Telkom DSL Top Up

Information

Purpose:

Gone are the days that you had to purchase another username to continue surfing the Internet when you have reached your cap. With TelkomInternet DSL TopUp you can now purchase additional bandwidth (gigs) on your existing TelkomInternet All*Access* username.
.
TopUp is simple and easy with a MasterCard or Visa credit card. This TopUp facility will allow you to TopUp your account with Shaped Blended or Unshaped Blended depending on your current product.

What is Shaped data?

In layman's terms, the shaped service prioritises keystroke activities -things you do while sitting in-front of your PC. So when you're surfing your favourite site, doing your banking or checking your e-mail, this option will work best for you.

For those of you that need to know more, read on. The shaped service distinguishes between the various protocols used over the Internet. The main priority is HTTP. At present, all international HTTP traffic is transparently cached for ADSL users. All international un-cached data is shaped. The following un-cached protocols are prioritised on the network HTTP(in certain cases HTTP is not cached due to website incompatibilities), HTTPS, FTP, Mail (POP3, SMTP and IMAP), SSH and TELNET. Any protocol not mentioned above will receive a lower priority on the network.

What is Unshaped data?

In layman's terms, whichever activity you are doing or leaving your PC to do, while not there, all available bandwidth will be used for this application or protocol.

This service will offer you unshaped international bandwidth and a higher data transfer rate. The unshaped service will not shape the un-cached protocols. All protocols will therefore share the available bandwidth equally. Similarly, local bandwidth will remain as is with no shaping implemented. Keeping this in mind, this service is typically designed for a niche market including, for example, your typical Forex Trader, specific gaming applications, secure work from home options and VPN's. All these applications can use unfamiliar protocols, which are not necessarily bandwidth intensive but require an unshaped service to work optimally.

What is Blended data?

Blended bandwidth is international and local data combined.

What is Local Only data?

Local only applies to servers that are hosted in South Africa. *Please remember* that this is not to say that .co.za is a local hosted server because anyone can purchase such a domain. TelkomInternet will suggest contacting the specific web master of that website to find out if their server is locally hosted.

What is "Gig" as used by TelkomInternet

In January 1999, the International Electronic Commission (IEC) introduced the prefixes *kibi-*(Kibibyte), *mebi-*, *gibi-*, etc., and the symbols Ki, Mi, Gi, etc. to clarify the ambiguity of binary prefixes which are often written and pronounced identically to the SI prefixes. On March 19, 2005 the IEEE promoted these binary terms in standard IEEE 1541-2002 (Prefixes for Binary Multiples), which now placed much more emphasis in the correct usage of binary terminology and prefixes. As of 2007, the IEC binary naming convention is still not extensively used.

When TelkomInternet establish their DSL line of products, binary terms such as Gibibyte and others were not common in the marketplace and ambiguity was still widespread when referring to KB, MB and GB. In order to not use unfamiliar language, TelkomInternet chose to incorporate the word Gig instead of Gibi in their product marketing. At the same time, the consequence of using this term and its associated ambiguity resulted in the decision to interpret a Gig as a Gibi, when actual calculations were performed. One GiByte is equal to *1024 x 1024 x 1024 Bytes*, which implies that the 3Gig ADSL product indirectly implies that you are receiving *3 x 1024 x 1024 x 1024 Bytes* which is *3 221 225 472 Bytes* of bandwidth in total. If decimal (base 10) and not binary (base 2) was used to calculate bandwidth, then a 3Gig product would result in you receiving *3 x 1000 x 1000 x 1000 Bytes*, which totals *3 000 000 000 Bytes*, which is 7% less than *3 221 225 472 Bytes*. TelkomInternet therefore calculates and bill bandwidth usage in such a manor, that should the ambiguity be disputed, it would stand to the benefit of you our subscriber. In theory, we are giving you *7%* more value, than the IEEE standard stipulates.

How much will additional data (gigs) cost me?

	New price
1 GB Shaped	R 39.00
1 GB Unshaped	R 59.00

TopUp need to know!

- An unshaped ADSL account can be topped up with additional unshaped blended only
- A shaped ADSL account can be topped up with additional shaped blended only
- All additional data purchased in a particular month will be available in the same month of purchase only and will be forfeited when the new calendar month starts.
- Therefore additional data purchased cannot be transferred from one month to the next.
- Blended data (shaped or unshaped) will always be consumed first; thereafter you will be moved to the local only data, once you have reached your blended cap. This implies that should you be using your local only data and TopUp with blended data, upon the next login the blended data will receive priority (to be utilized first) and once consumed you will be moved back to your available local only data.
- When you are using your local data and purchased additional blended data you will have to disconnect your Internet DSL connection and reconnect.
- Additional data purchased cannot be refunded or exchanged for cash.
- Only the following realms will be allowed to make use of this top-up feature:

- Should you experience any problems please don't hesitate to contact our

Telkom*Internet* helpdesk at 10210

Telkom InternetDSL Top up Information