MICROSCAN INFOCOMMTECH PVT LTD

ABOUT US

- Microscan was established by Sandeep Donde, a first-generation entrepreneur.
- We are a premium service provider of all-fiber based high-performance networking solutions though a state-of-art network infrastructure.
- Our key products: High-speed fiber-based broadband solutions, Internet Leased Lines, High-speed Inter-office data connectivity, Lit & Dark fiber solutions, and Centralized NMS Infra management services with 24x7x365 NOC & Service Support.

- Microscan offers Best in-class Low Latency Network connecting major Indian exchanges: NSE, BSE, MCX. GIFT City INX with Service Extension to International Exchanges across the globe.
- we provide cloud connectivity options and optimized content delivery via connectivity through internet exchanges (IX) for Enterprise Customers, OTT providers, Service Providers, and Home Broadband Users.

What value addition can Microscan bring to ISP's ?

- We can give OTT aggregation Platform Like Playbox TV
  (This will enable all the ISP's to compete with Tier 1 players)
- *We can give professional NOC/ SOC and L3 Support and Shared resource services through our managed services platform*
- Help in managing the ILL bandwidth and Peering bandwidth efficiently through our AI and DPI tools
- Help in Automating the data for DOT Term cell Audits through our Managed services platform
- ISP's can resell all Microscan Value-added services to the Enterprise Customers to increase their revenue.

Our VAS OTT **aggregation** platform

INDIA'S SUPER OTT AGGREGATOR & CONTENT MARKETPLACE APP

PLAYBOXTV
The One Stop Entertainment

Our platform integrates OTT and Live TV on one interface, making it one of the fastest-growing Internet media distribution companies.

By fulfilling the audience's entertainment needs, it will change the perception of online streaming.

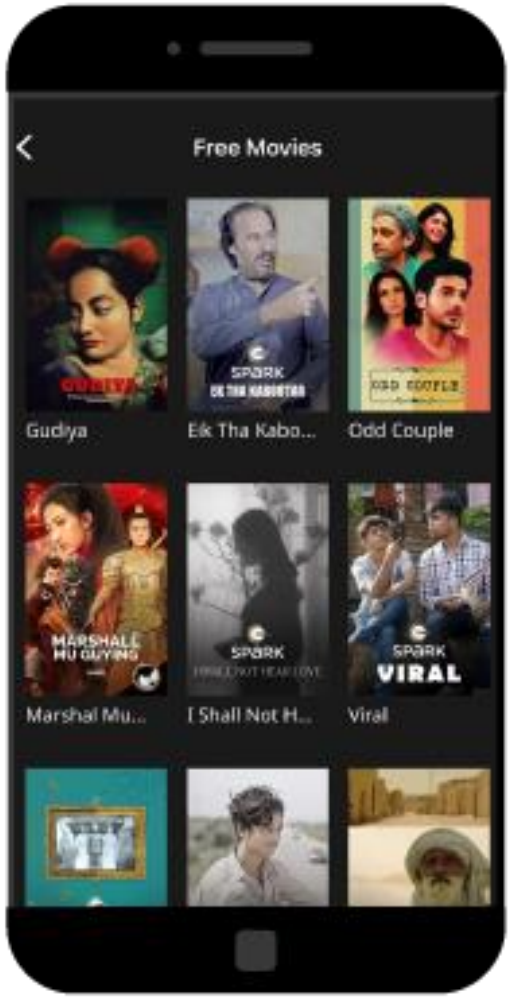
Languages	Linear Channels	OTT Platforms	Movies & Webseries
13+	450+	20+	1,00,000+

OUR OFFERING

PLAYBOXTV - OTT

PLAY QR

PlayboxTV- Movie section



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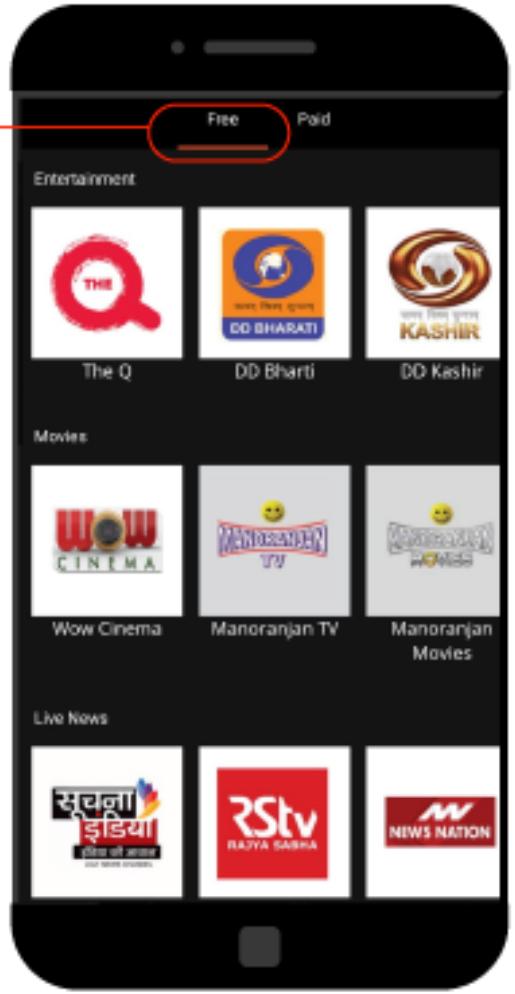
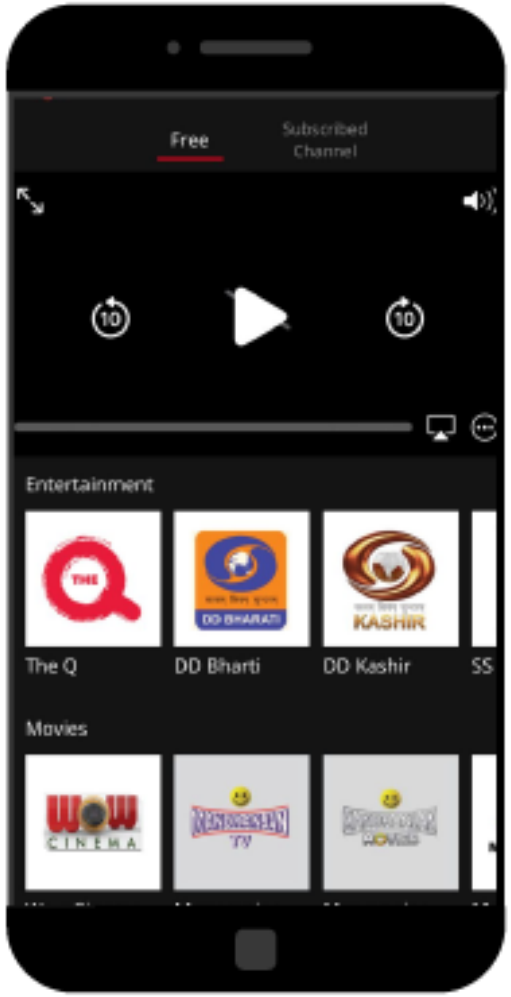
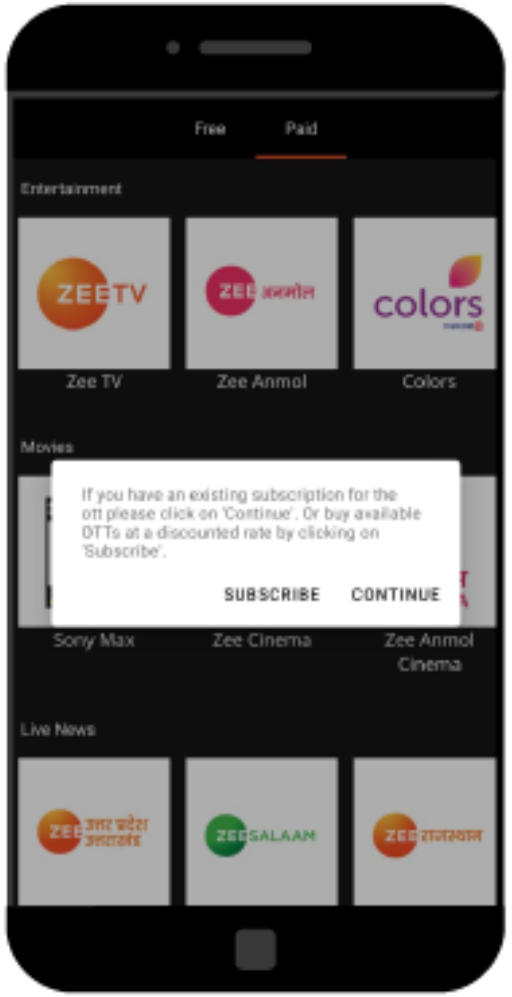
PlayboxTV- Live TV



Free Live TV Channels



Free Live TV Channels



Paid Live TV Channels

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OUR BUNDLED PLAN

PLAY QR

microscan
Microscan Computers Pvt. Ltd.

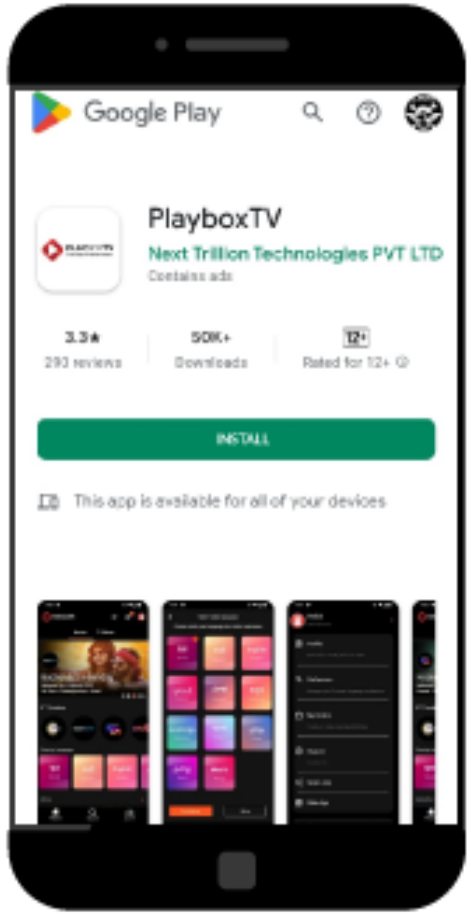
PLAYBOXTV
One Stop Entertainment

Introducing Revolutionary Play Qr

PLAY QR

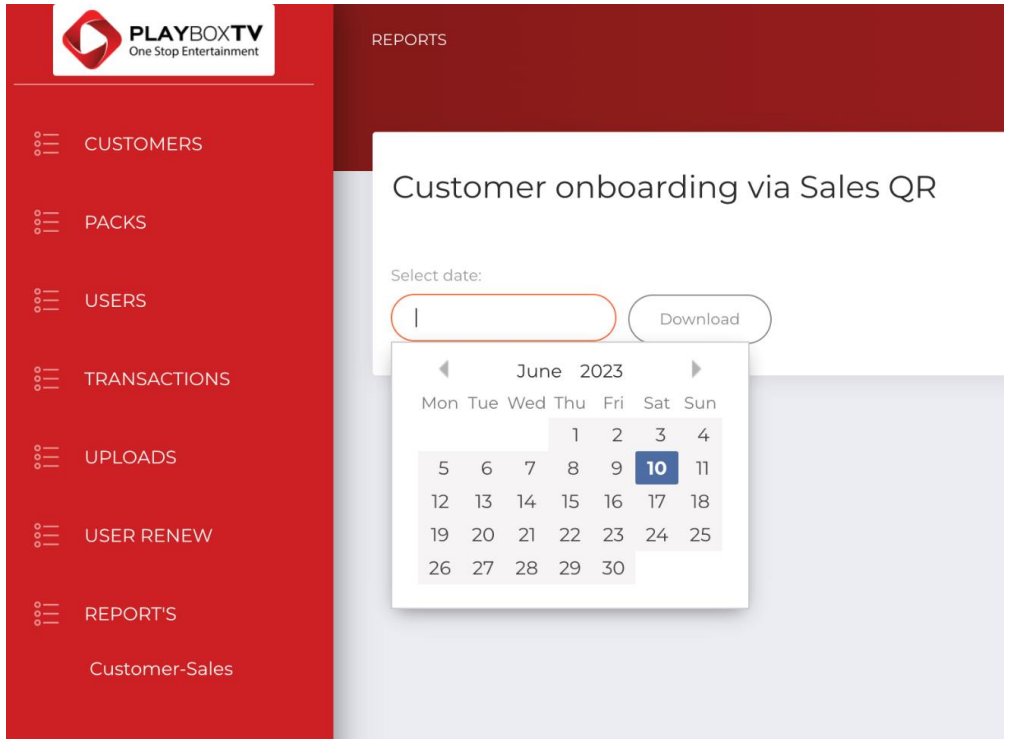
Scan the QR Code

Click on the link

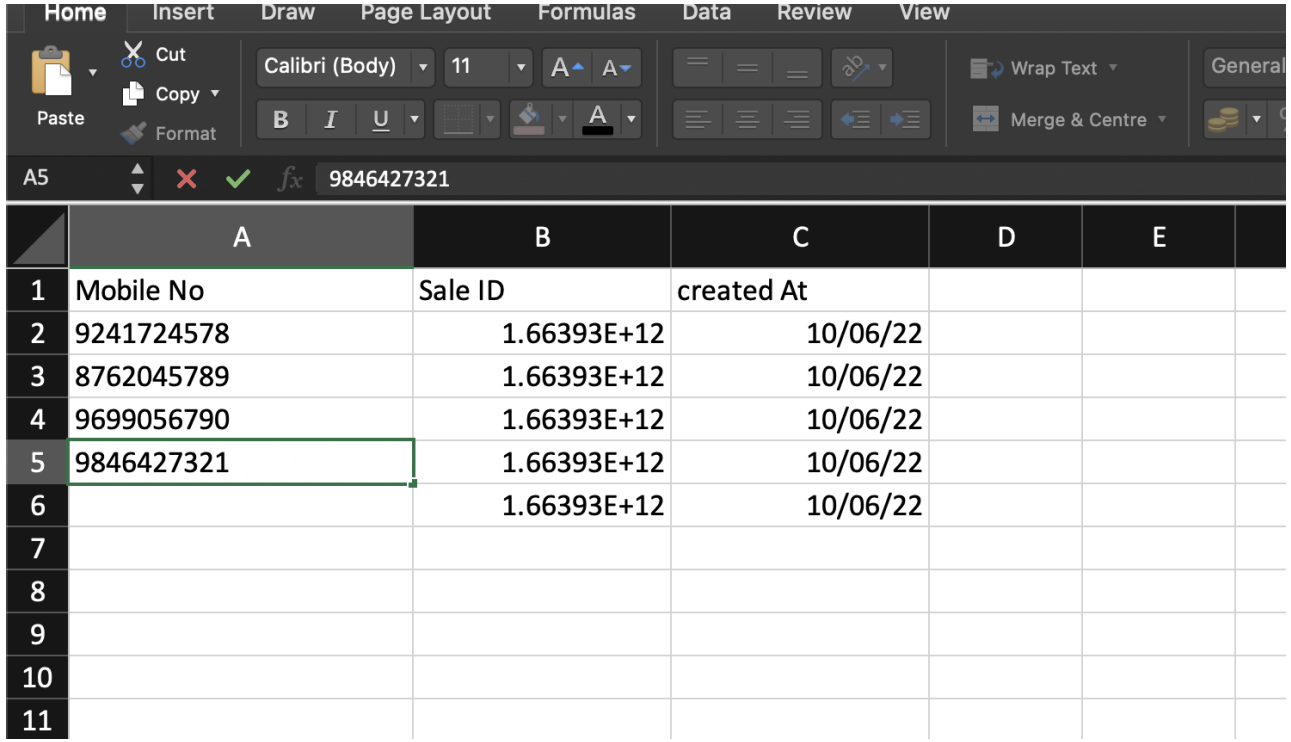


Install the app

Data Extraction



Dashboard to accumulate data of scanned QR



	A	B	C	D	E
1	Mobile No	Sale ID	created At		
2	9241724578	1.66393E+12	10/06/22		
3	8762045789	1.66393E+12	10/06/22		
4	9699056790	1.66393E+12	10/06/22		
5	9846427321	1.66393E+12	10/06/22		
6		1.66393E+12	10/06/22		
7					
8					
9					
10					
11					

Leeds for Internet Service Providers

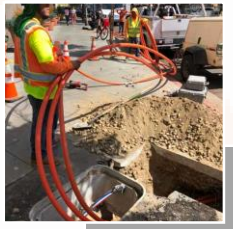
Network Management

microscan Communications

Network Managed Service Lifecycle

Fault Management

- 365*24*7 proactive fault monitoring of fiber, active equipment & DCN network
- Auto trouble ticket for all alarms & events
- Manual call to field team within 10 minutes to restore the faults in less than 3 hours
- Maintain zero alarm network
- Threat / alert mechanisms in case of first fault to avoid service outages
- MIS/Dashboard

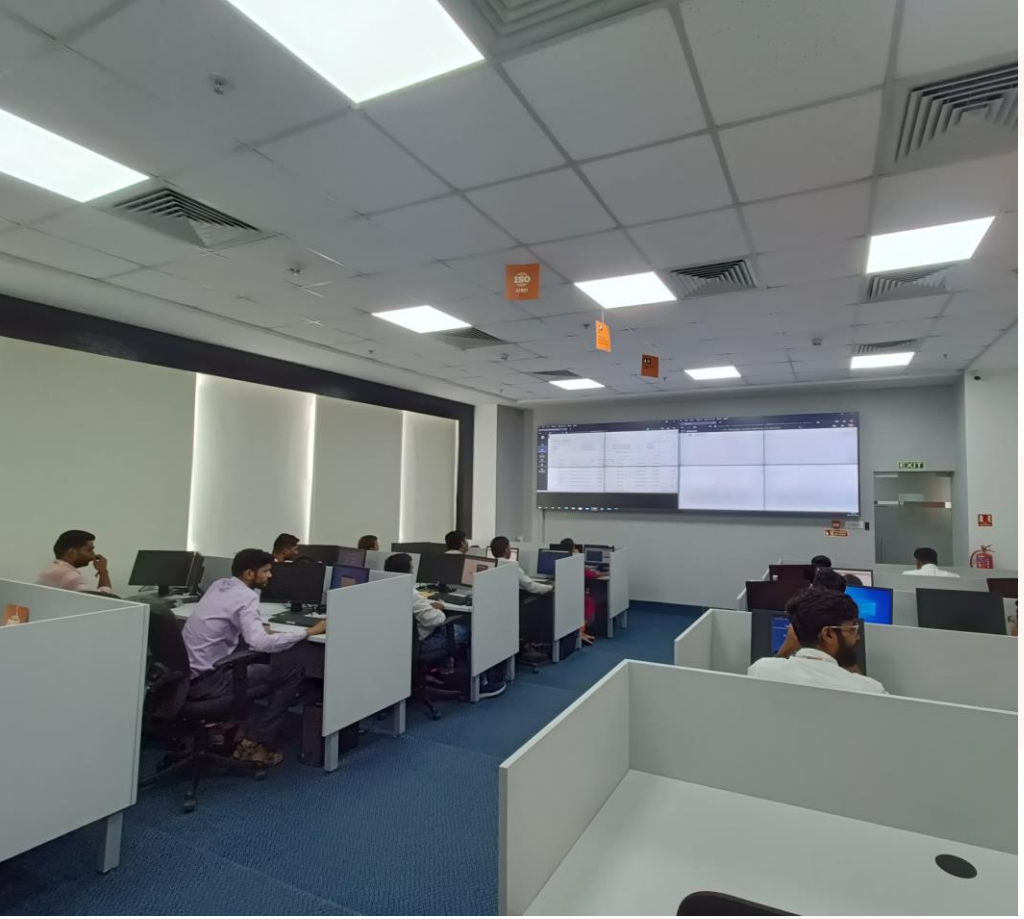


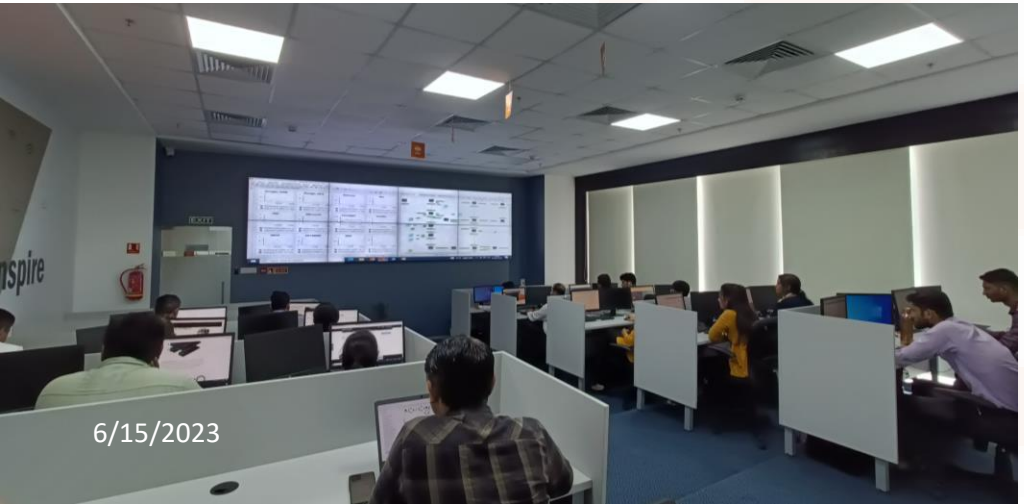
Fiber Maintenance

- 99.6% availability with 3 hours MTTR for individual fiber paths
- Resource dimensioning for fiber routes with 1 patroller per link (around 30 - 50km) & 1 FRT / 2 link (70 – 100km)
- GPS based tracking of all resources – patroller & FRT
- Use of WFM/FSM to schedule, monitor and engage field resource effectively.
- Effective patrolling to mitigate risk and initiate preventive actions to avoid cuts

Equipment Maintenance

- SLA of active equipment as per OEM standards with TAC support
- Field Engineer dimensioning as per intermediate site location
- 1st time right equipment installation & patch chord routing
- Regular preventive & corrective maintenance
- Software upgrade
- RMA
- Infra Maintenance of Passive NLD sites.





MCPL NOC

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Cyber Security

microscan
Communications

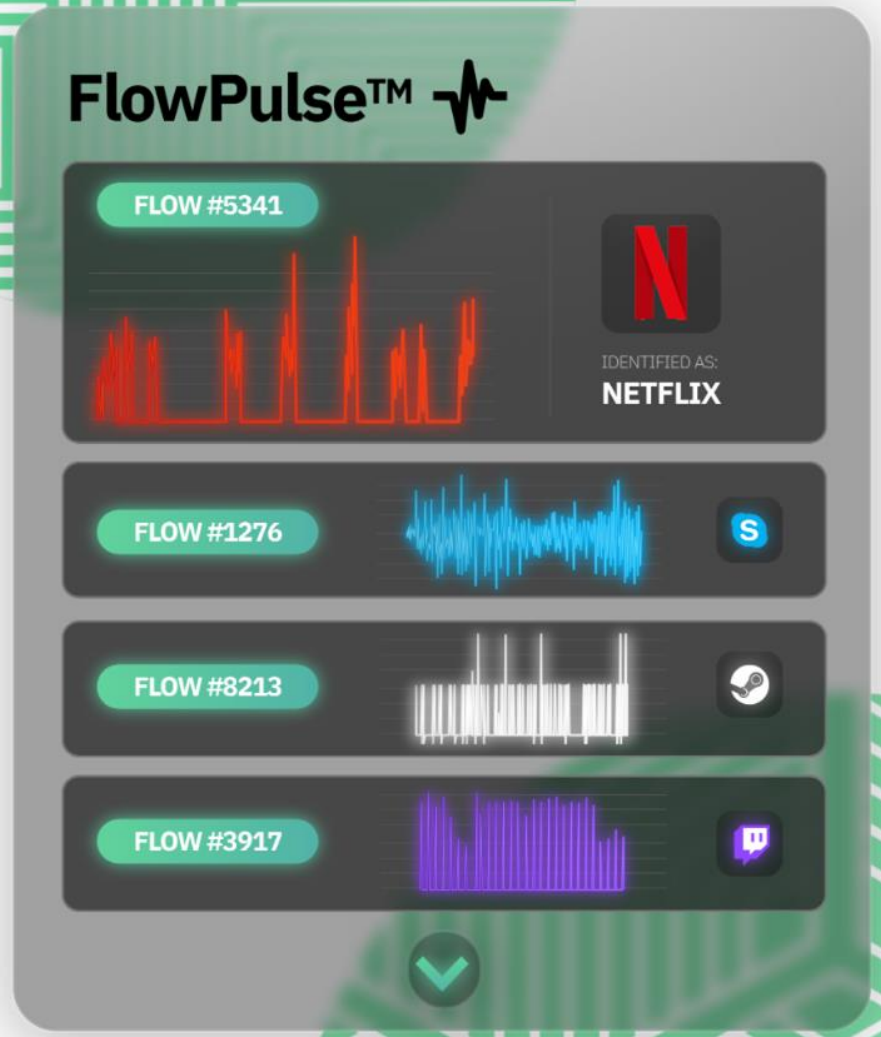
Cyber Security Service Portfolio

- **Security Monitoring & Incident Response**
- **Security Assessment (Network, Web & Mobile Applications)**
- **Digital Forensics & Malware Analysis**
- **Active Threat Hunting**
- **SOC Maturity Assessment and SIEM Optimization**
- **FIM as a Service**
- **EDR & Deception as a Service**
- **Anti-Phishing Pro-active Monitoring & Take Down Service**
- **Device Management**

microscan Communications

CANOPUS NETWORKS

Microscan: Analytics and Results



May 2023

Use case 1: Transit cost optimisation

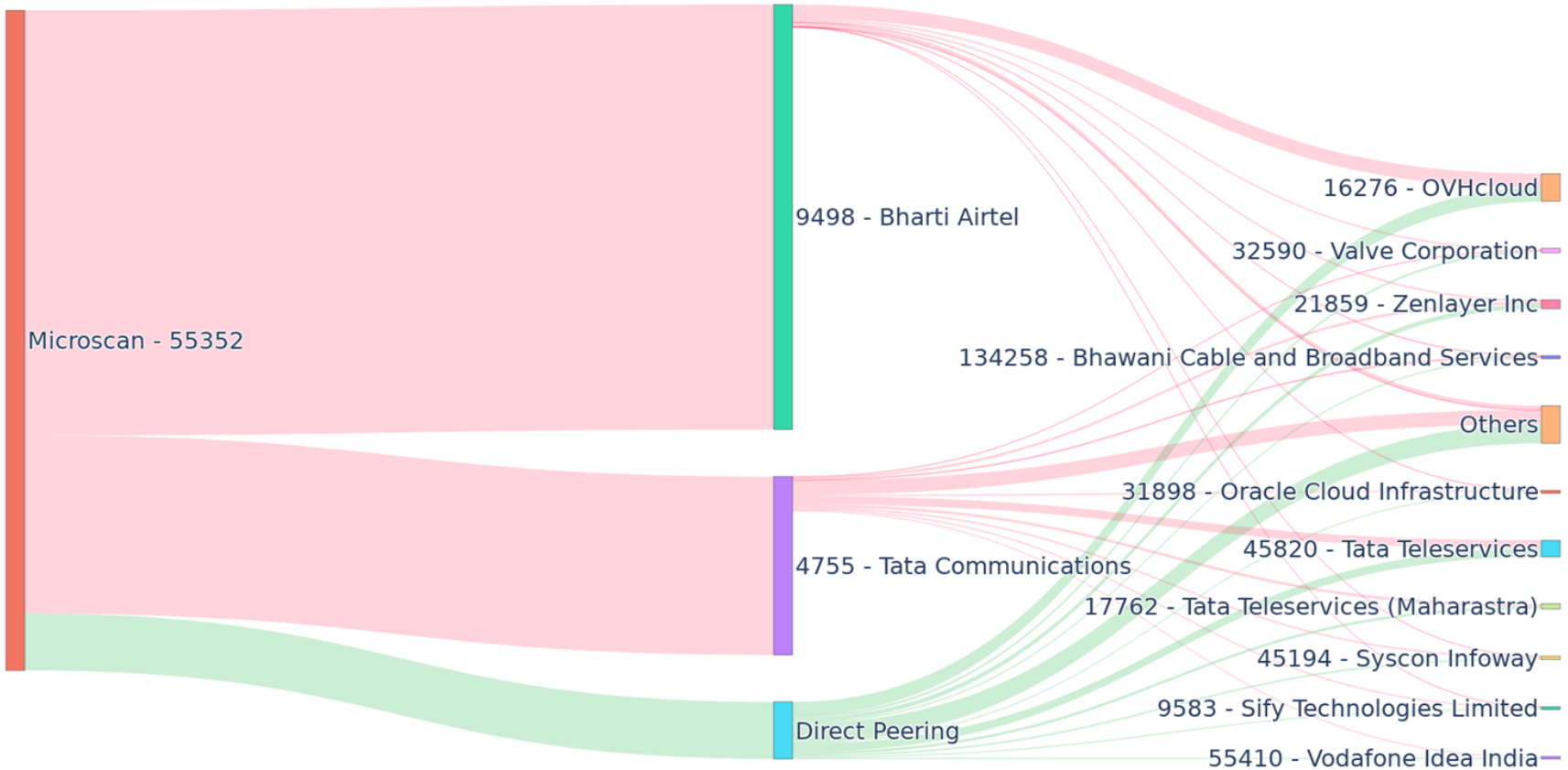
31 ASes Microscan peers with today in Mumbai

ASN	Organisation
16509	Amazon Web Services
714	Apple
10310	Yahoo!
13335	Cloudflare
15133	Edgio (Edgecast)
59200	DE-CIX route servers
47787	Edgoo Networks
45102	Alibaba
6507	Riot Games
138531	(No peeringdb entry)

ASN	Organisation
2635	Automattic
20940	Akamai Technologies
54113	Fastly Inc.
49378	Extreme IX route servers
24029	NIXI route servers
54994	Quantil Networks
11344	(No peeringdb entry)
65535/65352	(No peeringdb entry)
2906	Netflix
55429	Edgio - India

ASN	Organisation
40027	Netflix Streaming Services
63293	Meta
8075	Microsoft
32934	Meta
133001	Airnet Cable and Datacom
15169	Google
36040	Google
21357	(No peeringdb entry)
141268	Lightstorm Telecom
134249	Margo Networks

Transit cost optimisation: 2 weeks, 15-30 Apr ’23



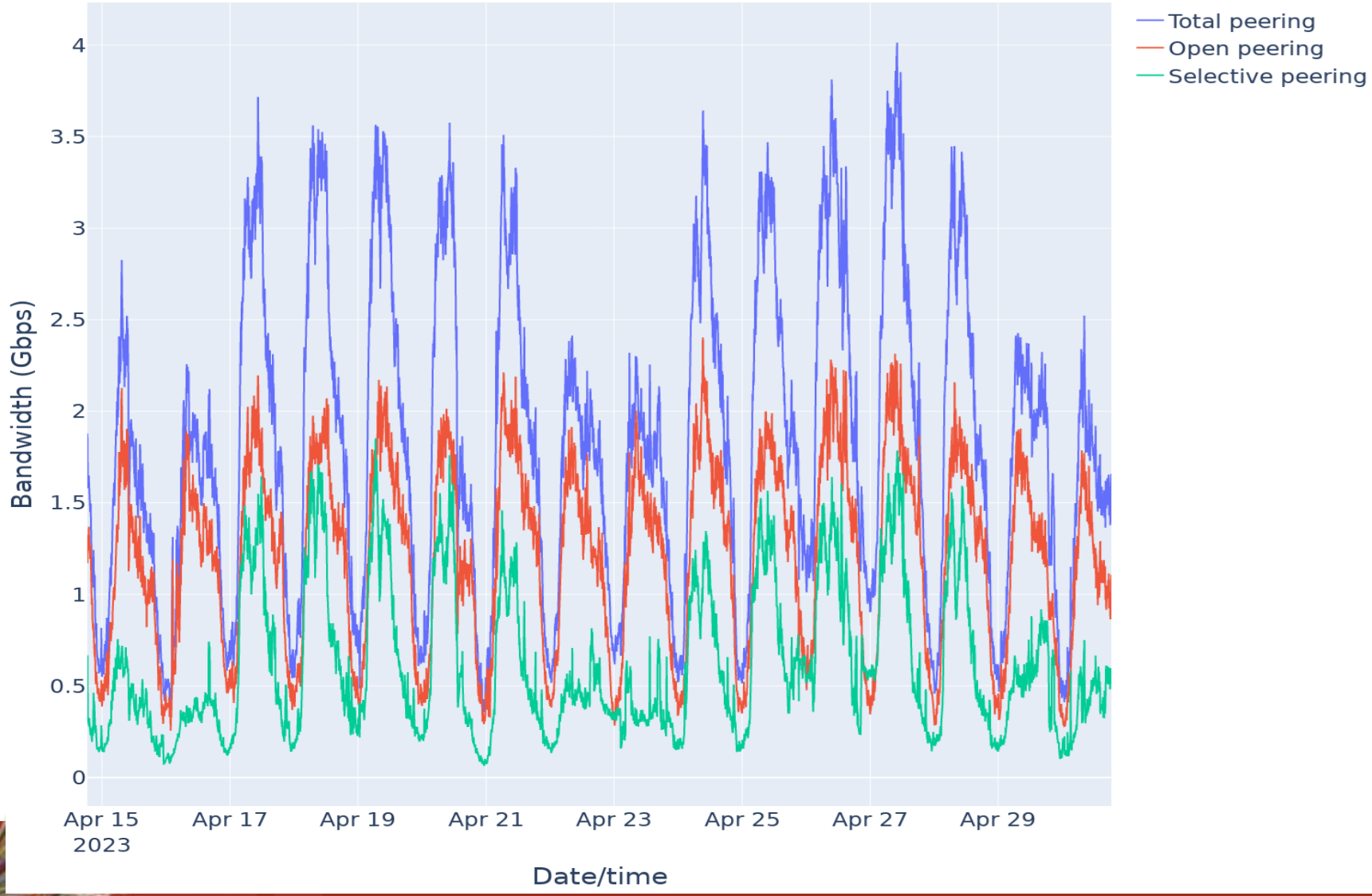
- 3346 TB of transit traffic
- 315 TB can be moved to direct peering
- **9.4% reduction in transit traffic volume**
- 303 ASes are candidates for open peering
- 49 ASes are candidates for selective peering

Top-15 Peering Recommendations for 15-30 Apr ’23

Provider	Last Hop ASN	Total GB	%of of Transit	Peering Facilities
OVHcloud	16276	76629	2.30%	['DE-CIX Mumbai Networks', 'Equinix MB1 Networks', 'Extreme IX Mumbai Networks']
Tata Teleservices	45820	46118	1.40%	['TATA Communications Mumbai Networks']
Zenlayer Inc	21859	24439	0.70%	['CtrlS Mumbai Hyperscale DC1 Networks', 'DE-CIX Mumbai Networks', 'Equinix MB1 Networks', 'Extr
Tata Teleservices (Maharastra)	17762	13710	0.40%	['Equinix MB1 Networks', 'NIXI Mumbai Networks', 'TATA Communications Mumbai Networks']
Valve Corporation	32590	11467	0.30%	['Extreme IX Mumbai Networks']
Syscon Infoway	45194	9878	0.30%	['DE-CIX Mumbai Networks', 'Equinix MB1 Networks', 'TATA Communications Mumbai Networks']
Bhawani Cable and Broadband S	134258	8345	0.20%	['DE-CIX Mumbai Networks', 'Web Werks Mumbai DC2 Networks']
Ishan Netsol	45117	5744	0.20%	['CtrlS Mumbai Hyperscale DC1 Networks', 'Equinix MB1 Networks', 'NIXI Mumbai Networks']
Sify Technologies Limited	9583	7350	0.20%	['CtrlS Mumbai Hyperscale DC1 Networks', 'DE-CIX Mumbai Networks', 'Equinix MB1 Networks', 'Extr
Oracle Cloud Infrastructure	31898	7746	0.20%	['DE-CIX Mumbai Networks', 'Equinix MB1 Networks', 'Extreme IX Mumbai Networks']
Vodafone Idea India	55410	6337	0.20%	['Equinix MB1 Networks', 'NIXI Mumbai Networks', 'Sify Rabale Mumbai Networks', 'TATA Communi
BIGO	10122	1807	0.10%	['CtrlS Mumbai Hyperscale DC1 Networks', 'TATA Communications Mumbai Networks']
Excitel	133982	5003	0.10%	['Extreme IX Mumbai Networks', 'NIXI Mumbai Networks']
Fast 4 Technologies	135269	4957	0.10%	['DE-CIX Mumbai Networks', 'Equinix MB1 Networks']
Idea Cellular	55644	3706	0.10%	['Equinix MB1 Networks', 'NIXI Mumbai Networks', 'Sify Rabale Mumbai Networks', 'TATA Communi

- The above table shows the facilities where direct peering is possible for the last hop ASN providers
- The **top-15** list of ASes accounts for **6.8%** of the overall transit traffic that can be offloaded
- The other **288 ASes** account for the remaining **2.6%**
- Total transit traffic is 3346 TB
- 315 TB can be moved to direct peering
- **9.4% reduction in transit traffic volume**

Capacity savings: 2 weeks, 15-30 Apr ’23



- Plot shows bandwidth of transit traffic that can be offloaded onto peering links
- About 2.5 Gbps additional traffic can go on Open peers
- About 1.7 Gbps of additional traffic can go on Selective peers
- Total 3.5 to 4 Gbps of transit bandwidth can be freed up
- Add several new users without purchasing more transit

Use case 2: Peak rates per bundle

Peak rates per bundle for DoT report: 1-30 Apr ’23

Bundle ID	1-30 Apr → Peak rate (Mbps) observed at 1 minute intervals
100	6590
101	133997
102	6375
103	45961
104	17049
105	34584
106	22350

Use case 3: Number of IPv4 and IPv6 source addresses

of unique IPv4 and IPv6 addresses: 1-30 Apr ’23

User IP address type	Number of unique IP addresses
IPv4	32534
IPv6	695958
Total IPs	728492

Full list of IPs available, if necessary

Get in touch…

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