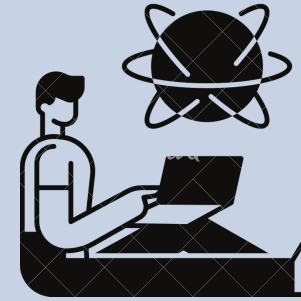
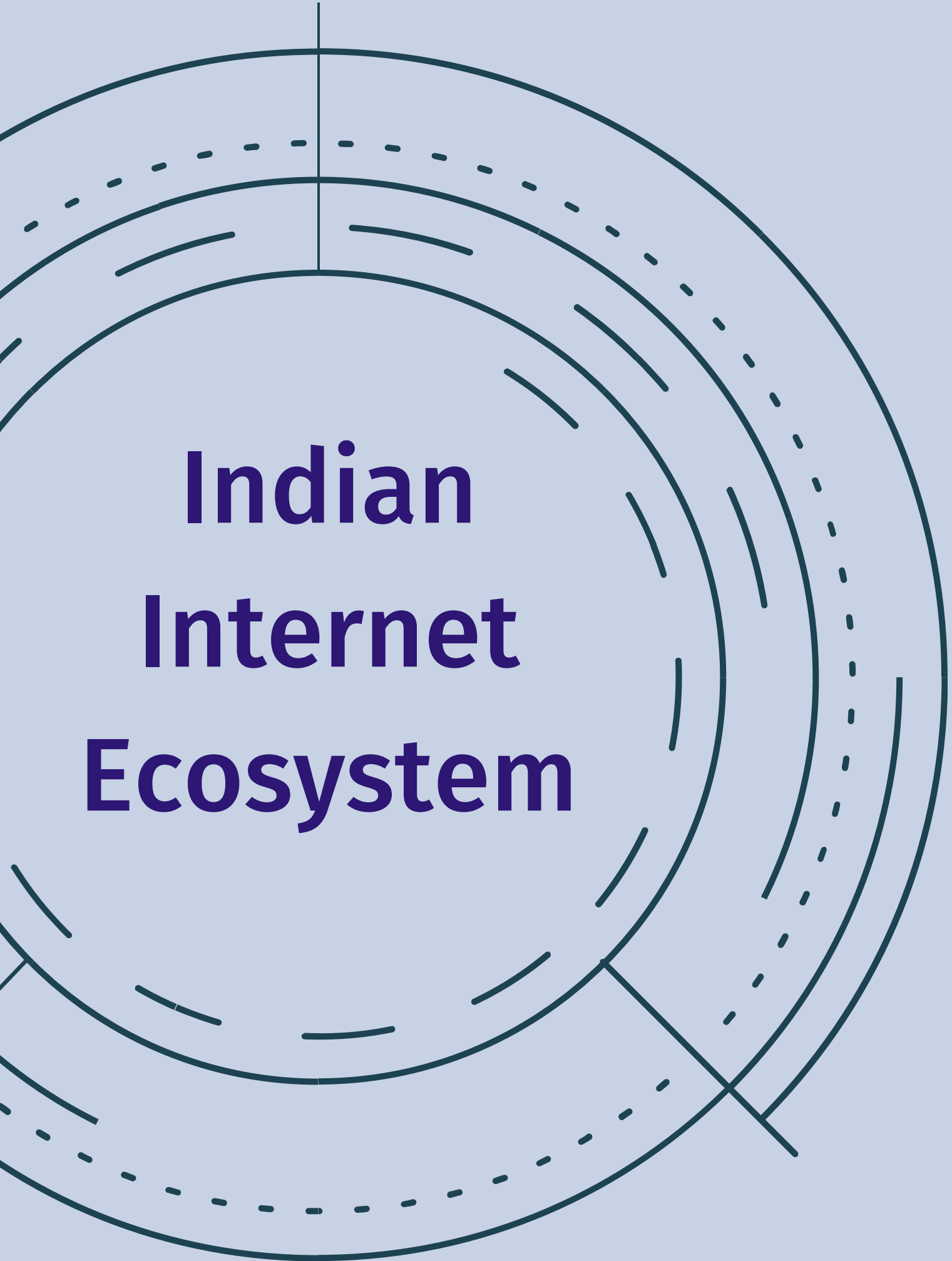
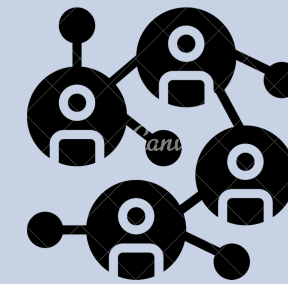




FTTH & INTERCONNECTION in India



696.77m Internet users in 2020



India will have 800m Internet users by 2023



**10-11 Gb per day per user
Average internet consumption**

Advantages of FTTH Service Providers



- Very large transmission medium and speed
- Network immunity against electromagnetic interfering
- Easy and fast Installation
- Low-cost maintenance
- Low cost for connecting additional users
- Simple configuration and administration, using dedicated management network systems
- Low losses in Network
- Increased reliability of broadband transmissions in comparison to other networks, either today or in the future
- Support for future trends like internet of things, M2M communications, SMART Concepts etc

Advantages of FTTH services users are:



- High bandwidth
- Shortening the time of searching and browsing on the Internet
- Increased security at home or in any other building, keeping it under surveillance through video monitoring
- Represents a wide range of opportunities to learn or to search the site regardless of where you are, using electronic learning, virtual Classrooms, virtual Universities
- Ensure that access to work areas (meetings, workshops) without being present, through the Video Conferences
- Provides interactive Entertainment, e.g. various Videogames, Internet protocol television (IPTV) , OTT, 4K, 8K etc
- M-Commerce, Mobile Applications, Online Shopping etc.

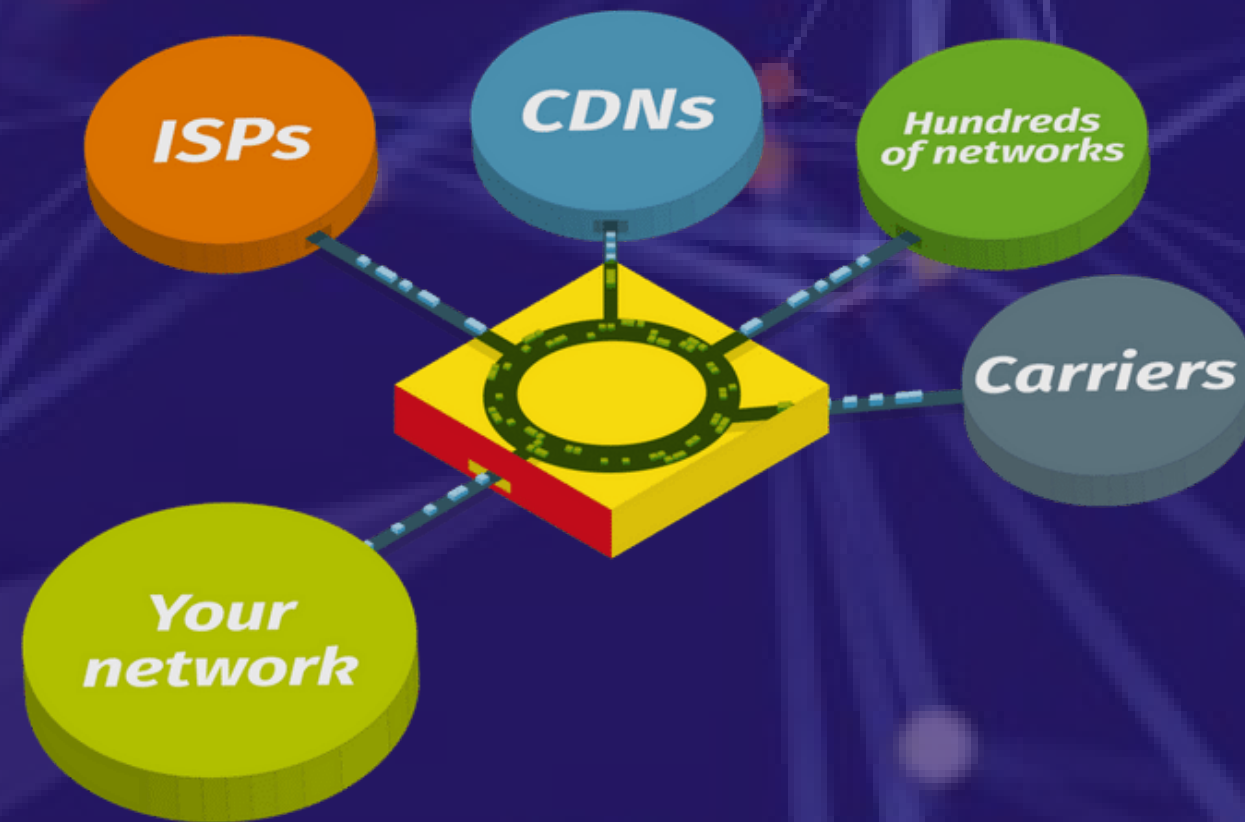
FTTH & Interconnection

Cons of FTTH :

- Financial investment in installation
- Potentially higher monthly service fees
- Limited access to providers

Interconnection enables networks to save up to 90% bandwidth costs.

Interconnection



- Interconnection platform provides direct 1-to-1 or 1-to-many connectivity between the networks involved.
- A Primary role of an Internet Exchange Point is to keep local Internet traffic within a confined area, reduce the costs, and improve the quality of Internet services.

How interconnection helps in overcoming the cons of FTTH?



₹ 2500000

Total Cost **Before** Peering

₹ 1334160

Total Cost **After** Peering

- 1G Port Cost ₹ 22,4160
- Cross Connect Cost ₹ 60,000
- 1G P2P Cost ₹ 7,00,000
- 100 MB Internet Cost ₹ 3,50,000

Above example is for 1G Internet

Benefits of Interconnection



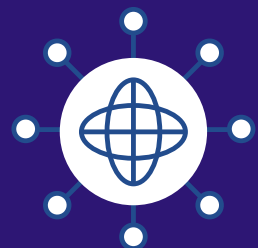
Saving Bandwidth Cost



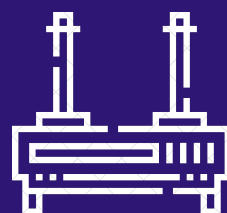
Lowest Latency



Increased network security



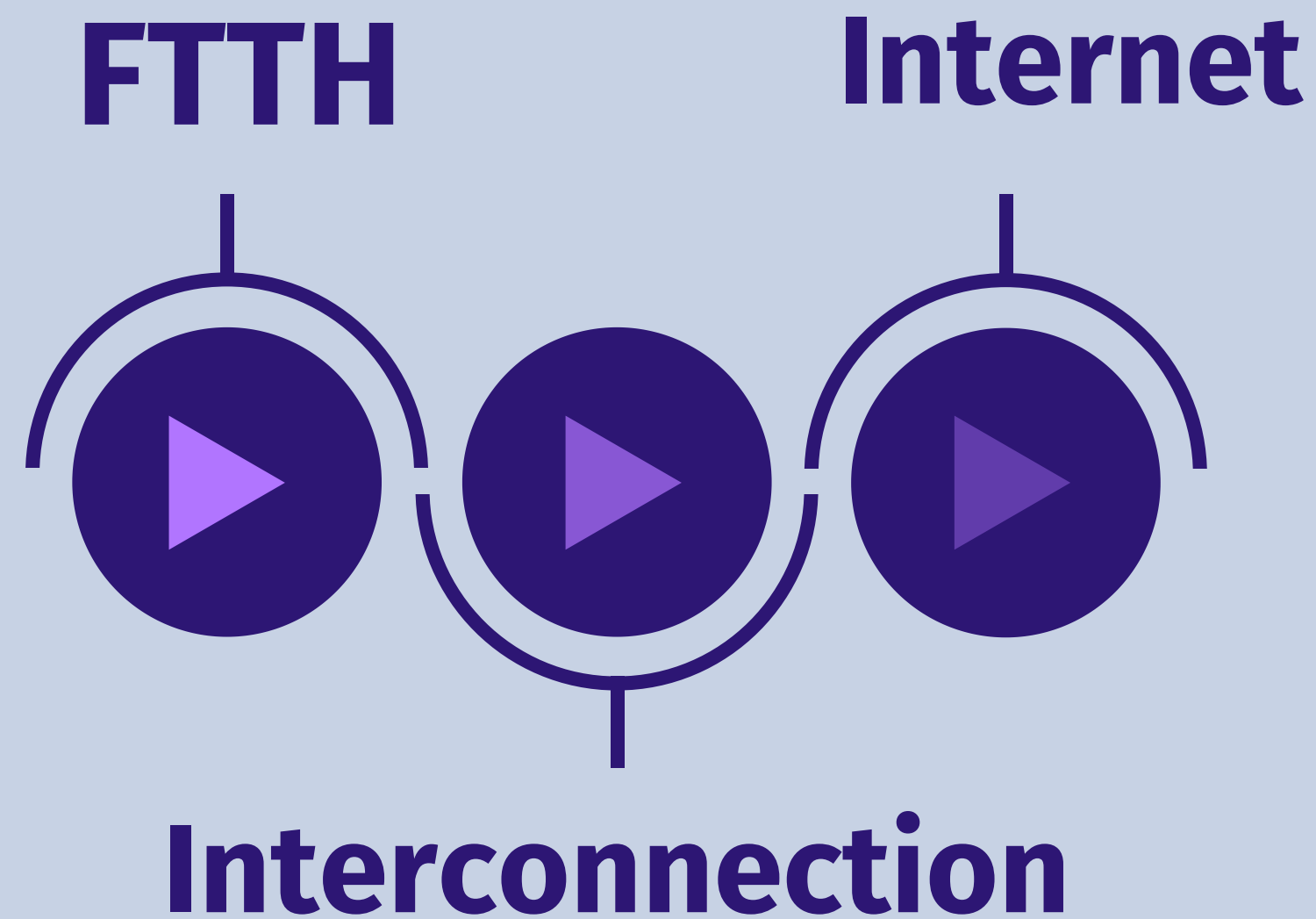
Resilient Network



Increased router control



**Access to Peering Service
and Cloud Providers**



FTTH Technology and Interconnection Platform combined will help in meeting the rising need for Internet Data in a secured and reliable way.



THANK YOU!

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