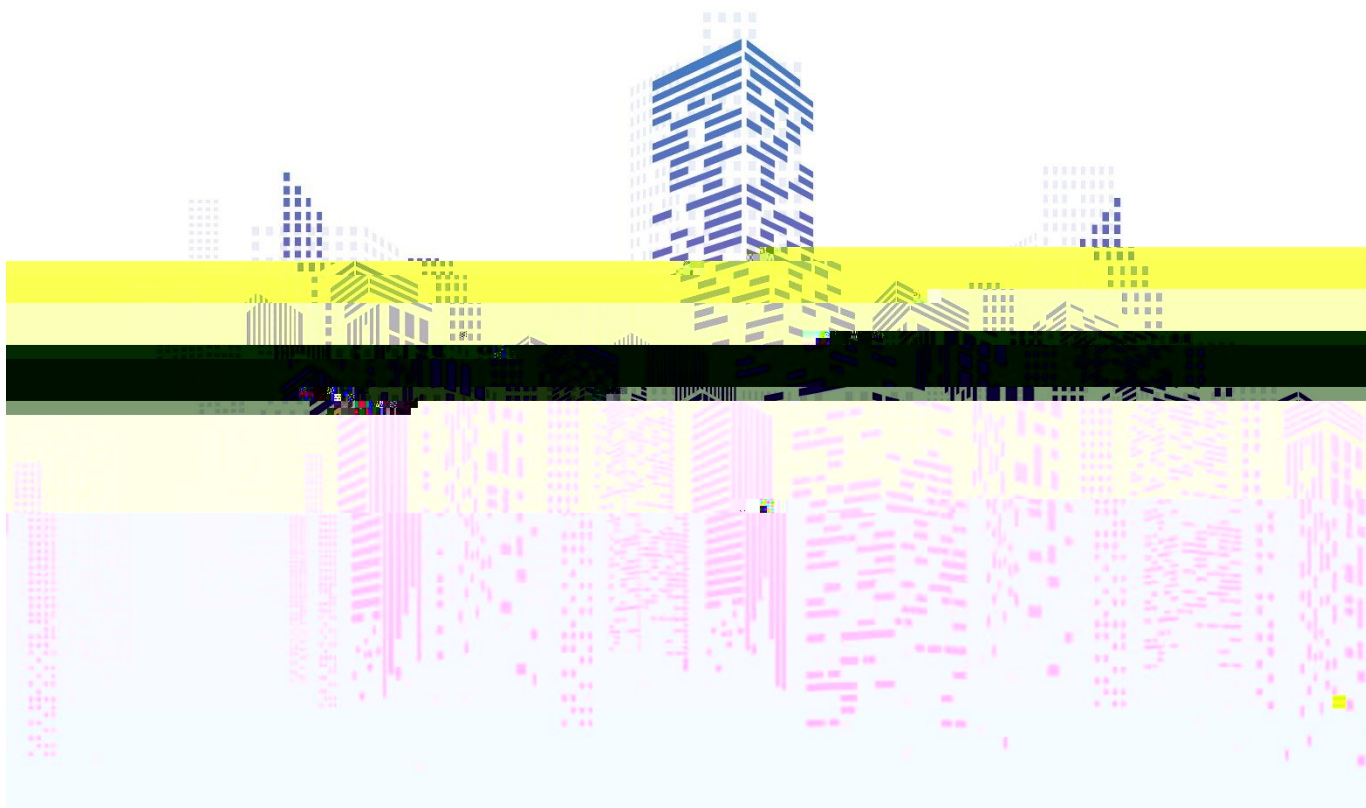
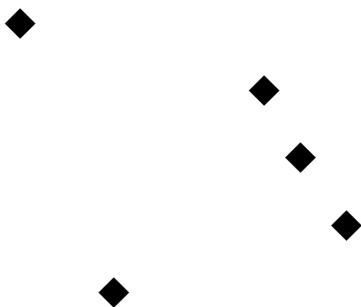






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4



2023
17

400







1.

2022

1.58

8.0% 2.

32.4%

5.1 3.

10%

1. “ ”

2.

1.5G

2.

2022

5.9

41.8 /

20.8 /

100Mbps

5.54

93.9%

65%

1000Mbps

9175

2.7 15.6% 3. “ ”

“ ”

2022

35.28

1.

2022

4193

3.3% 2.

2022

2618 GB

18.1%

64.4% 3. 2022

“ 5G+

”

4000

5G

5G

1.4

5G

C114





2025

GDP

2021

39.8%

50%

2021

12.5

22.8

228.7

86.2

11

5G

21.1%

5G

5G

2022 1-11

124.8%

C114

IDC

2022Q3

IaaS+PaaS

10.2%

104%

TOP10

IDC

2022

2022

121.9

27.7%

17.7%

10.4%

8.2%

IDC

C114



“ + ”





NSA National Security Agency IPv6 NSA

IPv6
IPv4 IPv6 NSA
Neal Ziring “ IPv4 IPv6
” IPv6 IPv6



IPv6 IPv6 DNS
IPv4 IPv6
NAT64 IPv6 NAT64 IPv6
IPv4 RFC 6052 “ IPv4-Embedded IPv6
” IPv4 IPv6

APNIC



ETNO 2023
2030
2022 55.6% FTTH
RAN

2021 563
/ 10
160





“ ” fair-share

10

“ ” Netflix

“ ”

C114

11

30

3

2021

10

2021 15

50

C114

3%

2027

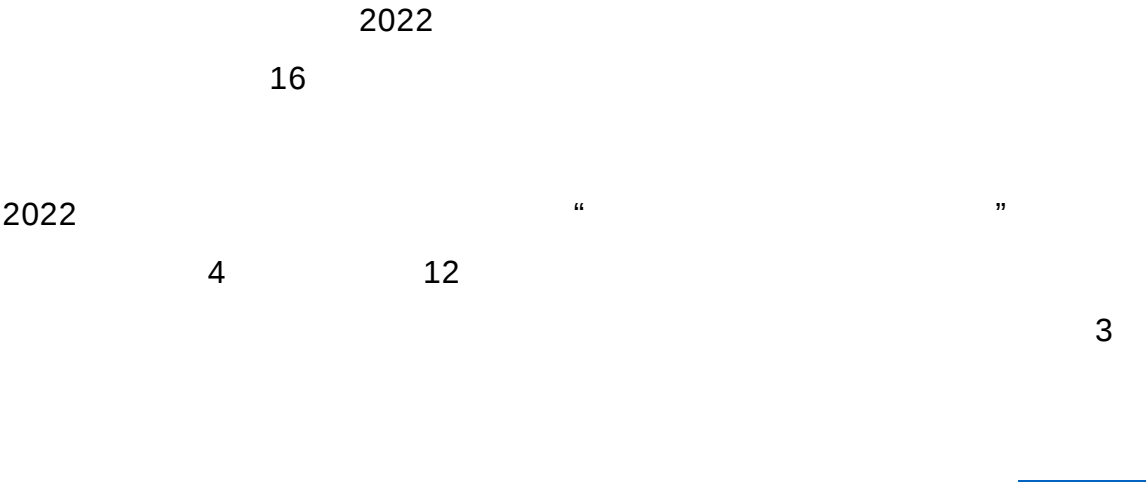
170

810

2023

400Gbps

C114



IDC FutureScape

2023

——

2024

60%

80%

2023

30%

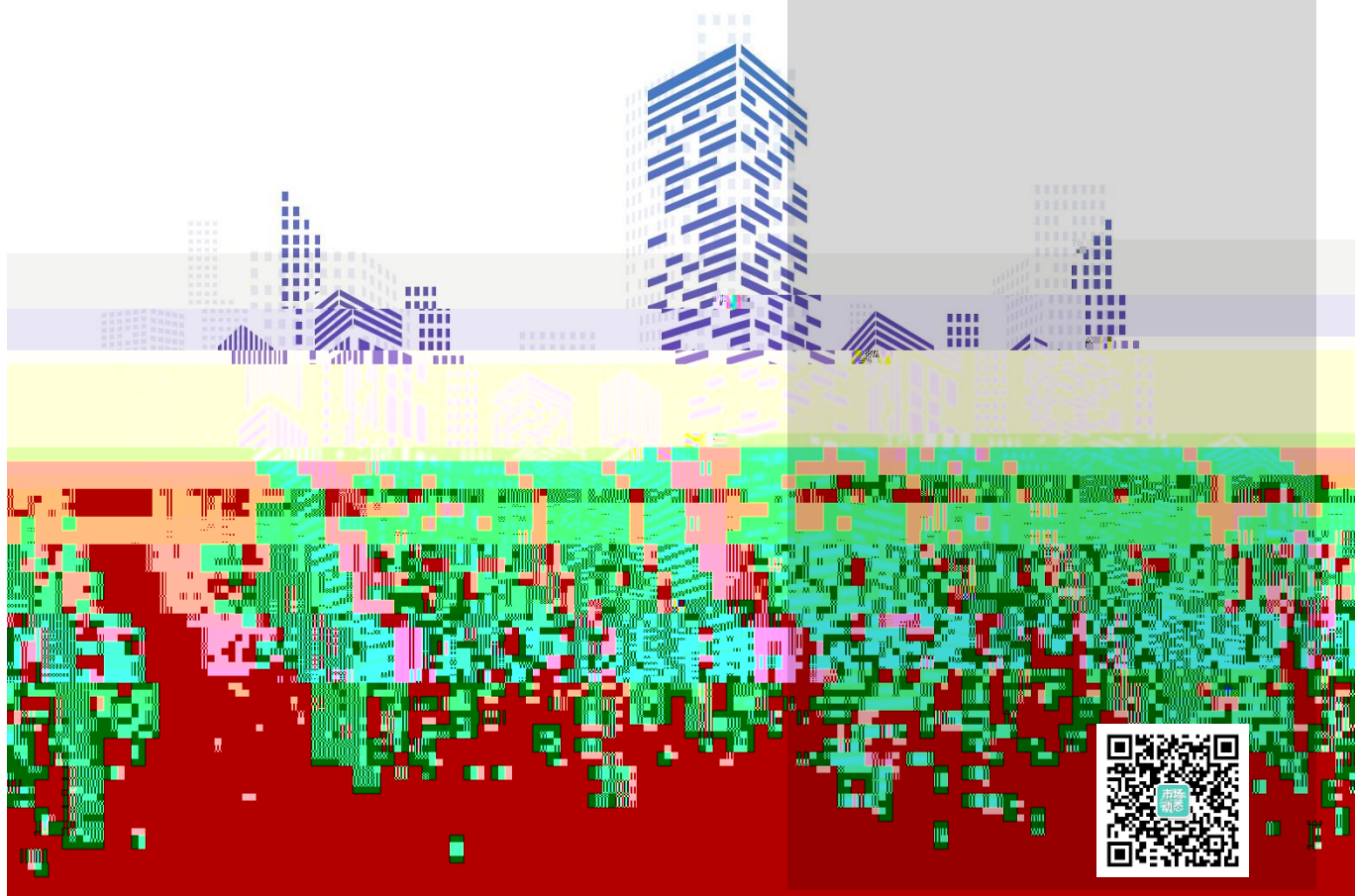
2024

75%

C114



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