

SOLUTION

SOFTWARE ARCHITECTURE

providing interoperabline for client devices





AZURE SERVER LAYER ABSTRACTION

MICROSERVICE ESPECIALIZED

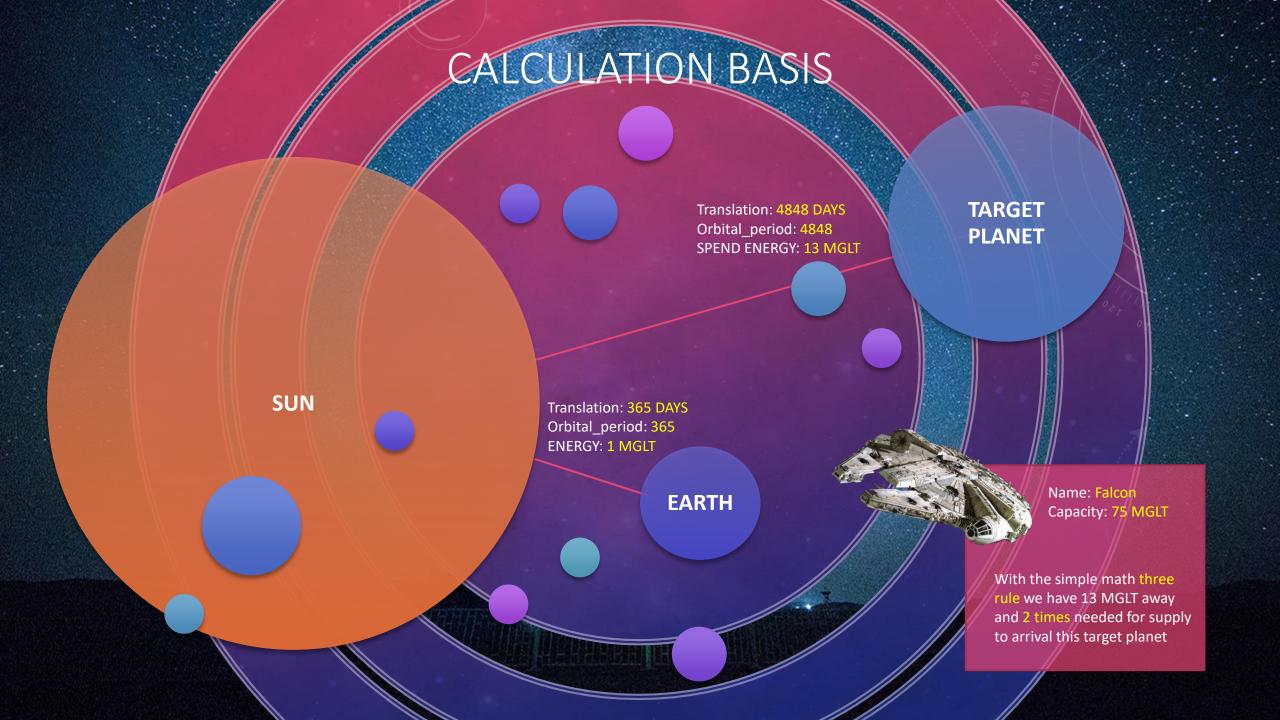
.NET C# + GRAPHQL



Service Database to forecast B.I. analysis with information users







WAS BUILT ONE LAYER ABSTRACTION ON <u>AZURE SERVER</u> WITH ARCHITECTURE <u>SOA</u> WITH SPECIALIZED <u>MICROSERVICES</u> AND THEIR RESPECTIVE ENDPOINTS PROVIDING <u>INTEROPERABILITY</u> FOR CLIENT DEVICES

SOLUTION .NET CORE C# + WCF + AZURE SERVICES + GRAPHQL + MYSQL

API AZURE SERVER

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX

OCUMENTATION AND REPOSITORY

SWAGGER

HTTPS://APP.SWAGGERHUB.COM/APIS-DOCS/WILLYTHORPE/HORIZONOFSTARS/1.0.0

GITHUB

HTTPS://GITHUB.COM/WILLYTHORPE/HORIZONOFSTARS

ENDPOINTS

RECOVER ALL PLANETS USING GRAPHOL TO BRING ONLY THE NECESSARY DATA

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=GETALLPLANETS

RECOVER ALL STARSHIPS USING GRAPHQL TO BRING ONLY THE NECESSARY DATA

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=GETALLSTARSHIPS

RECOVER CALC MGLT NECESSARY UNTIL THE PLANET BASED ON EARTH AND SUN

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=GETCALCMATHMGLT

RECOVERS SHIP INFORMATION THROUGH GRAPHOL NAME SEARCH

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=GETFILTERSTARSHIP

CALCULATE HOW MANY STOPS WILL BE NECESSARY FOR THE SHIP TO REACH A PLANET

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=CALCSTOPRESUPPLY

INSERT INFORMATION TO EACH CONSULTATION OF USERS IN THE DATABASE FOR FUTURE B.I. ANALYSIS

HTTP://API-HORIZONOFSTARS.AZUREWEBSITES.NET/API-HORIZONOFSTARS.ASMX?OP=INSERTBI

BUSINESS INTELIGENCE

THE SYSTEM RECORDS INFORMATION FOR THE PREPARATION OF B.I. FUTURE AND FORECAST

ANALYSIS OF RESULTS
AND TRENDS FOR DATA
MINING



