



DESCRIPTION

C-Joy cloud platform is huge data collection and management stage. It can collect information such as user records, historical data, warning status, billing, consumption etc. covering water, electricity, heat and gas meters at the same time. Therefore, it can analyze users' habits on consumption to push early-warning information in time and help utilities on better resource allocation and dispatch.

FEATURES

- » Support multiple utilities
- » Web based system for easy use and maintenance
- » MySQL 5.5 database or above
- » JDK 1.7 or above
- » Multiple OS supported like window XP, 7 or above and Linux.
- » Tomcat web container
- » Millions level user capacity
- » Multiple kinds of meter device supported, like electricity meter, water meter, gas meter, heat meter, heat cost allocator.
- » Flexible unlimited tariff tables supporting free basic electricity, tax, fixed rates, variable rates, step rates etc.
- » Customized home page
- » Support many kinds of communications device like concentrator, collector, LoRa gateway...
- » Multiple languages available
- » Different levels of user assess privileges
- » Thorough meter data automatic reading and missing points reread mechanism .
- » API that allows quick integration with financial systems, banking systems, etc.
- » Meter fault alarm and report
- » Cloud data storage for security
- » Unattended meter reading
- » Support international communication protocols like EN13757, DLMS/COSEM.
- » Support load balance and cluster servers.
- » Support mobile APP integrated with the system.

FUNCTIONS

System Setup & Management

» Operator

Add, delete, modify system operators information.

» Access control

Set different roles which different authority to access the system.

» Profile setting

Modify password and username of operator.

Tariff Management

» Tariff

Add different tariff schemas like single tariff or step tariff.

User and site Management

» User Management

Register the users and the meters profile.

» Site Management

Define the project sites name and address to separate different projects.

» Address Management

Define the users' domicile address.

Top Up Management

» Top up

Each user have a money account which can top up and the energy consumption fee will be deduced from the account.

» Record

Display the top up records of all users, for financial purpose.

Meter Reading Management

» Read meter

It can manually read one meter or multiple meters for testing or billing purpose.

Set the meter reading task for scheduled meter reading.

» Reading records

Showing the meter reading result like meter readings.

» Arrears

Manage the arrears, after billing, if the user's account is not enough to pay the energy fee, will show the user in the arrears list.

» Gateway management

Manage the all types of communication device like concentrators, gateways. Set the communication IP and ports for the devices.

Data Analysis

» Business Analysis

Showing different business transactions quantity and percentages.

» User Distribution Analysis

Showing quantity of user and meter in each areas on the map.

API for thirty party system

» Meter reading API

For remote meter reading via third party system.

» Top API

For account top up purpose via third party system.