

XLX Multiprotocol

Gateway Reflector



The Key Points of the XLX Multiprotocol Reflector Gateways

- Open Source.
- Object oriented written in C++.
- Multi-thread.
- Multiprotocol.
- Polymorph.
- Very quick and easy installation on Linux.

- No local database.
- Dashboard is completely written in PHP.
- Access control over black white listing.
- Decentralized linking the XLX Protocol.
- Runs as a service.

Motivation

Why another Reflector System ?

- Creation of an open source alternative to the existing monopoly system (the sysop can decide freely)
- Bypassing obscure compulsory registrations such as E.g. US trust. Br (Any sysop is responsible in a decentralized network)
- Merge all users rather than to scatter them in different camps. Multi Protocol (DPlus, DCS, DExtra and multi standard such as D-star, DMR and C4FM)
- Ease of use for users

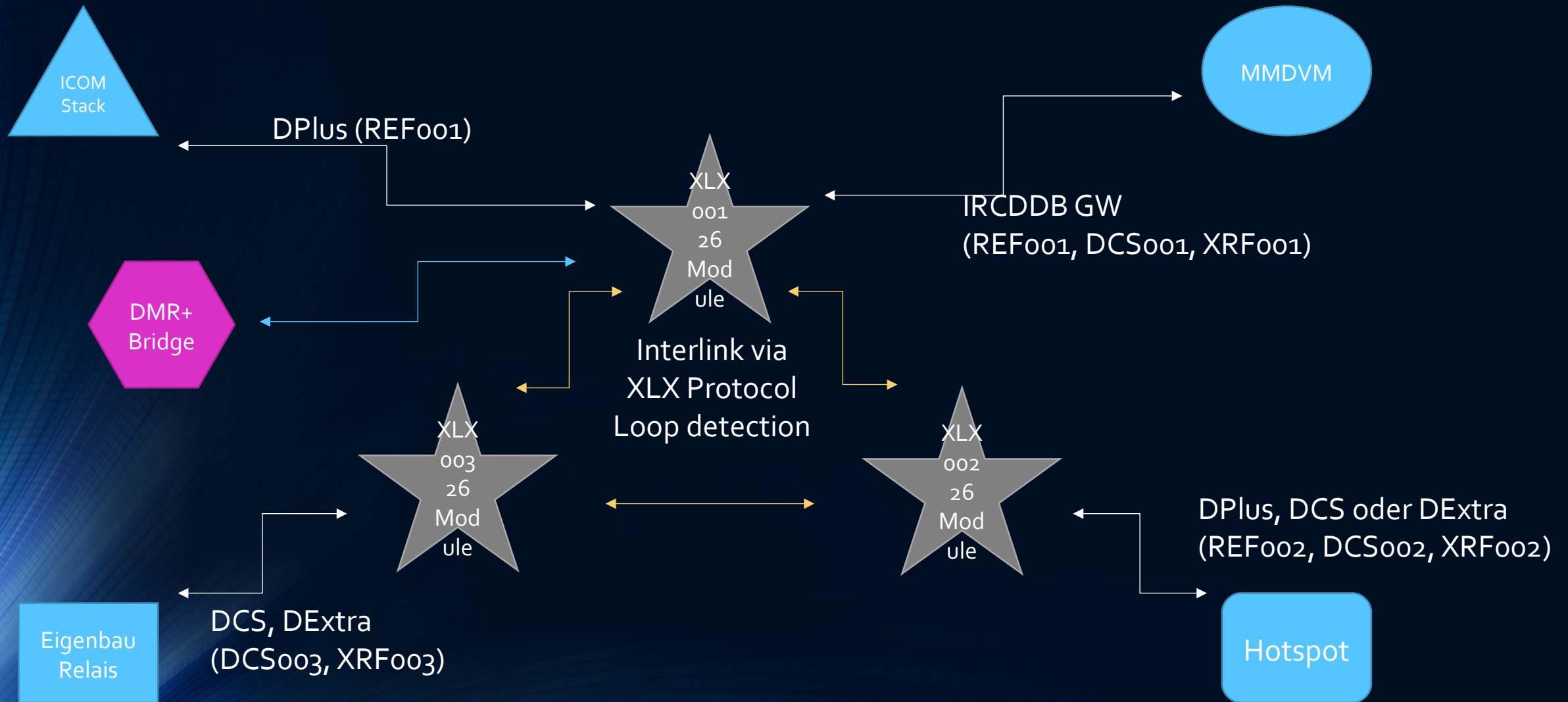
- Suggestion of experimentation in terms of ham spirit
- Promotion of international cooperation (DVC, Yahoo Group, etc.)
- Networking the reflectors by the inter link protocol.
- Distancing himself from financial motivation through GPL license and Linux.
- No prioritization of hardware or manufacturers.

The Aim of the Project

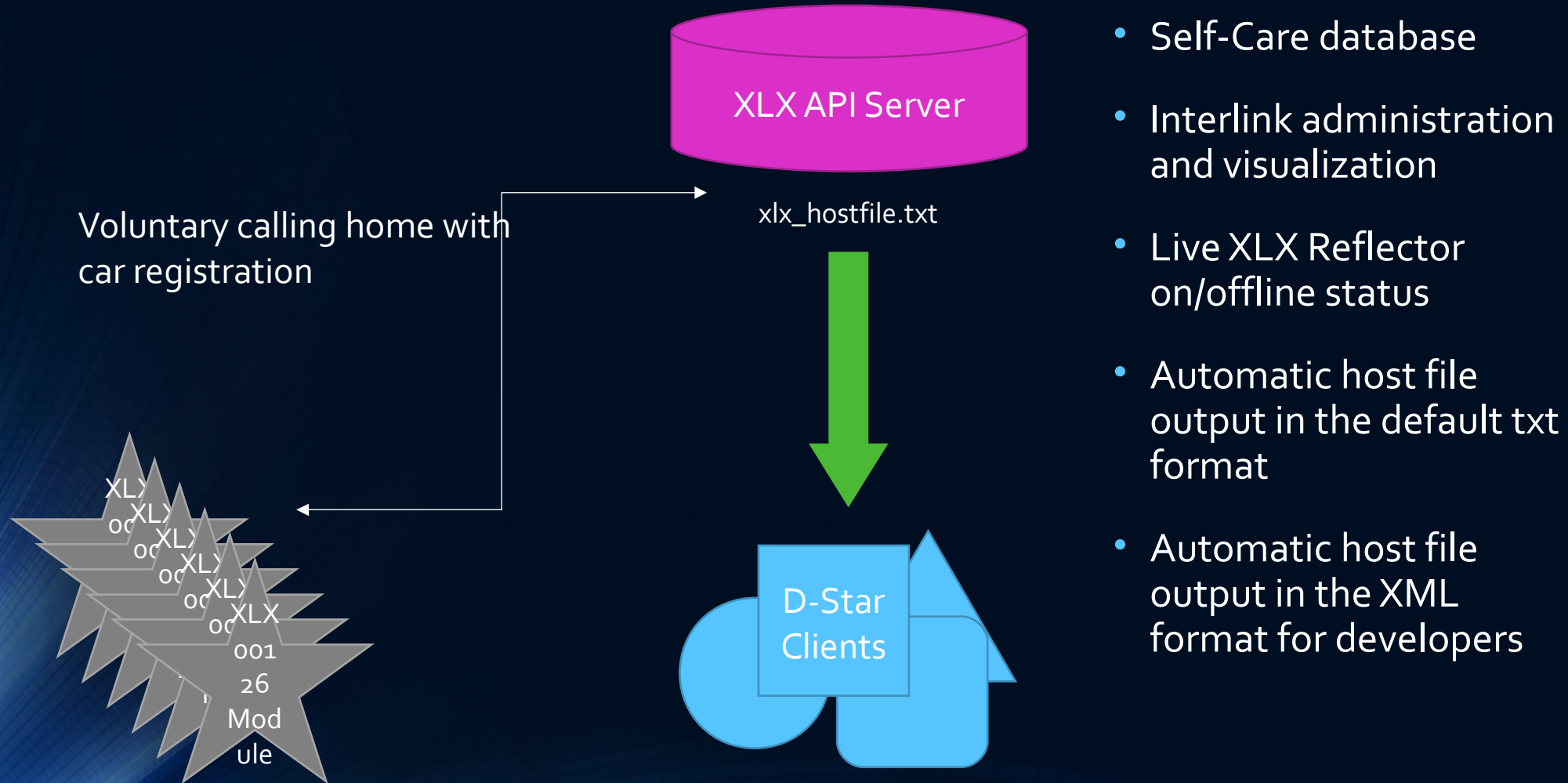
- The use of a common and modern programming language that can be used on any platform.
- No OS or library dependency. (Full C++ (11) and PHP)
- Performance and resource-saving through object-oriented programming.
- Scalable native multithreading
- No unnecessary features like GPS or messages.

- Ease of use for the sysop through the dashboard and the voluntary calling-home function.
- Hedging about a gatekeeper by the sysop.
- Loopsichere networking through a proprietary networking protocol.
- Attractive for the users and operators through a modern dashboard with customizable design.
- Open JSON interface for developers.

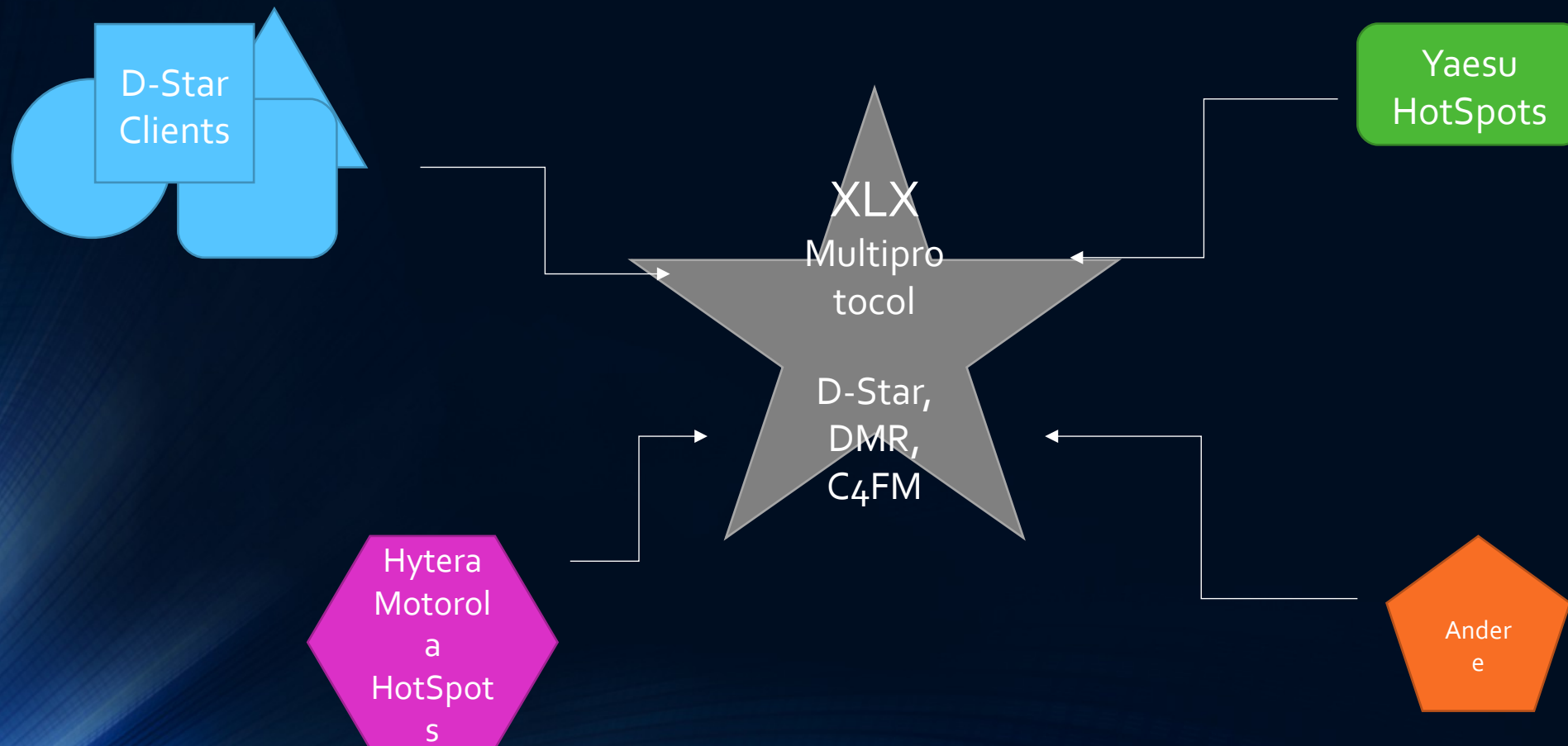
The Operation of the XLX Multiprotocol Gateways Reflector



The XLX API Server



XLX Multiprotocol Reflector Gateway, Our Vision



Useful links:

- **Radioamateurs du Luxembourg**
<http://www.rlx.lu>
- **XLX Yahoo Support Gruppe**
<https://groups.yahoo.com/neo/groups/xlxd-star/info>
- **XLX API Server**
<http://xlxapi.rlx.lu/api.php?do=GetReflectorList>
<http://xlxapi.rlx.lu/api.php?do=GetReflectorHostname>
- **3D Dashboard (Beta)**
<http://xlx.epf.lu:8080/>

Open Discussion