

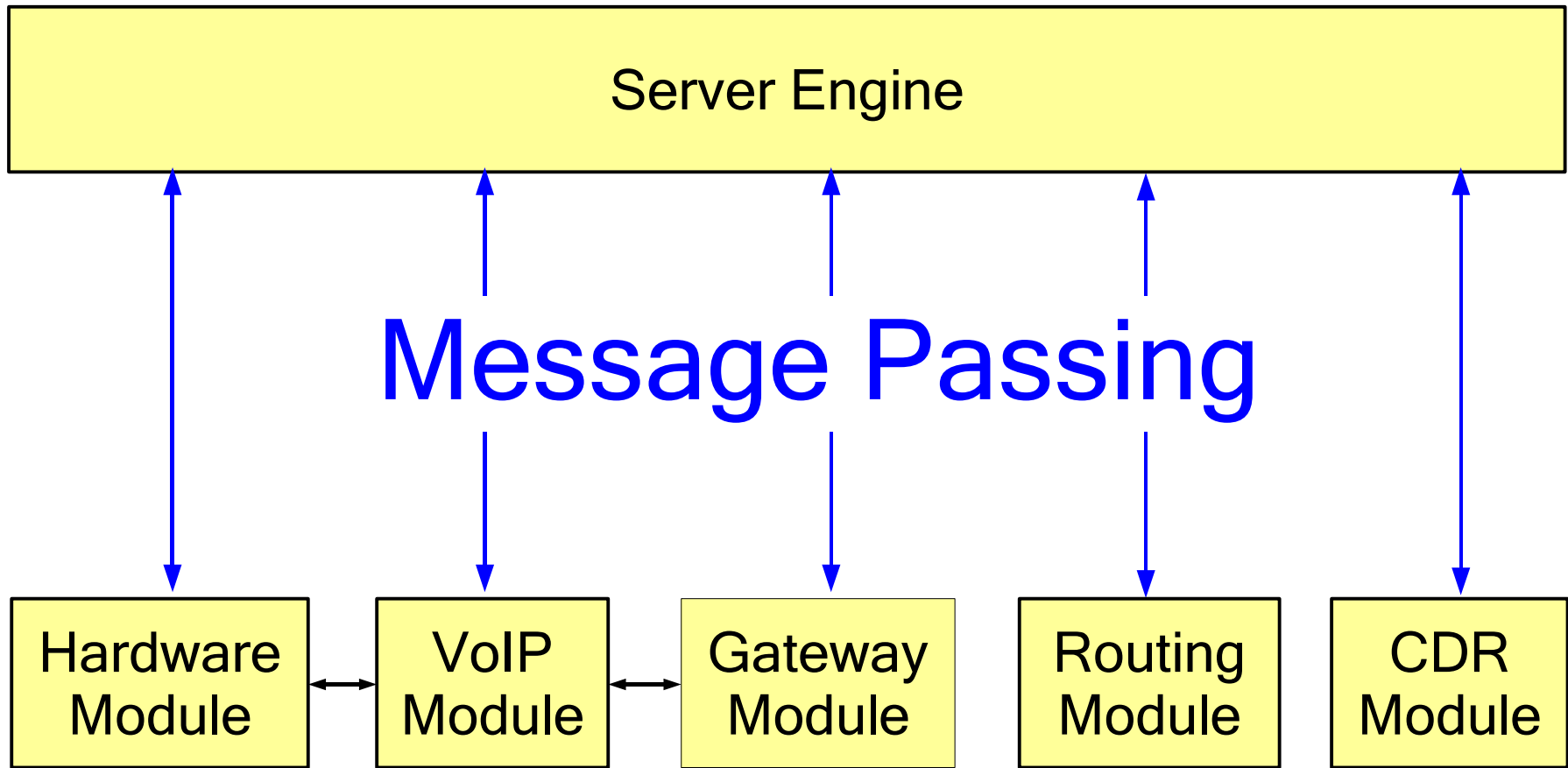
YATE

Yet Another Telephony Engine

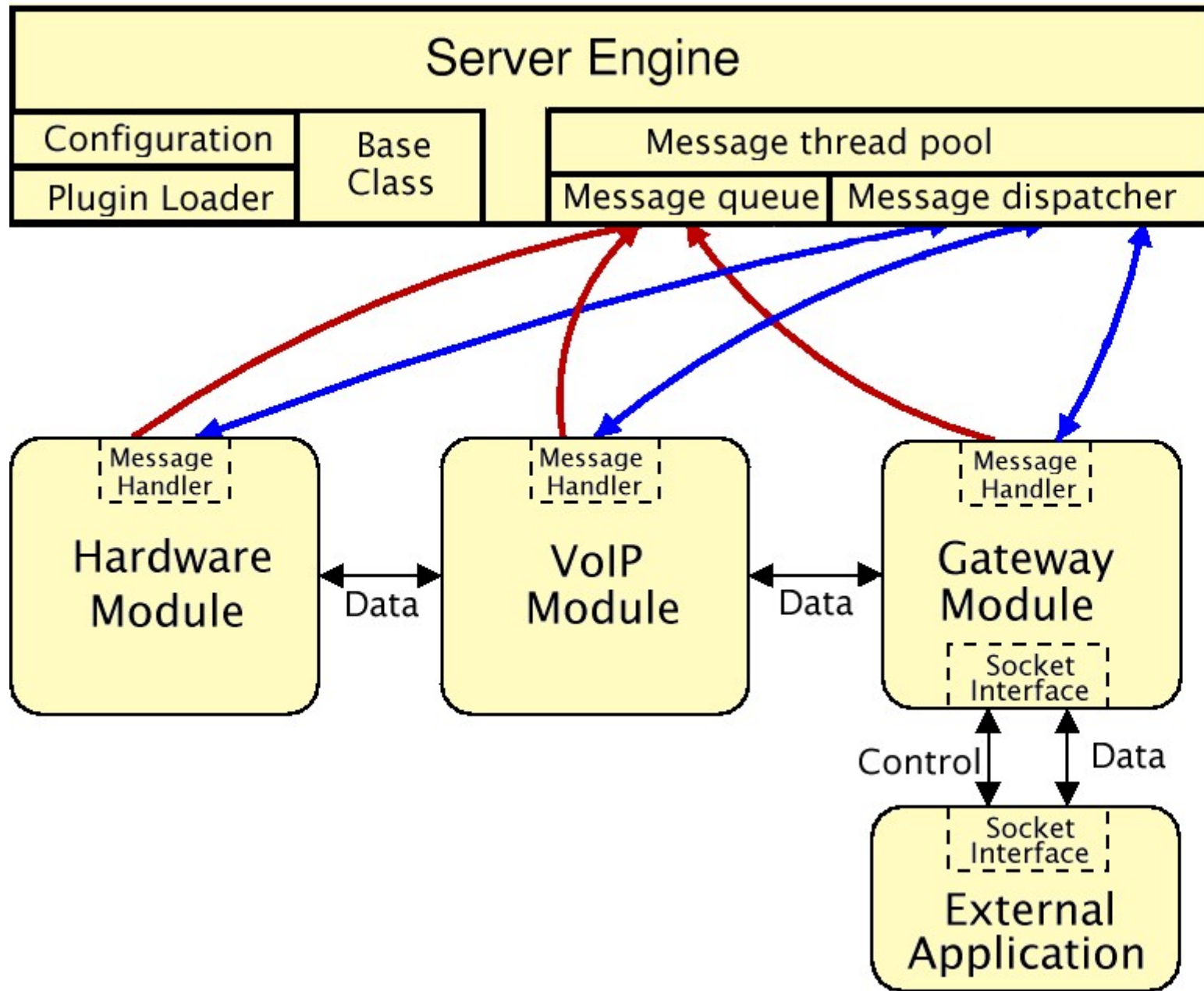
<http://yate.null.ro>

What is Yate?

- Yet Another Telephony Engine
- Can be used as Gateway, PBX or IVR system.
- Written in C++ and supports scripting (e.g. PHP)



↔ Data Passing



Messages and Modules

The main component of Yate are messages. Modules are passing messages between them. This allows us to have a bigger flexibility than functions, mainly because messages in Yate can have an arbitrary number of parameters.

Yate is built from 3 parts:

- core engine - message classes
- generic classes for telephony
- modules: H323chan, YSIPchan, RegexRoute, CdrBuild

Hardware interfaces

Supports:

- E1/T1 with EuroISDN
- Zaptel drivers
- cards from Sangoma, Digium

Software interfaces

Supports:

- H.323 - supported by using OpenH323
- SIP - by using Yass
- IAX (and IAX2) - by using forked libiax

Routing and Billing

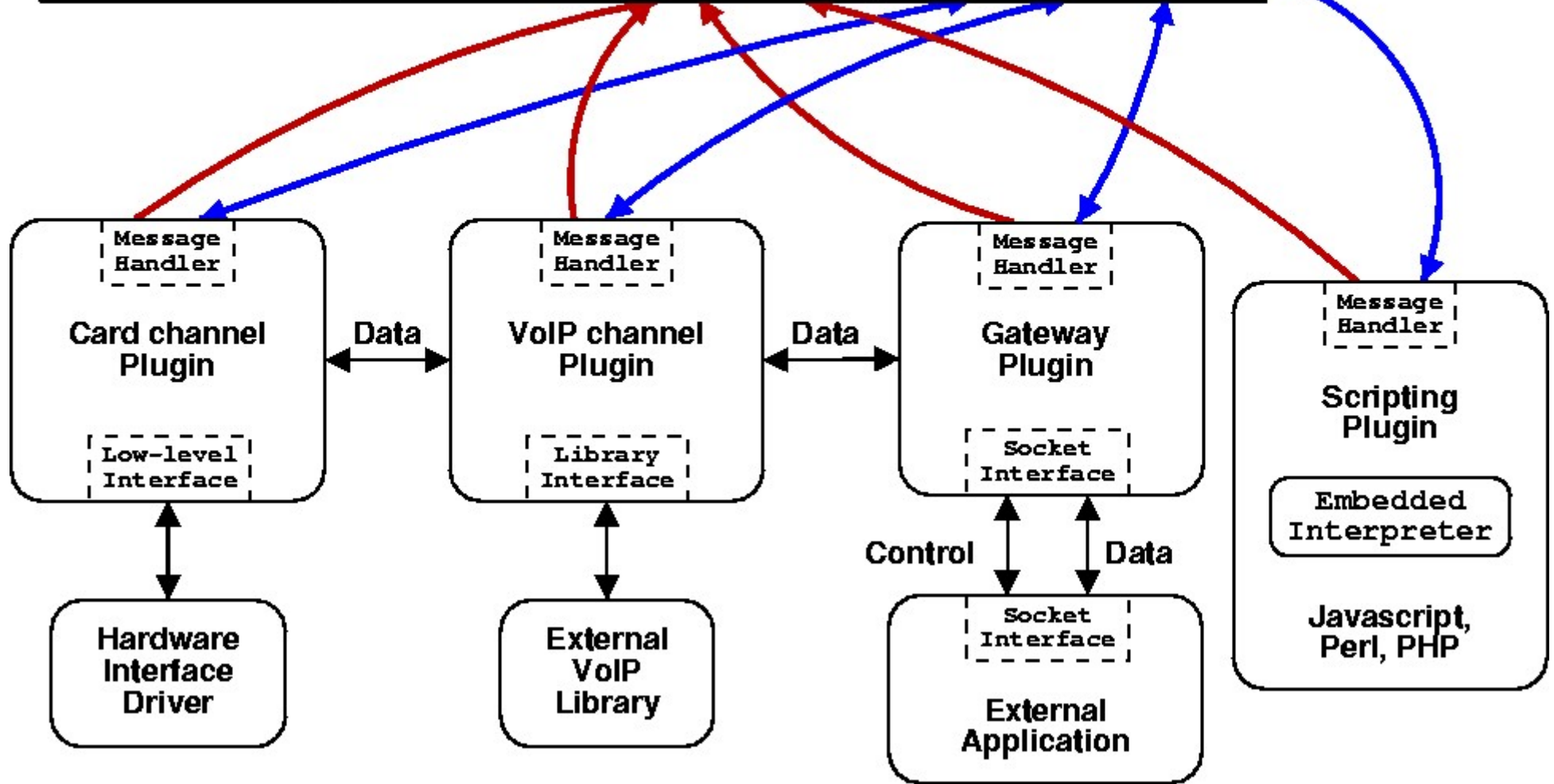
Routing is one of the most important parts of a PBX.

Yate provides modules to do routing with regular expressions and with a PostgreSQL database.

Building new routing modules is very easy.

Billing is similar with routing. Messages from the engine can be interpreted by an external module.

Server Engine



Target Market

- PBX
- IP Telephony
- PC to Phone prepaid and postpaid systems
- Phone to Phone prepaid and postpaid systems
- IVR's
- Callcenters - PSTN, IP
- Voice Mail
- H323 - SIP signalling proxy
- Multiprotocol proxy

Yate licensing

Yate is licensed under GPL (General Public Licence) with exceptions for linking with OpenH323.

Yate will not have another license - in this way it will encourage contributors.