



FiTecsServ



| Data Warehouse

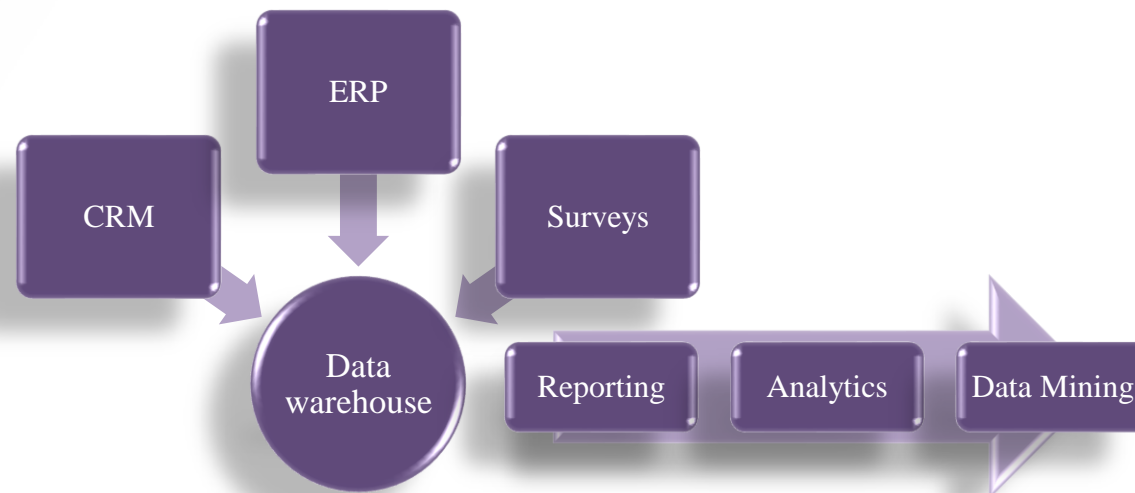
Introduction to Datawarehousing

Datawarehouse is a core component of business intelligence which is used for storing current and historical data in one place. This data is crucial and is used to creation of analytical reports for the organization which helps in decision making and planning a strategy.

The data stored in the data warehouse is collected from various channels of an organization like sales, marketing, survey, and this data need to be cleansed in a structured form for the system to understand it and analyze it.

In case there is a situation in which an organization needs to store unstructured data of high importance and volume then we suggest the usage of Data Lake services.

We offer data warehouse service, that is used as the main entity for business intelligence systems, by implementing the data models and the ETL processes (Extract, Transform & Load), ensuring quality and uniformization..



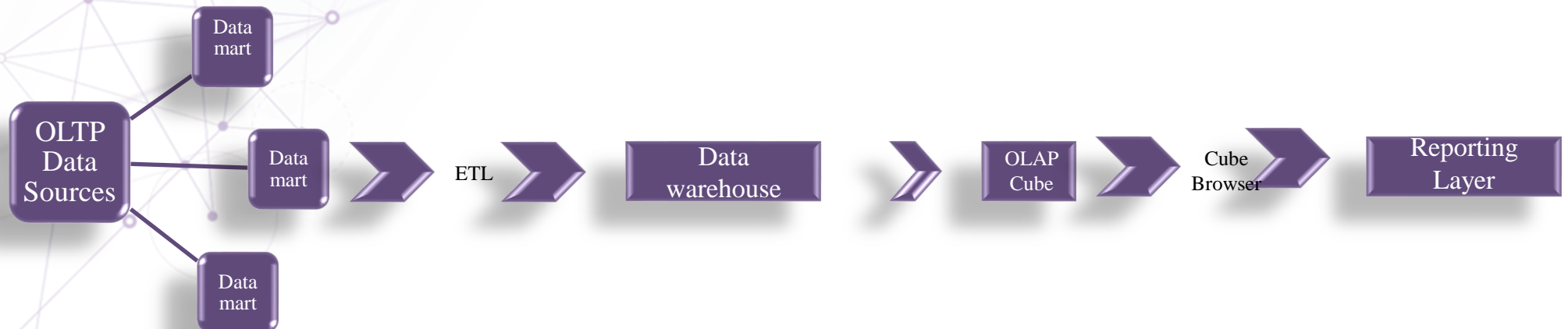
Approach used to design Datawarehouse

Over various approaches used to design the data warehouse, at AitecServ we prefer to use the approach proposed by Kimball because of the benefits involved. However depending on the case, we do use other best suit approaches as well.

The Kimball approach pays more attention to performance on query execution and not on the disk space. The Extract Transform Load (ETL) procedures gather data from various sources and club them into a common area called staging which is then handled, transformed and saved into OLAP cubes.

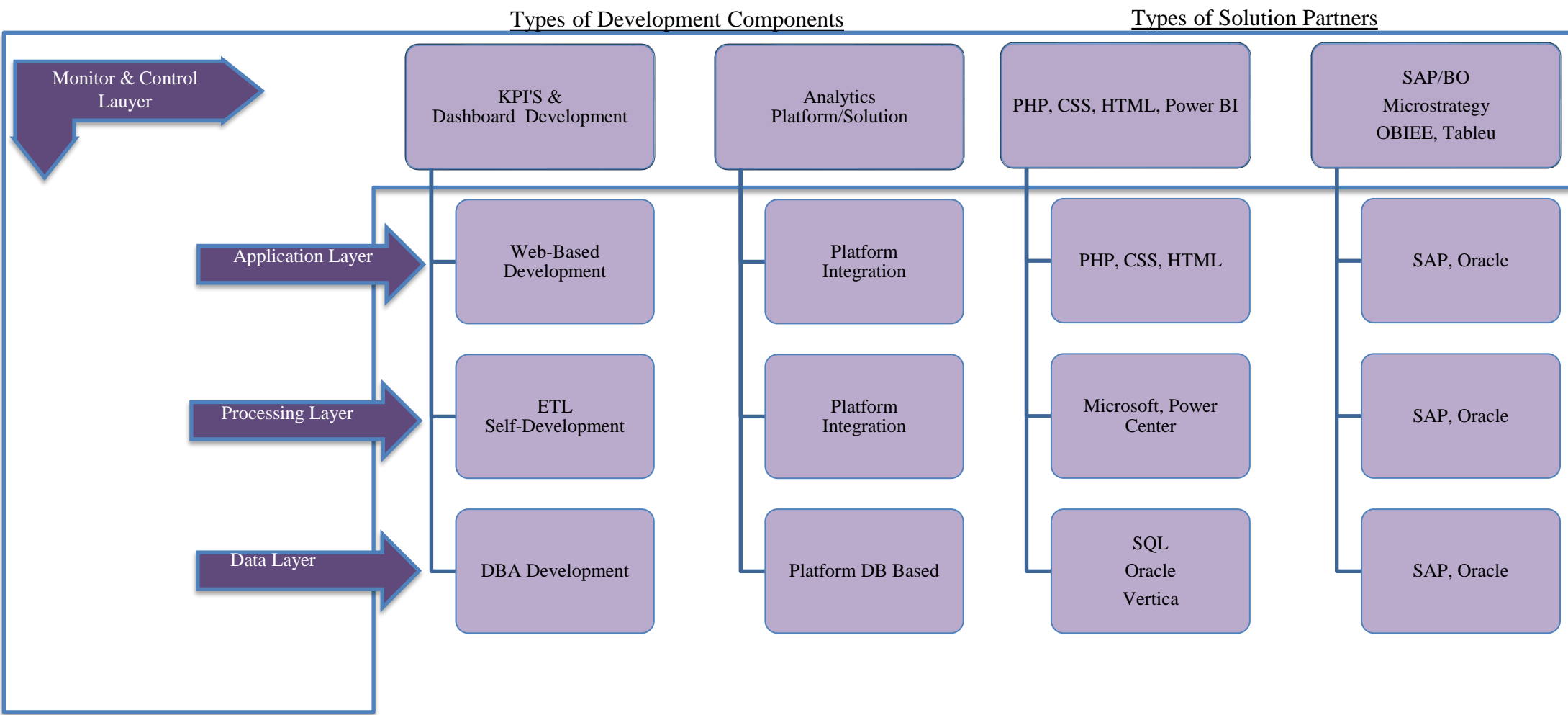
Kimball approach is quick to set up, effective to operate, easy to manage, and offers fast execution of queries.

Below is a pictorial representation of Kimball Datawarehouse.



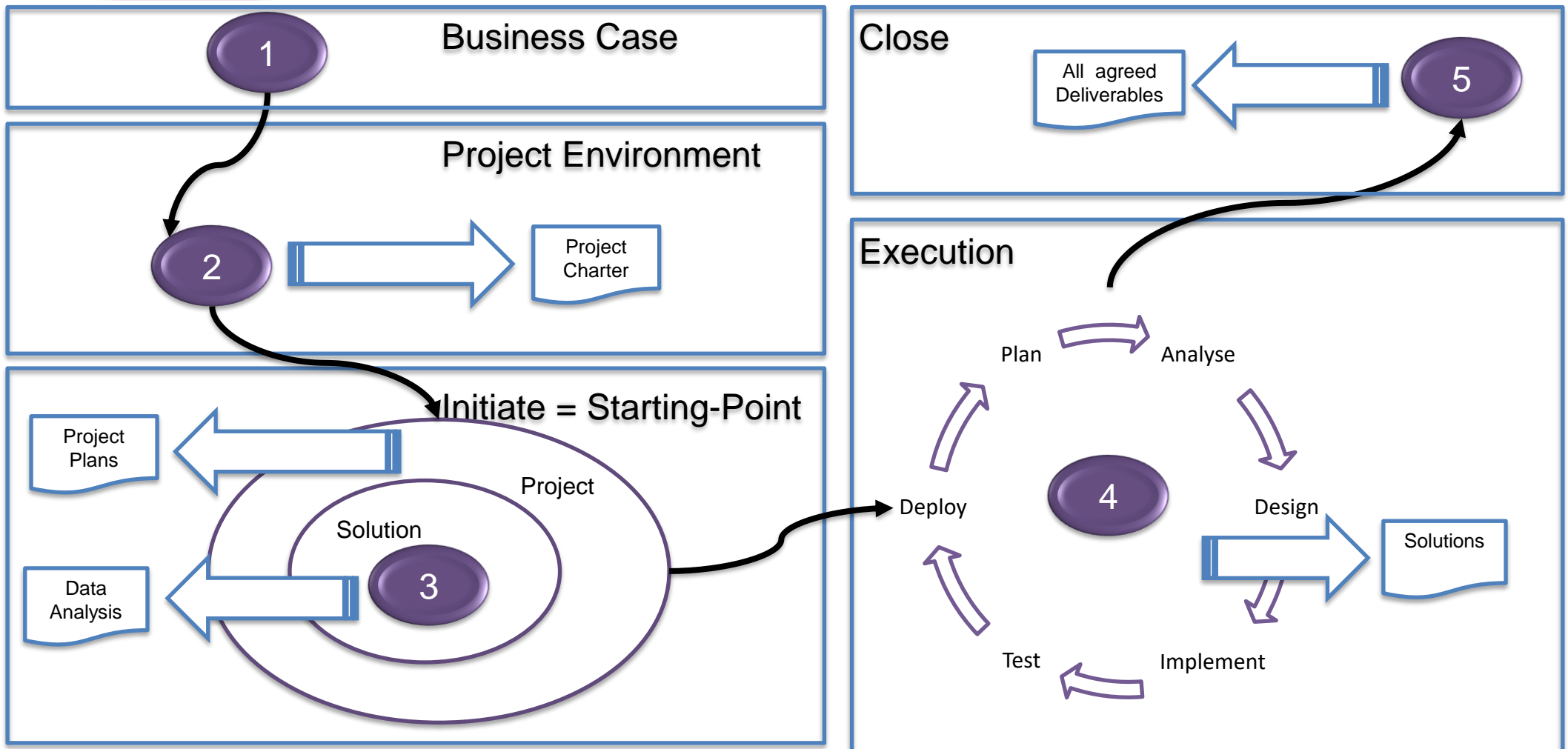


Difference between Self-Development vs Platform Solution



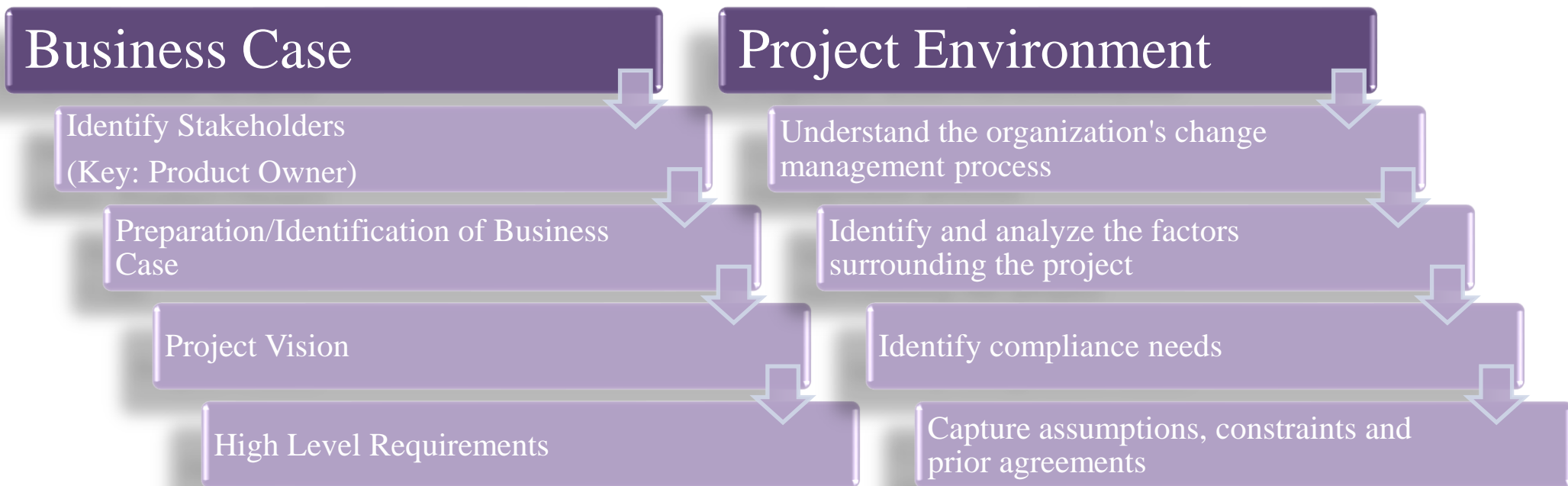


AitecServ Implementation Model (AIM)





AIM – Business Case & Project Environment





AIM – Starting Point

Management:

In this stage the main focus is to elaborate the several management plans. This projects normally require a very clear and detailed plans to ensure project success.

This kind of service is characterized by multidisciplinary teams and complex project management requirements.

Solution:

In this stage we evaluate the “Change Data Capture” process, by assessing how data is changed and deleted in the potential source systems.

We also identify with customer the main reporting needs and the major KPI’s (Key Performance Indicators) and there contextualize characteristics.

Management

Identify Major Deliverables

Identify Risks

Initial preparation of project plans

Solution

Evaluate the “Change Data Capture” process

Determine Reporting Requirements



| AIM – Execution

Management

Monitor and control project objectives

Manage the various project plans

Manage Product and Sprint Backlog

Solution

Implementation following AGILE principles

first release of a pilot with a “Go-No Go”

Incremental and interactive

Management:

The main task are to monitor and control the project objectives and performance, making the necessary adjustments to keep the project on track.

Solution:

Our services follow preferentially an agile approach, providing in the first release a pilot version with the minimum valuable product for solution evaluation, address the expected objectives and to a refine the product backlog.



Atecserv

Thank
you!

For more information or to Schedule a
meeting please contac us on:



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