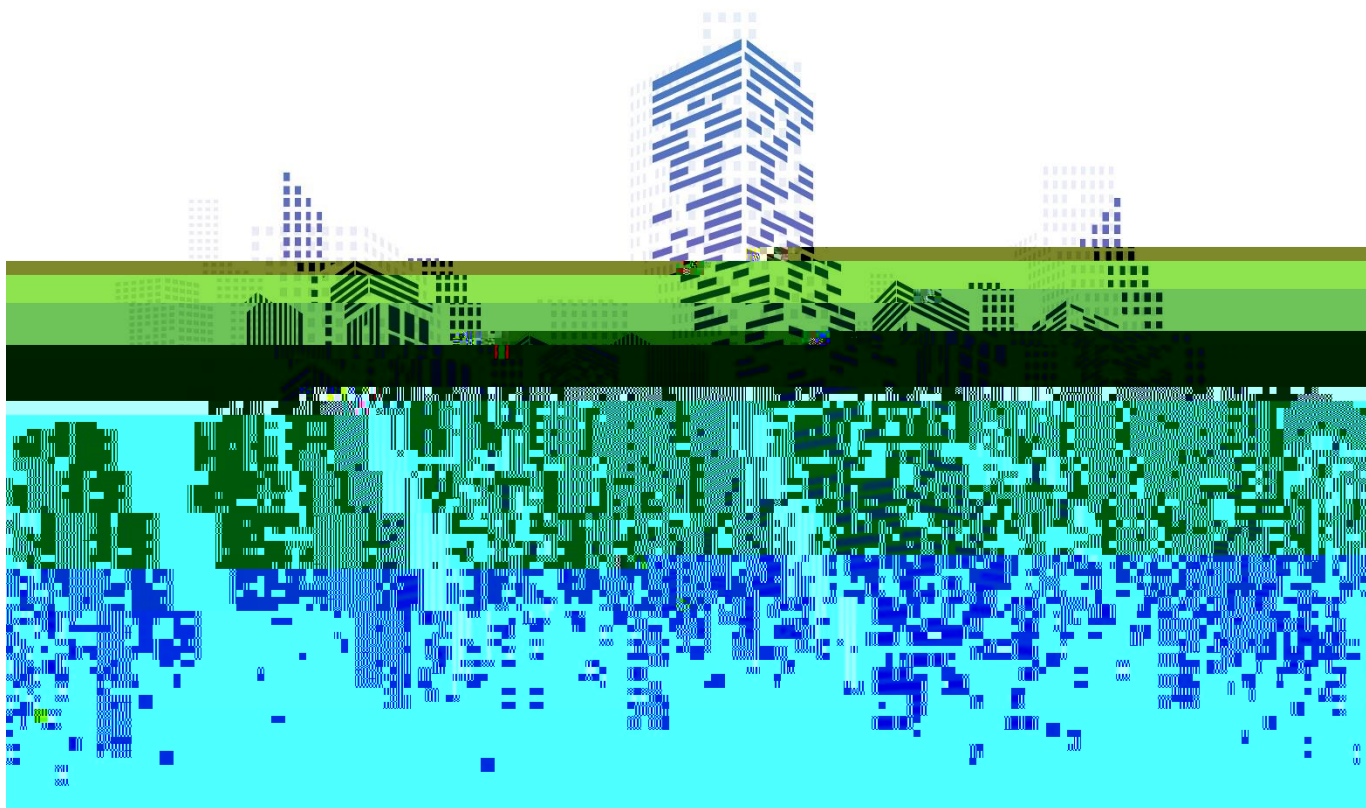






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13 14

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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 DNS
IPv4
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

2021

10

2021 15

C114

3%

2027

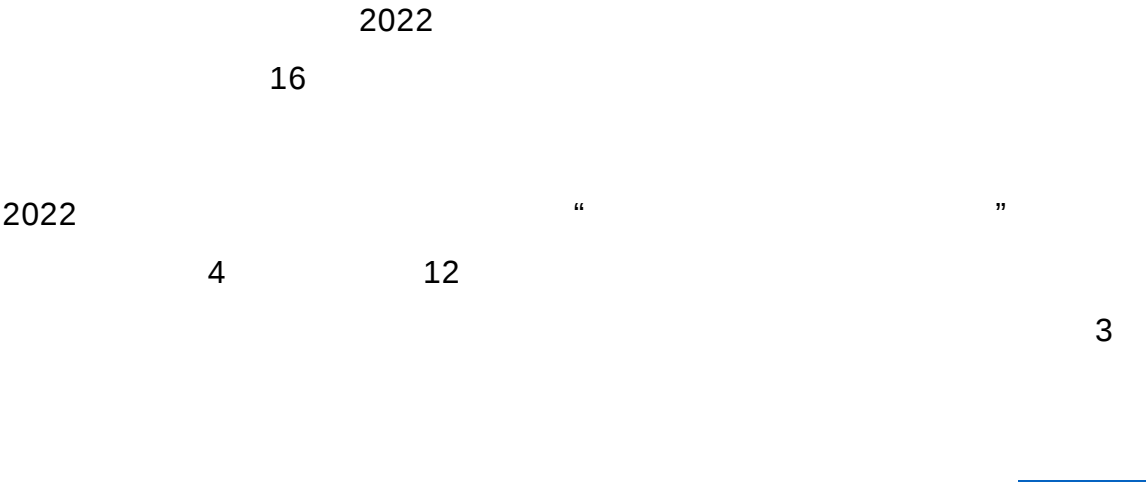
170

810

2023

400Gbps

C114 _____



IDC FutureScape

2023

—

2024

60%

80%

2023

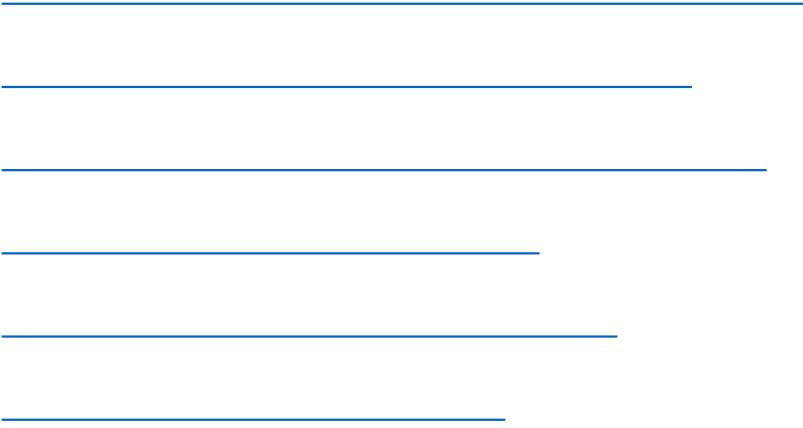
30%

2024

75%

C114

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