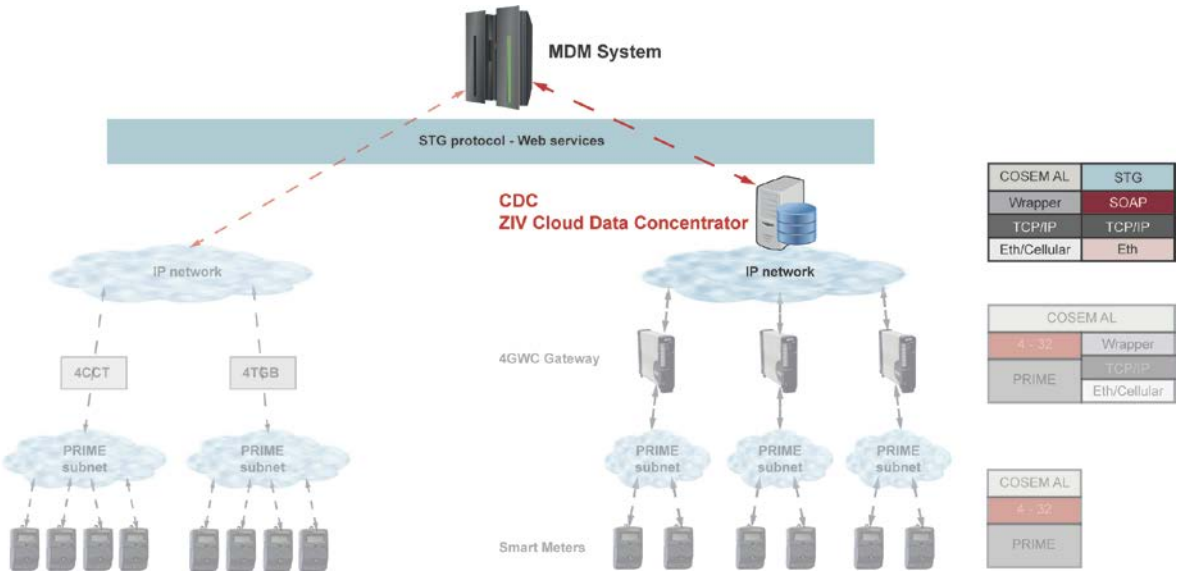
CDC

Cloud Data Concentrator



The Cloud Data Concentrator is a key component for AMI deployments as it allows 100% coverage for PLC smart meters.

In order to reach every smart meter in an AMI deployment, ZIV is launching a new family of telecommunication gateways (4GWC) and **an innovative software solution, the Cloud Data Concentrator.**

The 4GWC equipment will improve the powerline (PLC) coverage, allowing the accessibility of every smart meter, independently of its installation site.

The Cloud Data Concentrator is a SW based data concentrator that, on one hand, **will manage all the metering data** coming from the smart meters that are accessible through 4GWC and, on the other hand, **will gather all relevant information from the PLC subnetworks** that are managed by the PLC gateways (4GWC).

Automatic provision of smart meters

The Cloud Data Concentrator makes it easy the provision of new smart meters in the system. Smart meters, thanks to its PRIME capabilities, are automatically detected by 4GWC's. 4GWC's will spontaneously inform the Cloud Data Concentrator (CDC) of the new smart meters in the system so they can be provisioned in the CDC automatically.

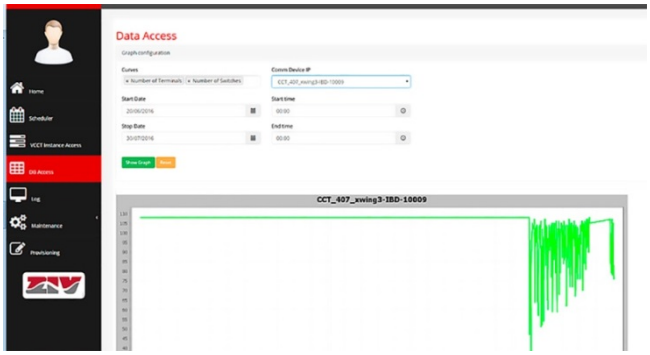
Powerful Scheduler and data collector

It incorporates a task scheduler so that the user may configure different data collection tasks.

To do so, a communications front end communications and a powerful message engine are at the heart of the CDC. CDC supports both, DLMS and SNMP protocols to collect data from smart meters and telecommunication devices.

HMI based on a Web server

The Cloud Data Concentrator integrates a Web Server that makes it easy to use and configure. It also includes data representation capabilities to the user.

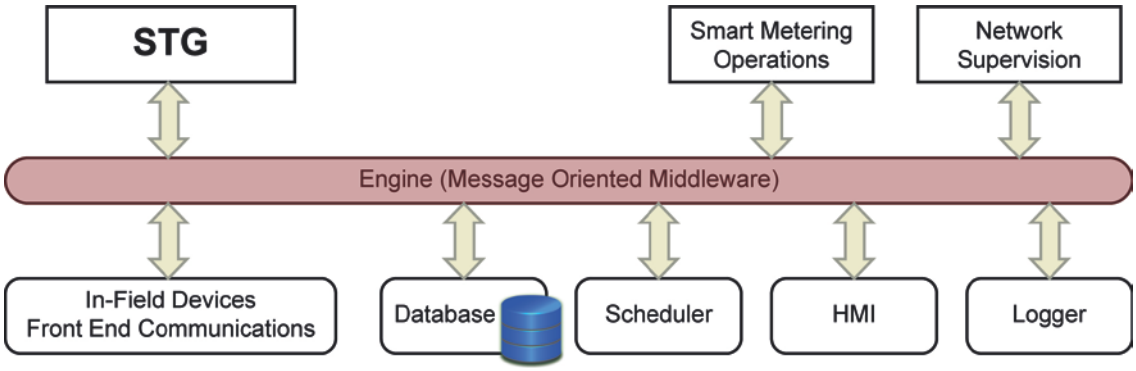


Relational Database

The Cloud Data Concentrator has an internal relational database that stores both, all data gathered from all smart meters and all telecommunication information collected from PLC gateways.

Scalability: Ready for the future

The CDC SW architecture is distributed. In this way, scalability is ensured. The users, depending on their deployments requirements, may run CDC in a single server configuration or in different servers.



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