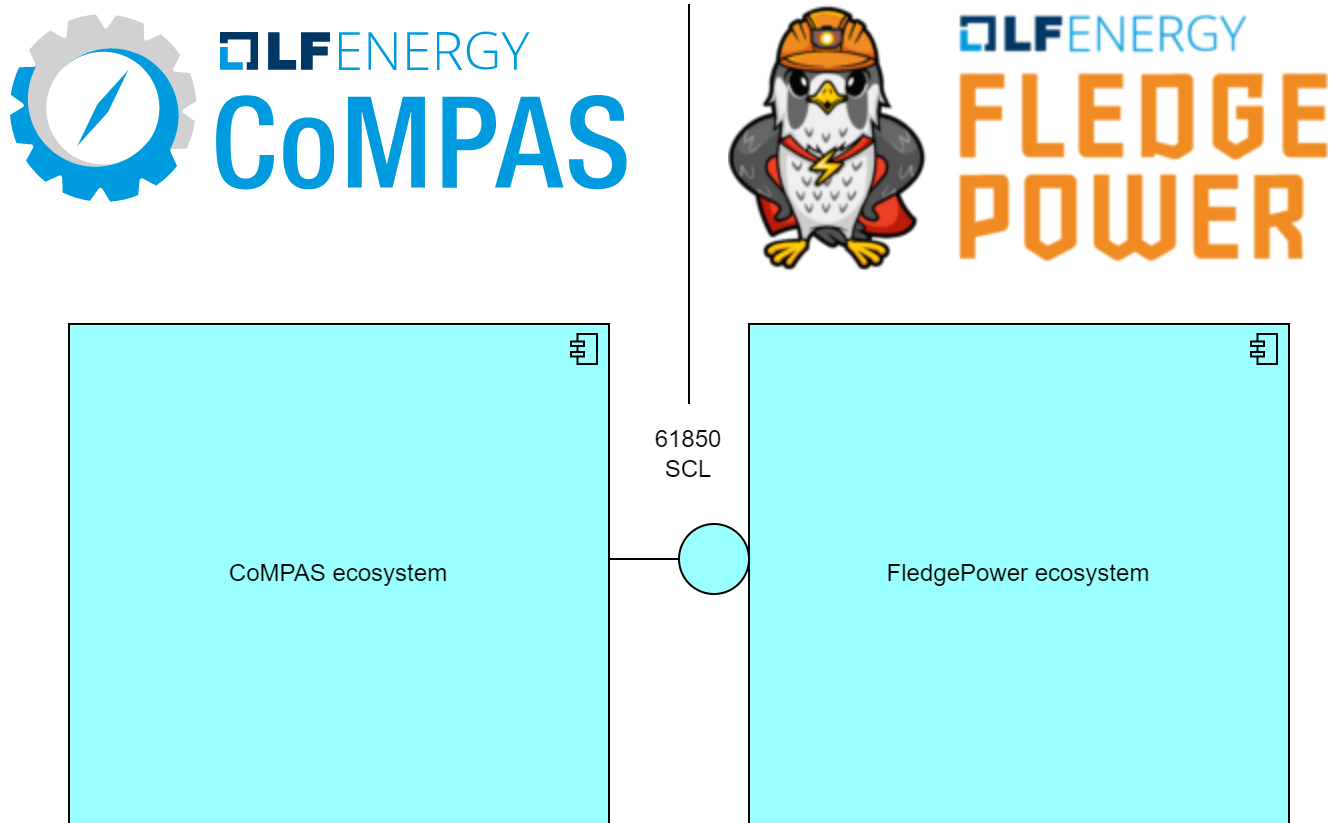


PowerConf - CoMPAS/FledgePower integration

CoMPAS provides software to build IEC61850 based configurations using 61850 system configuration language (SCL). This is standardized by the IEC and used by many (IED) vendors. In order to be interoperable with current market trends, it would be nice if Fledge can support SCL input to configure FledgePower. FledgePower can be seen as a IED in 61850 terms (IED; intelligent electronic device). Fledge should be feed by a CID (configured IED description).

Idea of us using IEC 61850 SCL as intermediate format for configuring IEC61850.

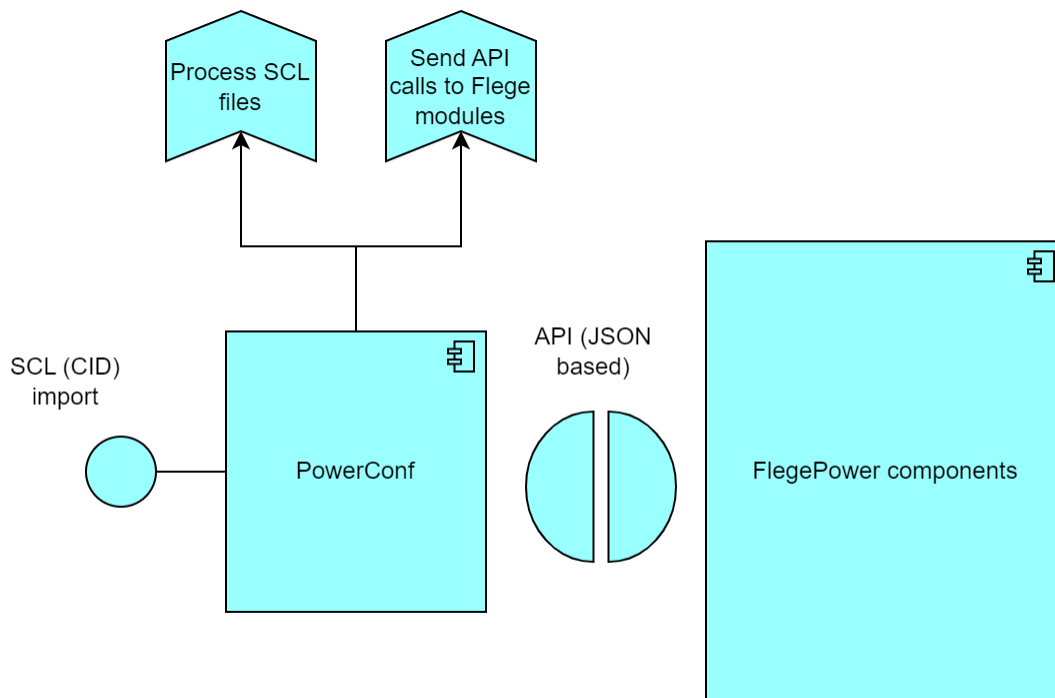


Open questions:

Does fledge need private extensions?

Where does FledgePower process the SCL file?

Solutions suggestion:

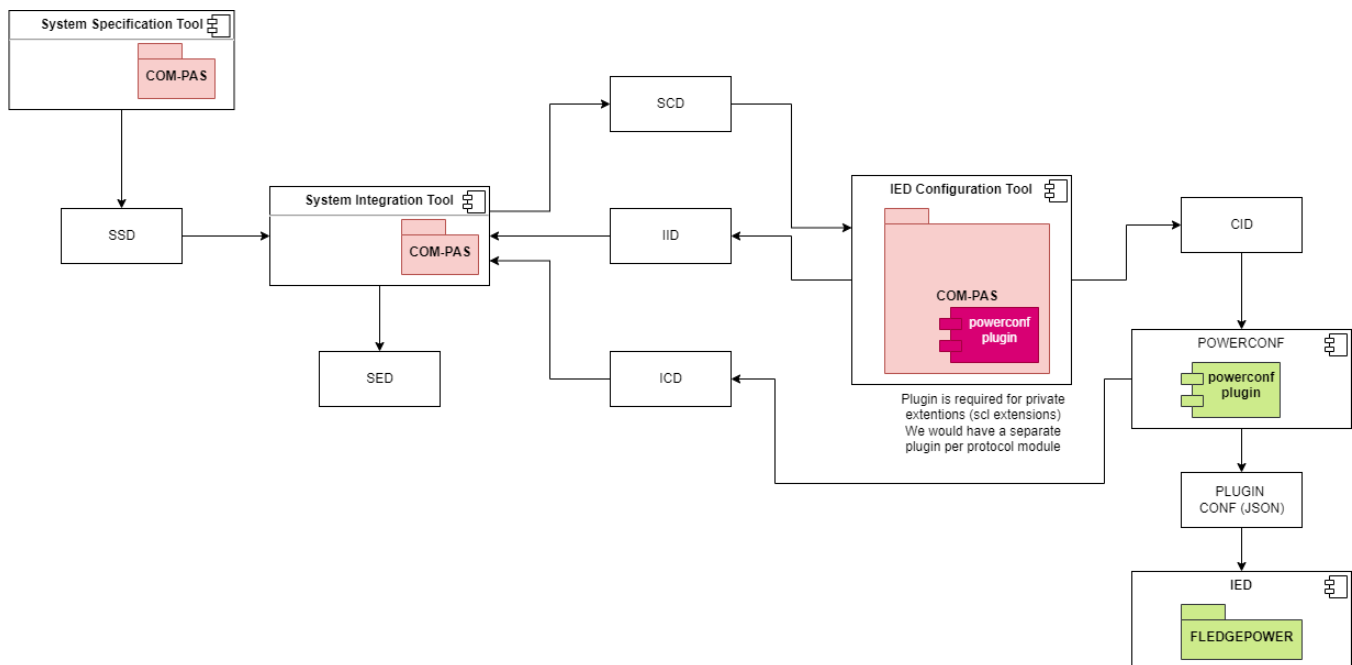


Build an SCL importer that can read the SCL based XML and convert it into API call to configure relevant Fledge plug-ins.

The SCL importer can be hosted centrally or on the local device itself.

61850 tooling and Fledge

Mapping between the 61850 engineering process and the tools



There is only a CoMPAS powerconf plugin needed; IEC 61850 <private> types are needed.

61850 to 104 gateway

In order to configure FledgePower as an 61850/104 gateway; The following IEC documents provide direction:

61850-80-1

61850-90-2

First tries:

[marcvanraalte/fledge-configuration \(github.com\)](https://github.com/marcvanraalte/fledge-configuration)