

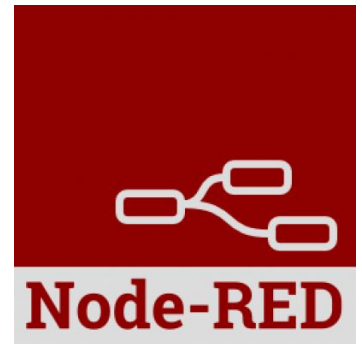
Data Acquisition

Final project

Oil price tracker

Project description

This project will collect oil price with web scraper to show it on graph with NodeRed. The all collected oil price data will send to MySQL database(everyday). This project can show where are the petrol station that have lowest oil price and where are the petrol station that have expensive oil price .



Motivation

We want to create the program that can show all of petrol station and show where are the cheap oil price or expensive oil price. This program will help you to decision to pick petrol station that have a lowest price.

Data source And Collection mechanisms



0.4.0 RELEASE



ค้นหาราคาน้ำมัน

กระบี่

ตกลง

ราคาขายปลีกภูมิภาค 02 ธ.ค. 2562

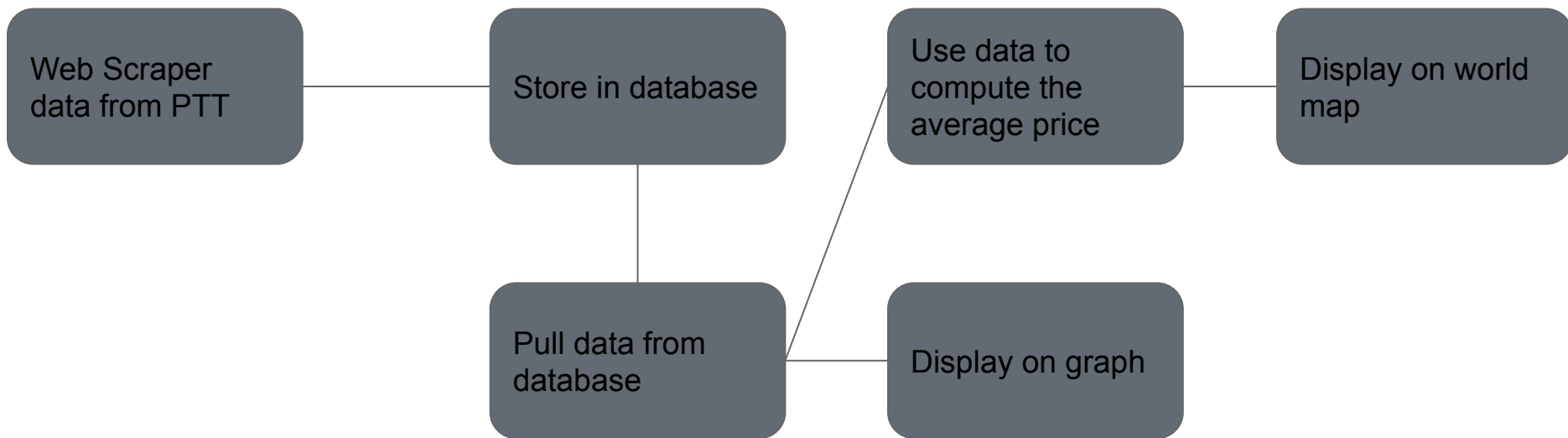
ราคาน้ำมันขายปลีก กทม.และปริมณฑล

(หน่วยแสดงเป็น บาท/ลิตร ยกเว้น NGV เป็นบาท/กก.)

อำเภอ	Gasoline 95	Gasohol 91	Gasohol 95	Gasohol E20	Gasohol E85	UltraForce Diesel	UltraForce Premium Diesel
เมืองกระบี่	34.79	27.11	27.38	24.37	20.22	26.42	30.27
เขาพนม	34.82	27.14	27.41	24.40	20.25	26.45	30.30
เกาะลันตา	35.18	27.50	27.77	24.76	20.61	26.81	30.66
คลองท่อม	34.81	27.13	27.40	24.39	20.24	26.44	30.29
อ่าวลึก	34.77	27.09	27.36	24.35	20.20	26.40	30.25
ปลายพระยา	34.74	27.06	27.33	24.32	20.17	26.37	30.22
ลำทับ	34.82	27.14	27.41	24.40	20.25	26.45	30.30
เหนือคลอง	34.81	27.13	27.40	24.39	20.24	26.44	30.29

<https://www.pttplc.com/th/Media-Center/Oil-Price/Pages/Province-Oil-Price.aspx>

Overall architecture



Database

Server: db:3306 » Database: b6010546664 » Table: PTT

Browse Structure SQL Search Insert Export Import Operations Triggers

Table structure Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
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<input type="checkbox"/>	3	G91	double		No	None			Change Drop More
<input type="checkbox"/>	4	E20	double		No	None			Change Drop More
<input type="checkbox"/>	5	E85	double		No	None			Change Drop More
<input type="checkbox"/>	6	B95	double		No	None			Change Drop More
<input type="checkbox"/>	7	Diesel	double		No	None			Change Drop More
<input type="checkbox"/>	8	B10	double		No	None			Change Drop More
<input type="checkbox"/>	9	B20	double		No	None			Change Drop More
<input type="checkbox"/>	10	DieselPremium	double		No	None			Change Drop More

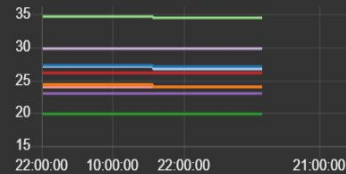
☐ Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Data visualization

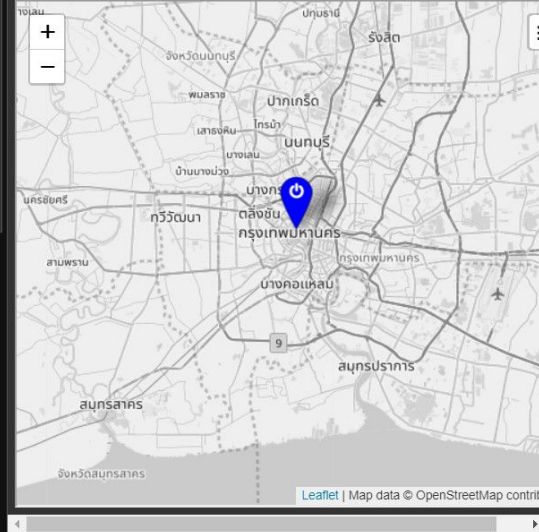
≡ Project

Oil Price Tracker

PTT Bangkok



World map



Demonstration