XBC-Config Specification   Created By : Dinil V
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This is to explain architecture and development timelines of **XBC** platform in detail.

Technical Expectations

- High Scalability
- UpTime of 99.9%
- Big Data Analysis
- Minimum Latency
- Approximate Load of 10 million requests in a day/ Ability to scale up in case of future requirements seamlessly
- Simultaneous user base of 100
- Polyglot Component Architecture & Micro Services

Components
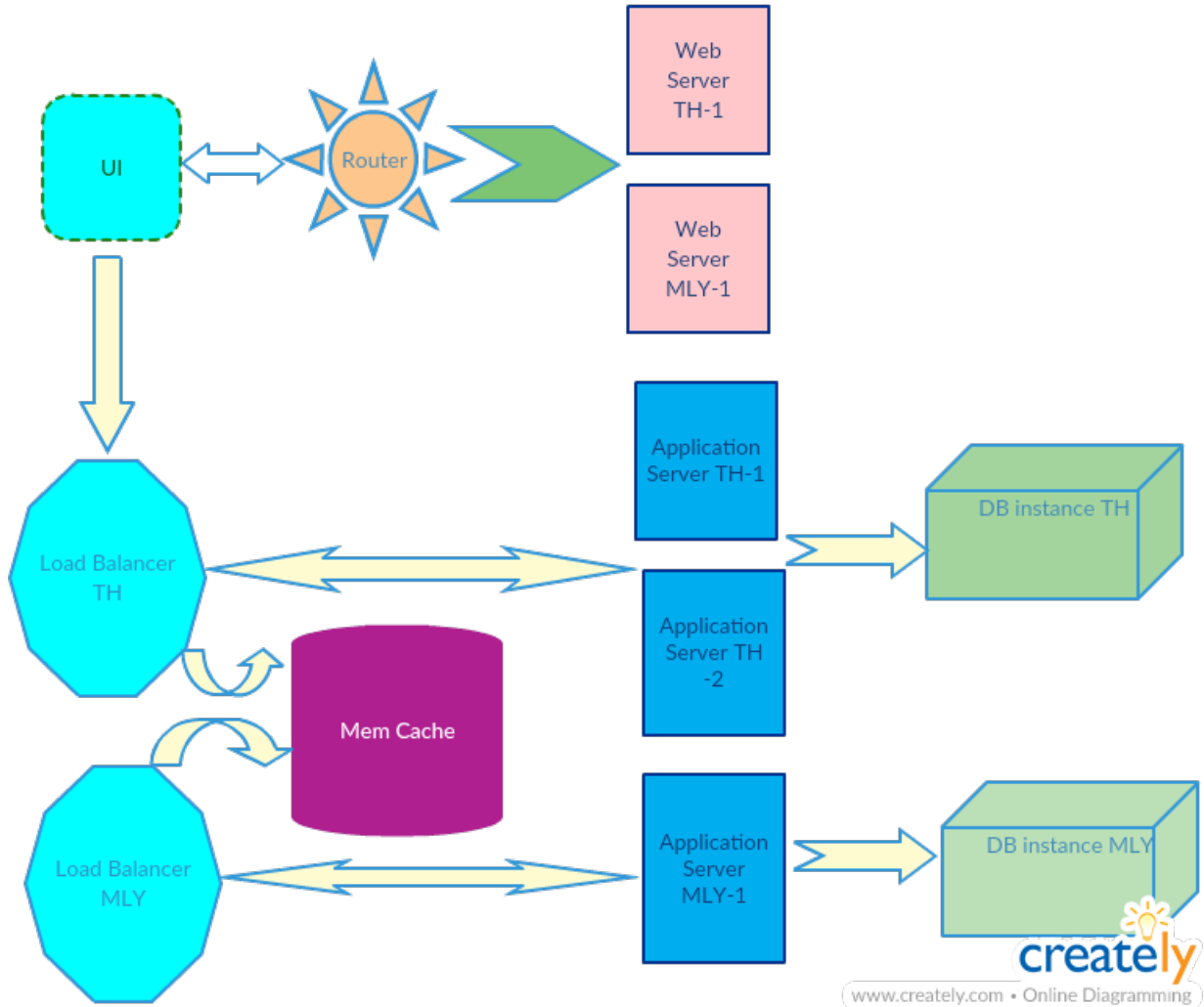
1. XBC Config UI(Admin & User)
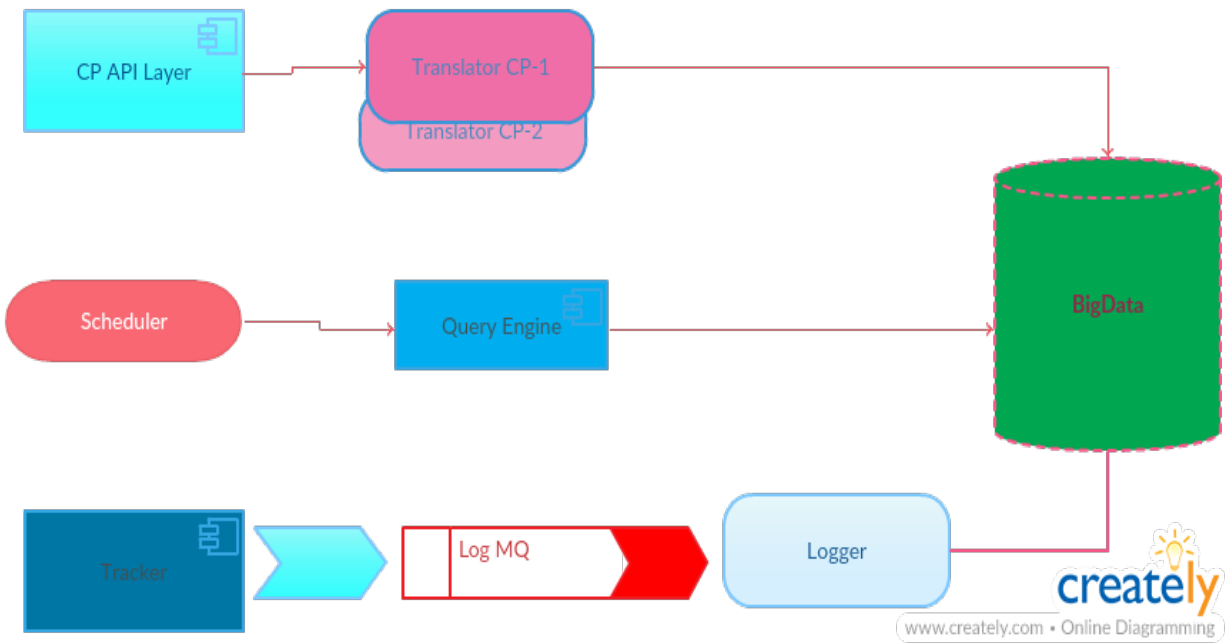2. XBC Backend
3. XBC Tracker-Backend
4. Router

Features

1. Multilingual
2. Different Timezone
3. Automatic Data Backups
4. Currency Calculations
5. Data intensive presentations
6. Reports with infographics
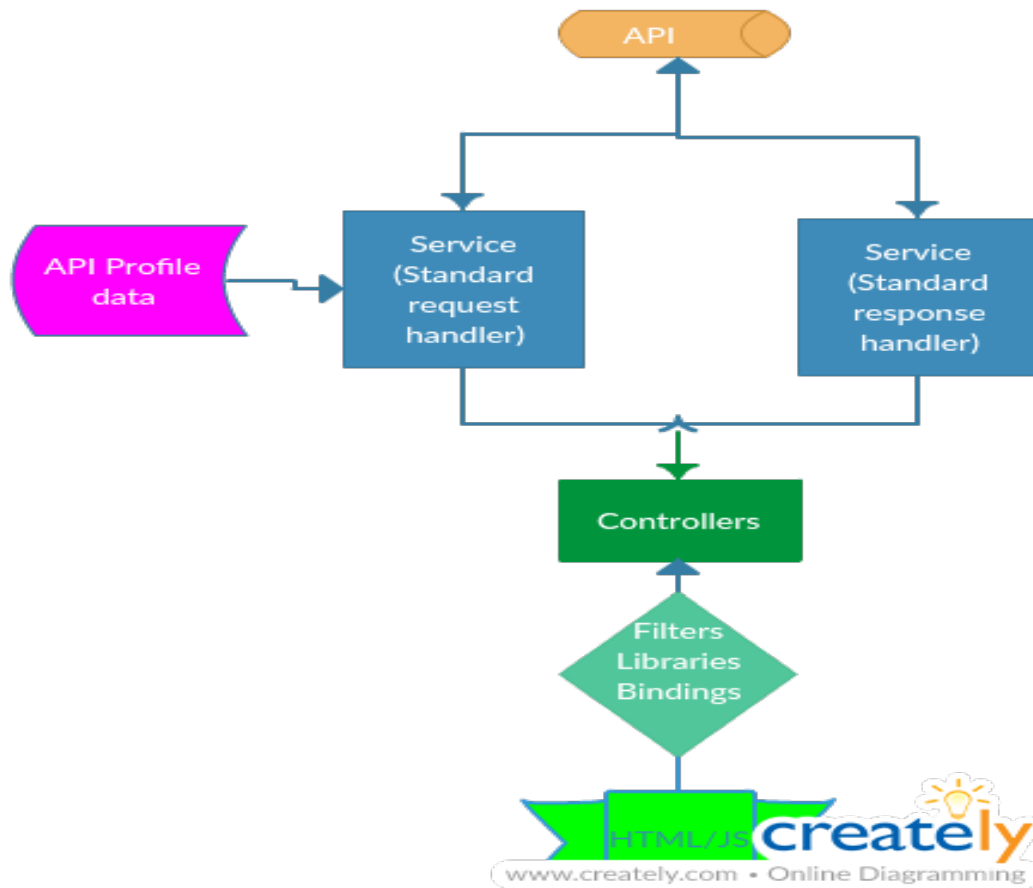7. Operator message translation

Diagrams

CMP Server Architecture

Backend Components

CP API Layer

Translator CP-1

Translator CP-2

Scheduler

Query Engine

BigData

Tracker

Log MQ

Logger

UI Flow

API

API Profile data

Service (Standard request handler)

Service (Standard response handler)

Controllers

Filters Libraries Bindings

HTML/JS

Project Timelines

Activity	Start Date	End Date	Effort(Aprox. Man Hours)
Project Discussion	1-Aug-201x	-	-
Static UI	10-Aug-201x	18-Sept-201x	100
Design/Architecture	14-Sept-201x	20-Sept-201x	40
Backend Dev	21-Sept-201x		640
UI Dev	21-Sept-201x		200
Integration(50 APIs)	25-Oct-201x		100
Testing	15-Nov-201x		120

Component Development

Module	Effort(Aprox. Man Hours)
CP Integration	120
Custom Tracker	80
Query Engine	160
Config App	200
Router/Load Balancer	80
UI Design	120
UI Components	80

References
- https://docs.google.com/presentation/d/1vjm5YdmOH5LrubFhHf1vlqW2O9Z2UqdWA8biN3e8K5U/edit#slide=id.p161
- https://www.youtube.com/watch?v=Vj6ksosHdhw
- https://www.youtube.com/watch?v=QWxjj6CBDYI
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