
IPv6 TRANSITION SIMPLIFIED

Prepare yourself for the next wave of digitization



In the digital era with the adoption of next generation technologies, wide usage of smartphones and unparalleled growth of the Internet over the last decade has made it imperative for organizations across the globe to scale up their infrastructure and move to an all-IP world. With anytime, anywhere access becoming a reality, the rise of device-to-device connectivity has led to the depletion of IPv4 addresses and subsequently organizations have to sooner than later look for a solution to this problem.

IPv6: VIABLE LONG TERM SOLUTION

The fact that IPv4's address space was inadequate in the long term has been known for more than a decade and subsequently a new protocol, IPv6, was defined by the IETF (the Internet Engineering Task Force) in the 1990's as the long-term solution. IPv6 can accommodate exorbitantly high address space for connected devices and make augmented virtual reality and the Internet of things possible. Consider the fact that there are not enough IPv4 addresses to allocate one to every human being alive today, but there are enough IPv6 addresses to allocate ten to each atom in every human being alive today!

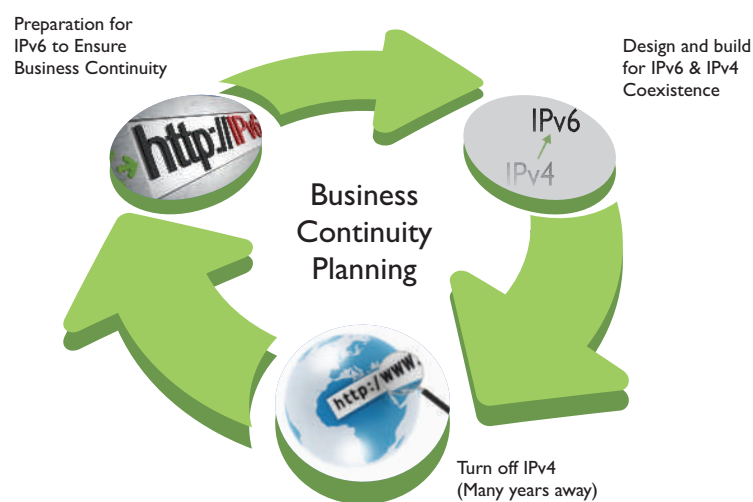
CHALLENGES FOR IPv6 TRANSITION

With IPv4 devices and networks being pervasive we would require a dual operation mode for the years to come and today organizations are taking a slow paced approach to migration. The other challenge is that both IPv4 and IPv6 are not backward compatible although both can simultaneously exist on the same physical layer. There has been a considerable lack of awareness among organizations and this is acting as another hinderance to IPv6 migration.

To cater to these challenges organizations need to seek for a partner who can help in migration from IPv4 to IPv6 and also ensure business continuity causing minimal impact so that both IPv4 and IPv6 can coexist.

WIPRO'S APPROACH TO IPv6 MIGRATION

To realize the true potential of the digital economy and to enable next generation services, organizations will have to plan their IPv6 migrations soon and need to be mindful of business continuity. Evaluating software and hardware aspects exhaustively before launching a migration plan will eliminate gaps that can have a direct impact on the availability of many critical services.



- Preparation should be such that design and build doesn't become prohibitively expensive
- Design, build and migration should be achieved with minimal impact

Wipro has experience working with leading telecom players across the digital value chain which not only helps in IPv6 transition but also helps organization to develop a long term strategy towards IPv6 migration.



Those that haven't yet developed a plan for migration could benefit from Wipro's extensive experience in current state assessment, the development of practical transition plans and testing Wipro is technology and vendor agnostic so plans it develops primarily depend on the client's needs.



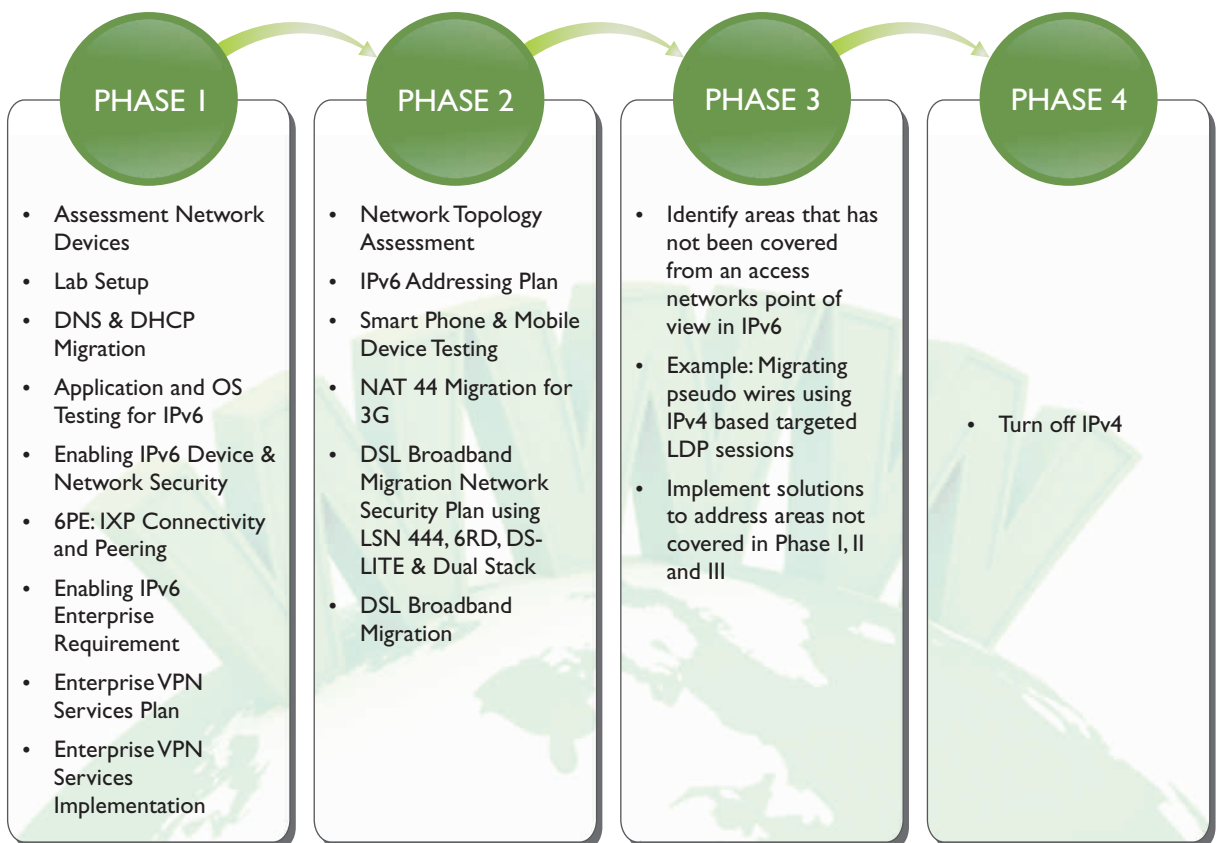
Those that are at an advanced stage of planning could benefit from Wipro's practical experience in rolling out and managing the next generation of devices and networks.



Those that already have an IPv6 network up and running, Wipro's experience in application development could help recoup some of the investment made by taking advantage of IPv6's capabilities.

WIPRO'S PHASED NETWORK MIGRATION PLAN

Wipro has a dedicated team with expertise and experience in all aspects of deploying dual IPv6/IPv4 environments from network audit, to design and deployment through ongoing network management and maintenance.



WINNING IN A DIGITAL WORLD

Wipro's comprehensive suite of converged services addresses the entire Digital value chain which includes Content Providers, Independent Software Vendors, Network Equipment Vendors, Communication Service Providers, Media, Entertainment & OTT players as well as Device Vendors. Our vertically aligned business model allows us to understand customer business imperatives and technology service lines give us the unique ability to architect integrated technology solutions partnering with organizations to Do Business Better and win in a Digital World.

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