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YOUR PREFERRED CLOUD PARTNER

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Cloud Cost Management Services

Cost Management Comparison

Q&A
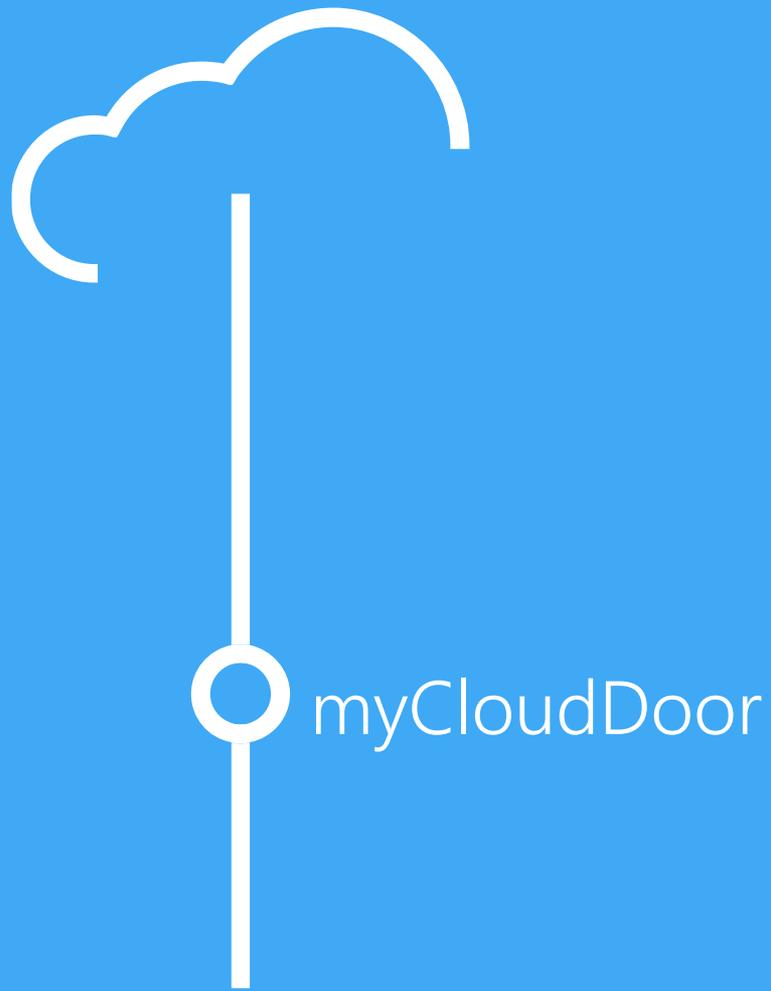
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Value Proposition – The Cloud Journey

DISCOVER

INNOVATE

TRANSFORM

OPTIMIZE

myCloudDoor
provides IT Consulting,
Professional Services
and Digital Services to
help enterprises reach
the expected benefits
when **adopting** or
transitioning to Cloud
Computing

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myCloudDoor Offices

FORT LAUDERDALE
(US)

MEXICO CITY
(MEXICO)

BOGOTA
(COLOMBIA)

SÃO PAULO
(BRASIL)

SANTIAGO
(CHILE)

AMSTERDAM
(NETHERLANDS)

MADRID
BARCELONA
(SPAIN)

DUBAI
(UAE)

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myCloudDoor Cloud Journey - Our Services

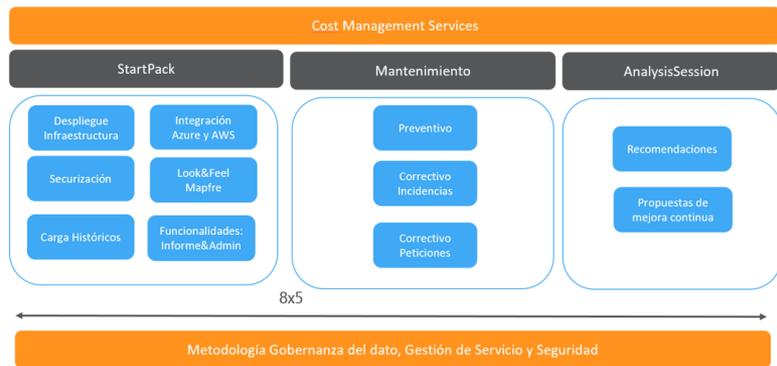| DISCOVER	TRANSFORM	OPTIMIZE	INNOVATE
CLOUD STRATEGY	CLOUD MIGRATION	CLOUD DEVOPS	CLOUD DATAOPS
CLOUD ASSESSMENT	DC MODERNIZATION	MANAGED CLOUD SERVICES	CLOUD ANALYTICS
CLOUD GOVERNANCE	SAP ON CLOUD	CLOUD COST MANAGEMENT	ADVANCED SOLUTIONS

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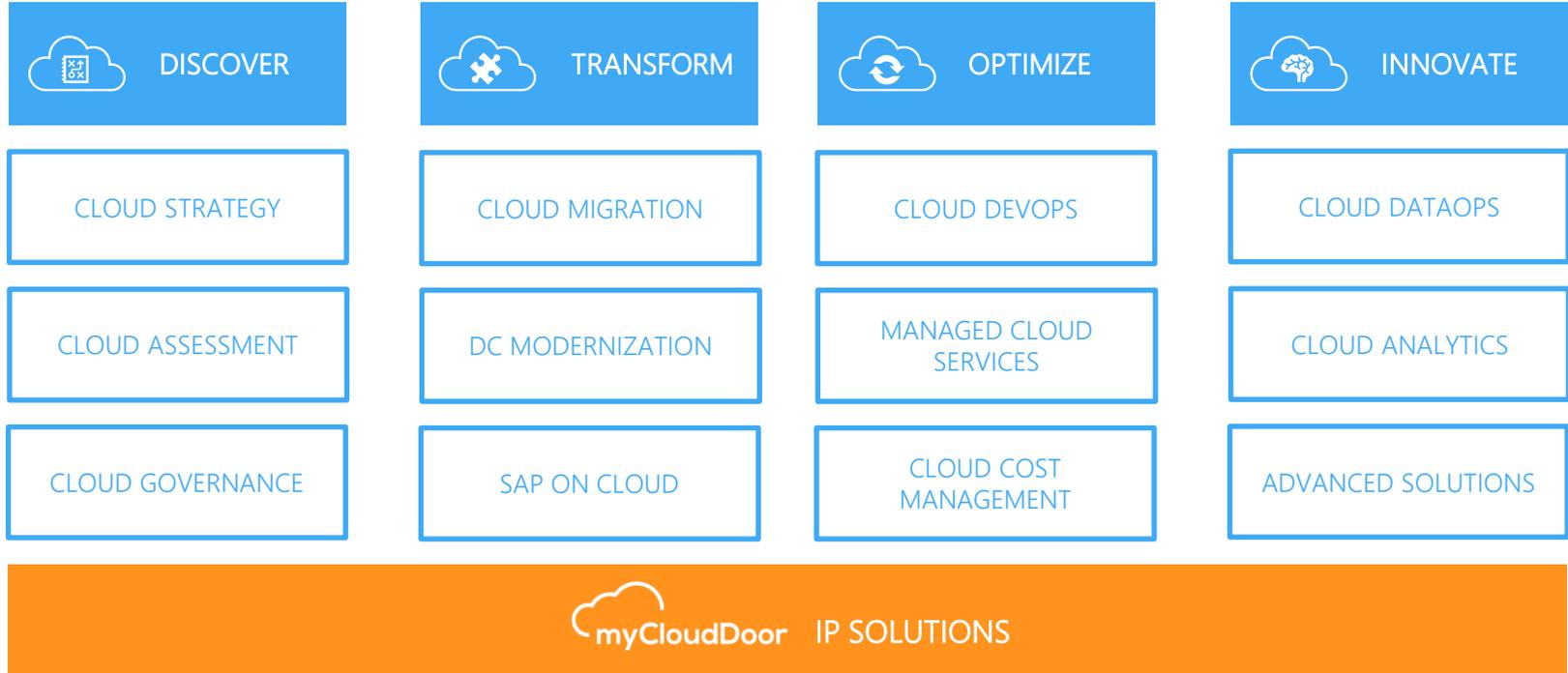
Cloud Cost Management Services

myCD – Cost Management Services

Definition

Cost Management Services simplifies the economic management of the Cloud Platforms. Additionally, this service make easier the administrative tasks and allows a continuous optimization of the consumption and costs forecastt.
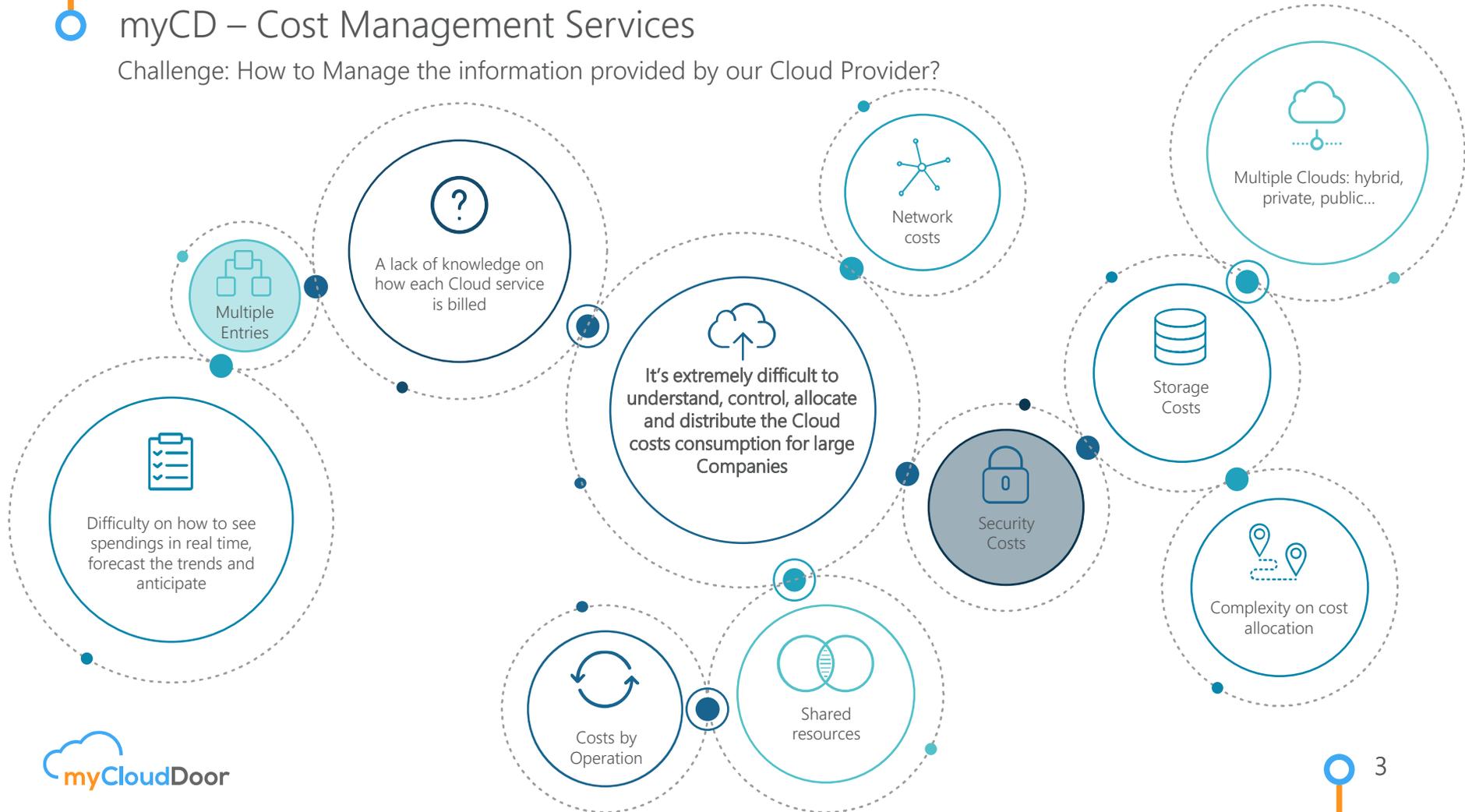

Cost Management Services

StartPack	Mantenimiento	AnalysisSession
Despliegue Infraestructura / Integración Azure y AWS	Preventivo	Recomendaciones
Securización / Look&Feel Mapfre	Correctivo Incidencias	Propuestas de mejora continua
Carga Históricos / Funcionalidades: Informe&Admin	Correctivo Peticiones	

8x5

Metodología Gobernanza del dato, Gestión de Servicio y Seguridad

Saves costs by the automation of the billing processes, budget and costs management and control.

Accurate cost allocation by costs centre

Control of expenses by using entities, automatic alerting and forecast of the costs based on trends.

Empower the users by providing a tool for the monitoring of the costs and resources deployed on their environments.

This service is based on the use and personalization of our platform "**MultiCloud Cost Management**" and our Team of Cloud Specialists.

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myCD – Cost Management Services

Challenge: How to Manage the information provided by our Cloud Provider?

A lack of knowledge on how each Cloud service is billed

Multiple Entries

Network costs

Multiple Clouds: hybrid, private, public...

It's extremely difficult to understand, control, allocate and distribute the Cloud costs consumption for large Companies

Storage Costs

Security Costs

Difficulty on how to see spendings in real time, forecast the trends and anticipate

Complexity on cost allocation

Costs by Operation

Shared resources

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3

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Challenge: How to Manage the information provided by our Cloud Provider?

Invoice example Azure

- Complexity on cost allocation by business unity
- Complex comparative between budgets and objectives
- Difficulties on the distribution of shared resources

- X 100,000 columns by month
- Hundred/Thousand concepts

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4

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Platform - Features

The application allows the access to detailed information on each of the Cloud subscription managed by the Company.

Cost control	Billing Entities	Roles and Security

Consumption Management

- Full and detailed view for Cloud costs by Cloud, project, Order...
- Translation of the costs on accounting language (Entity, Environment, Project, Type)
- Projection of costs based on trends

Expenses allocation by cost centre

- Automatic billing to the entities
- Cost control based on budgets
- Automatic alerting based on cost deviations
- Allocation/assignation of shared elements

Access

- Centralized management of projects, purchase orders or users
- Access using Azur Active directory accounts
- Custom roles and privileges
- Secure architecture

Allows a real time monitoring by the users

Automatic delivery of the Cloud costs

Permissions assignation

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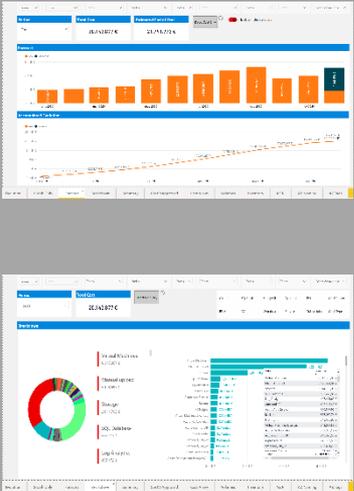
myCD – Cost Management Services

Platform – Functionalities

Broadly speaking, the application is divided into 2 different layers:

REPORTING

ADMINISTRATION

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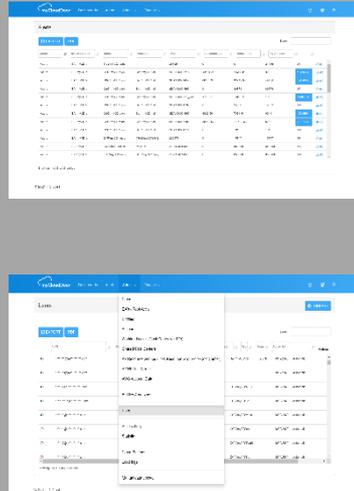
Platform – Reporting Layer

- Based on an Integrator data model, the aggregated information from different Clouds is available. The model is automatically generated to feed the different Blades on the reports, created by Power BI.
- The Power BI embedded report can be accessed on the dashboard window, and each user, depending on his role, will be able to Access to different information based on the RLS*.

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* RLS: RowLevelSecurity to manage dynamically the security access for each user.

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Platform – Reporting Layer – Functionality

- **Cost Evolution**: Evolution of the historical costs aggregated on monthly periods. It is possible to group by direct cost criteria or infrastructure deployed according to the CRA. Multiple options of visualization are available, including monthly total and daily granularity for the last 30 days.
- **Cost Forecast:** Dynamic prediction of the Yearly total using a regression model.
- **Cost Breakdown:** Graphical identification of the resources with biggest consumption and their costs.
- **Cost Summary:** Hierarchical Matrix (Cloud, EA, Entity, Account) of monthly costs.
- **CostVsApproved:** Analysis of the deviations of the different projects based on the costs charged and the deviation's percentage.
- **Cost Views:** Costs associated to the cost centre and the resources by environment. (DEV,PRE,PRO)
- **Volumes:** Volumetric analysis of the infrastructure.
- **Inventory:** Inventory of the deployed resources
- **Naming:** Naming convention analysis of the deployed infrastructure based on the CRA criteria introduced.
- **Tags:** Resources Tag analisys
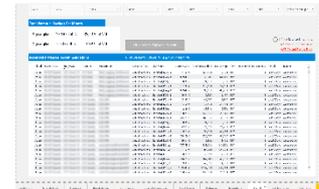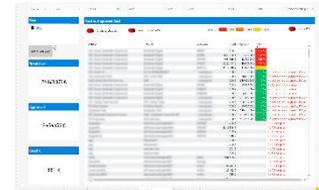
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Platform – Administration Layer

- Management of the alerts associated to the consumption of the different projects, Clouds administration, EAs and different hierarchies, projects and workload creation, assignation of Resource Groups to the workloads, costs comparation on Shared Costs Centres, users management and Monitoring of the application.

- Internal billing of the Clouds' costs between different projects and their cost centre (CC) associated to their Purchase Order (PO)

- The hierarchy correspondence between Azure and AWS used is:

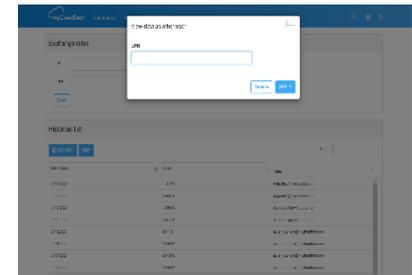|	AZURE	AWS
Enrollment	EA	Account master (Payment manager)
Entity	Department	
Account	Account (Payment manager)	Account
Project	Comprises the different environments	Comprises the different environments
Subscription – Environment	Subscription	Account
Resource Group	Resource Group	

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Platform – Administration Layer

At the administration layer the following areas can be found:

- **Reports&Alerts**: threshold management (e.g. 80%, 100%) for the alert on the Cloud cost compared to the assigned to the project. Mail notification to the Project managers.
- **Admin**
  - Clouds Management
  - Management of the EA's subscription on Azure and Master Account on AWS.
  - Entities management (Departments in Azure and if you want to identify the associated account in AWS).
  - The Account management, for Azure, are the billable accounts and for AWS the accounts associated to the master account.
  - Project management: Assignment to a Cost Centre and a Purchase Order*
  - Management of users, Access roles and data query
  - Management of the shared costs. Allows the distribution of the cost for the shared resources between the different projects using them*.
  - Access log of the application.

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16

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Platform – Administration Layer

- Finances
    - Management by Purchase Order
    - Management of the invoice destination, data needed for a formal billing.
    - Currency management. Azure and AWS can invoice in different currency.
    - Invoices management. Repository for the generated invoices by Cloud Consumption which can be sent to the designated manager.


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Platform – Application Architecture

Bellow you can find the necessary elements to be deployed:

- **AAD**: User's Authentication and authorization through the client's Azure Active Directory
- **Azure Front Door (WAF)**: Web Application Firewall and DDoS protection
- **Azure Web App**: Azure service intended for hosting Web Cloud Applications
- **Azure Functions App**: Serverless Service in charge of executing code triggered by events, grants the connection to the APIs/Data origin
- **Key Vault**: Vault for the storage of the secrets of the application
- **Storage Account**: Storage for the application logs and load files.
- **Azure SQL DB**: Storage for the application data.
- **Power BI Embedded**: For the consumption of the reports embedded on the application. Based on a tabular data model (AAS) integrated with the Power BI Service and doesn't need any PowerBI Pro licences to be acquired by the user.
- **Power BI Service**: Power BI Online service
- **Application Insights**: For the control of the Application logs and performance.
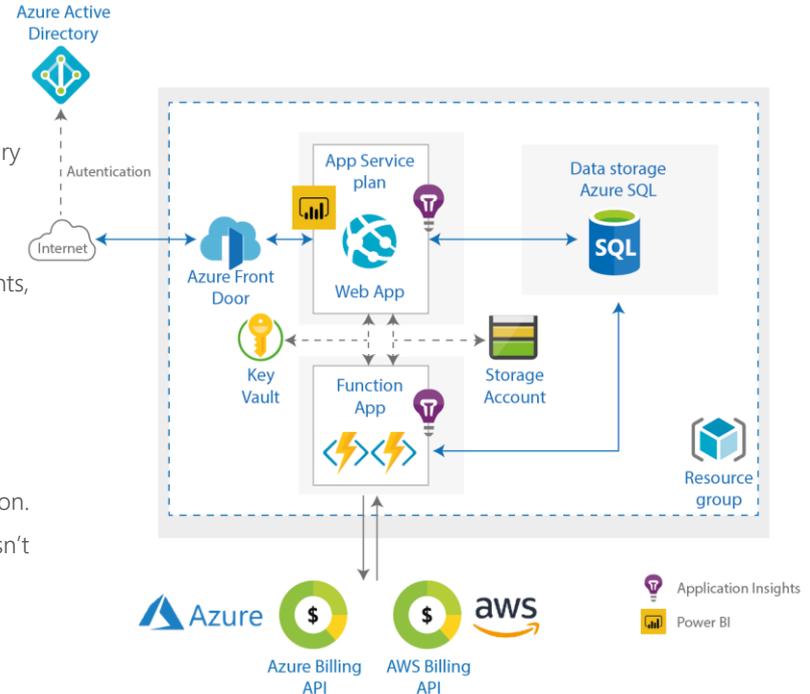
Comparative Cost Management

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Platform - Comparative

- **Automatism and prediction:** An automatic and predictive system to detect the needs of each company based on the expense's limitations imposed. It's based on *Supervised Learning,* which makes predictions based on behaviours or characteristics found in the stored data (data history). Supervised Learning allows the search of patterns in the data history linking all the fields with a special field called Target Field.

- **Agnosticism:** myCloudDoor proposal is based on adapting to the existing Clouds Azure and AWS, so, there is no need for redesign the developed methodology or algorithms for each phase, optimizing the efforts.
- **Integrity:** The model proposed wants to meet the needs of all the systems on the Cloud, analysing the general systems, finding limitations and developing solutions for all Company technologies at each operation level, meaning a Global solution for costs management of the Cloud.

Characteristics	Others	myCD
Multi-cloud	✔	✔
Costs review	✔	✔
Governance – Predefined actions	✔	✔
Access through Azure Active Directory	✔	✔
Ad-hoc reports creation	✗	✔
Management of Shared costs	✗	✔
Customizable costs allocation to different entities, costs centres...	✗	✔
Intercompany billing	✗	✔
Integration with other APIs and applications	✗	✔

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Q&A

Information

Résultats

环境

мотивация

Optimisation

Objetivos

ثقافة

collegamento

Cloud

Strategien

comunicazione

samewerking

projekt

Transformação

behendigheid

Diversité

Responsability

Koneksi

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Thank you

UX

Online

info@myclouddoor.com

コミットメント

Σύνδεση

Команда

Digital

Vizyon

ثقة

vrijednosti

Wirksamkeit

Initiative

qualità