What is NTRIP?

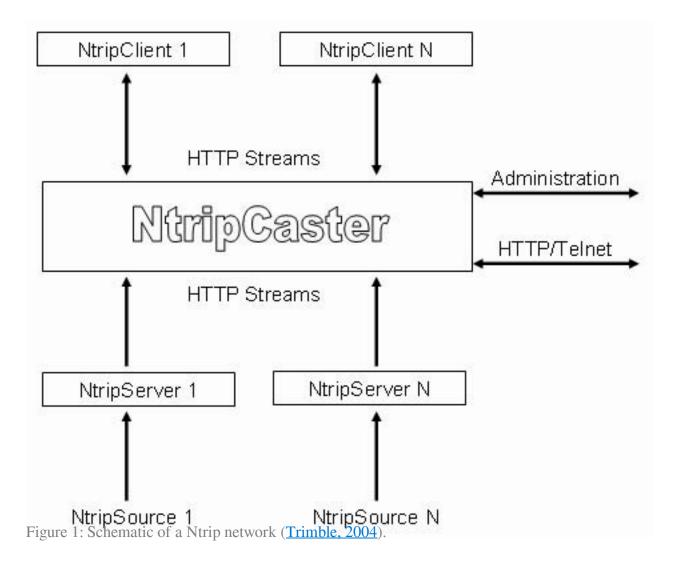
291 Beth Bartel November 18, 2008 <u>O & A, Software</u> 4726

What is NTRIP?

"Networked Transport of RTCM via Internet Protocol," or NTRIP, is a protocol developed by the Federal Agency for Cartography and Geodesy of Germany (<u>BKG</u>) that enables streaming of DGPS or RTK correction data via the internet.

There are three major parts to the NTRIP system: The NtripClient, the NtripServer, and the NtripCaster (Figure 1):

- The NtripServer is a PC or on-board computer running NtripServer software communicating directly with a GNSS reference station. The NtripServer serves as the intermediary between thd GNSS receiver (NtripSource) streaming RTCM data and the NtripCaster.
- The NtripCaster is a HTTP server which receives streaming RTCM data from one or more NtripServers and in turn streams the RTCM data to one or more NtripClients via the internet.
- The NtripClient receives streaming RTMC data from the NtripCaster to apply as real-time corrections to a roving GNSS receiver.



Check out the BKG NTRIP Homepage for more information and for downloads.

For a more detailed summary of how NTRIP works, check out Trimble's "Networked Transport of RTCM via Internet Protocol (NTRIP) - Application and Benefit in Modern Surveying Systems" (2004).

Online URL: https://kb.unavco.org/article/what-is-ntrip-291.html