PPP

Overview

The Point-to-Point Protocol (PPP) provides a standard method for transporting multi-protocol datagrams over point-to-point links. PPP in RouterOS is based on RFC 1661 standard.

Introduction

The basic purpose of PPP at this point is to transport Layer-3 packets across a Data Link layer point-to-point link. Packets between both peers are assumed to deliver in order.

PPP is comprised of three main components:

1. A method for encapsulating multi-protocol datagrams.
2. A Link Control Protocol (LCP) for establishing, configuring, and testing the data-link connection.
3. A family of Network Control Protocols (NCPs) for establishing and configuring different network-layer protocols.

Detailed PPP packet processing in RouterOS you can see in the Packet Flow Diagram.

PPP Client

```
/interface ppp-client
```

PPP Client example

This is an example of how to add a client using an exposed serial port from an LTE modem.

```
/interface ppp-client add apn=yourapn dial-on-demand=no disabled=no port=usb2
```

The dial-on-demand should to be set to 'no' for a continuous connection.

PPP Server

```
/interface ppp-server
```