

ARCHITECTURE OF REFACTORED TRAVCRM



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Objective

Objective of this document to provide the high level view of refactored architecture of TRAVCRM

Influencing factor

- Review the Logics
- Refactor the implementation which become messy due to regular fix and CRs
- New Changes are not easy to do
- Things are getting broken whenever we fix any thing
- Role-out time is high
- Role-back is risky and many time it was not successful
- Has to expose full code to every developer which is full of Risks
- Knowledge of is getting centric and tough to manage
- Vertical wise subscription is not possible
- May Conver to SaaS if needed
- Not supported service wise scaling
- Re-usability is not offered

Architecture Consideration

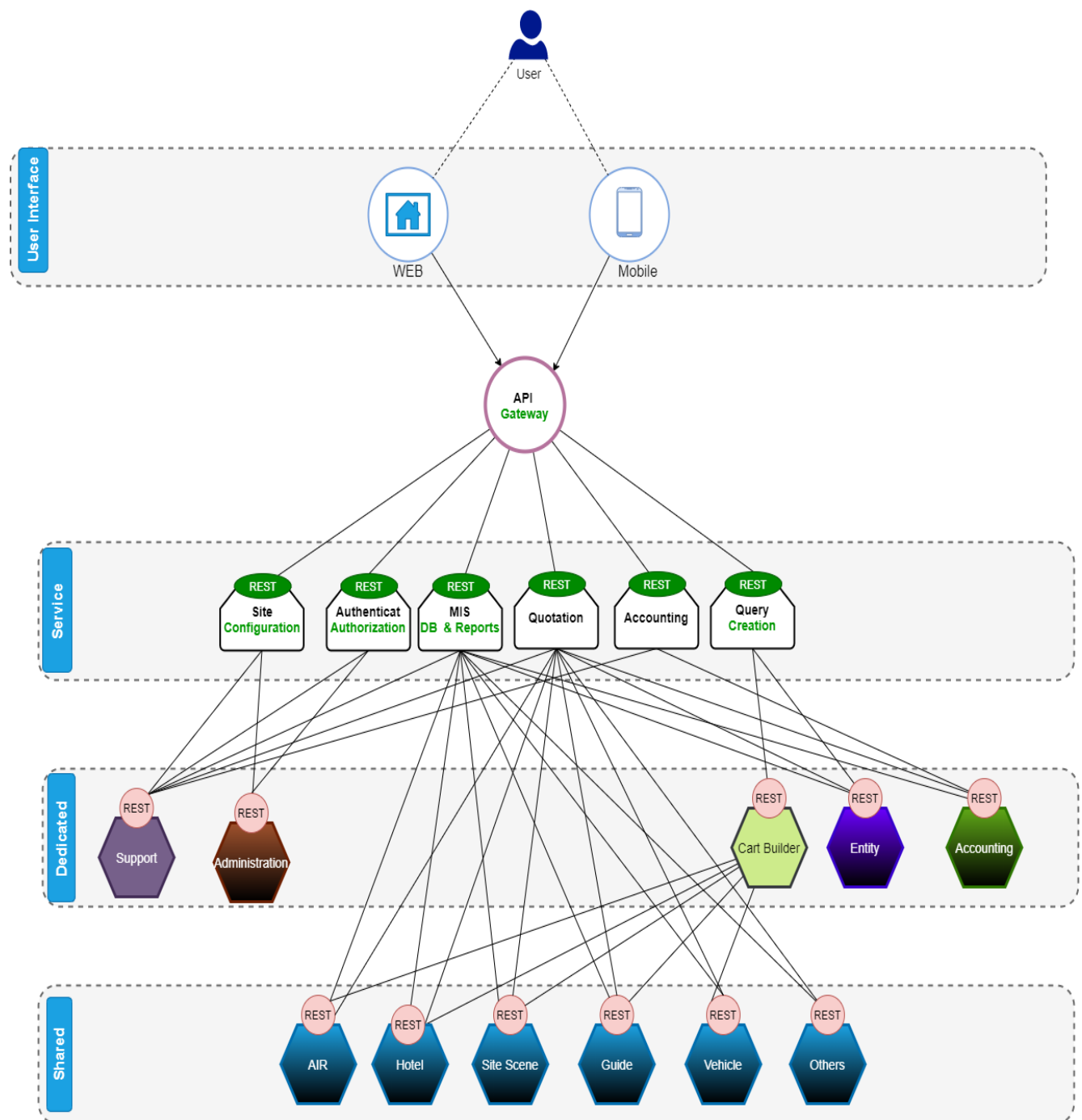
In order to provide scalability, SaaS Capability and elimination of the Risk of exposure of code to everyone Microservice Architecture is the beset suited architecture to address the above listed problem.

Decomposition Strategy

Decomposition Parameters	Description
Type	Domain Based
Dimension	Bi-Dimensional
Considerations	Service, Scale, SaaS



High level Architecture Diagram



Layer	Defination
UI Layer	Web / Mobile App.
Services	Layer which will responsible to provide the Service This layer will perform the orchestration to provide the service by calling different microservices
Dedicated	<p>This layer will contain the business rule which will be specific to the customer.</p> <p>General Customer is also to be consider as customer for those type of customer who does have specific rules.</p> <p>This layer can be deployed dedicatedly to customer allocated Instance of Infra.</p> <p><i>All the Sales, Lead and other transactional Data will reside here. This will give the headstrong capability among the customers</i></p>
Shared	<p>This layer is primarily for Content layer. All the data and associated functionality along with Rules shall be deployed here.</p> <p>This will give the capability to have repository service data at single place and the inventory of these data can be segregated based on customer</p> <p><i><u>This layer will not contain any sales or lead data.</u></i></p>

Reference Architectures

