Digital Services

Azure Data Platform Starter for Azure

Orange Business – Digital Services
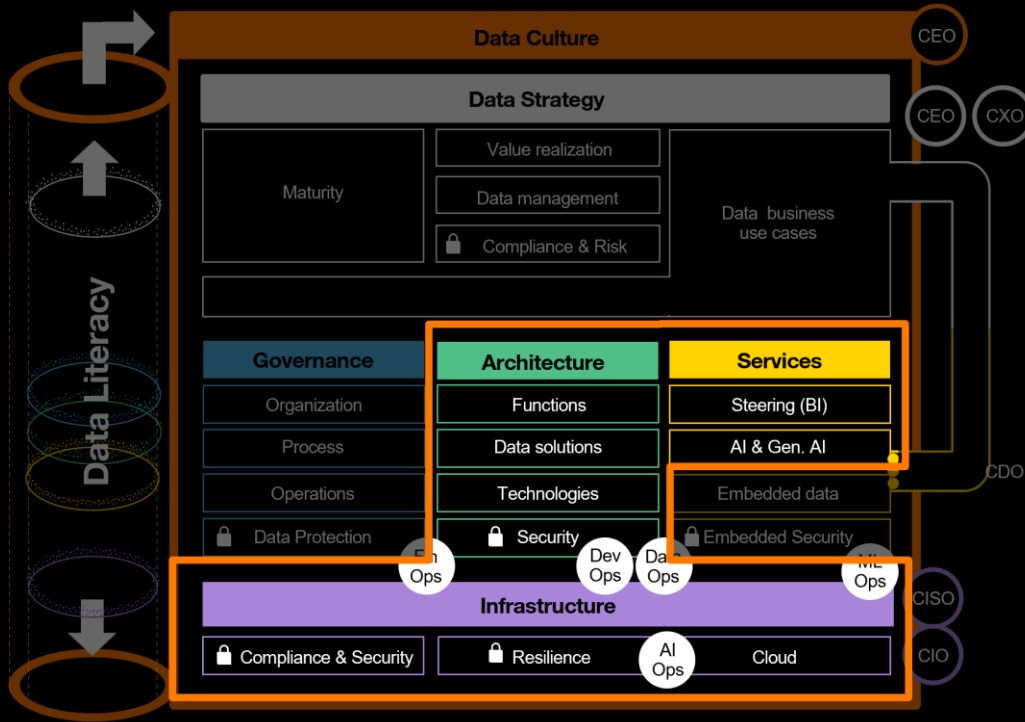
![orange™ Business logo]

Azure Data Platform Starter
At The Heart Of The Data To Value Journey

The Next gen data platform starter is at the heart of the data to value journey with a very strong focus from one hand on the **Data architecture** & **infrastructure** and on another hand on the **data services.**

However, the team realizing the mission will attach a particular attention to ensure the use case selected is perfectly aligned with the **company data strategy allowing a perfect integrability at scale**

Also, one important aspect of the next gen data platform is the **data governance** with a strong focus on **data quality** during this POC implementation.

Next Gen Data Platform Starter
Our Unique Value Proposition

Demonstrate Value Quickly
Realize an end-to-end use case in less than **2 months**

Turnkey & Proven Offer
Orange Business takes care of everything.
No investment on a platform of its own and a controlled budget.

Data Partner
Engage in a Data Partner approach by accompanying your teams in the POC and deployment of your future cloud platform

N.G.D.P* starter

One Team
Collaborate within the framework of a process between IT, the business and Orange Business .

Orange Business Expertise
Access to over 40 certified experts in the region on innovative technologies (Data platform, advanced Bi, data cloud, augmented analytics, data gov...)

Awareness Of Your Teams
Getting to grips with a cloud ecosystem with a practical case study.

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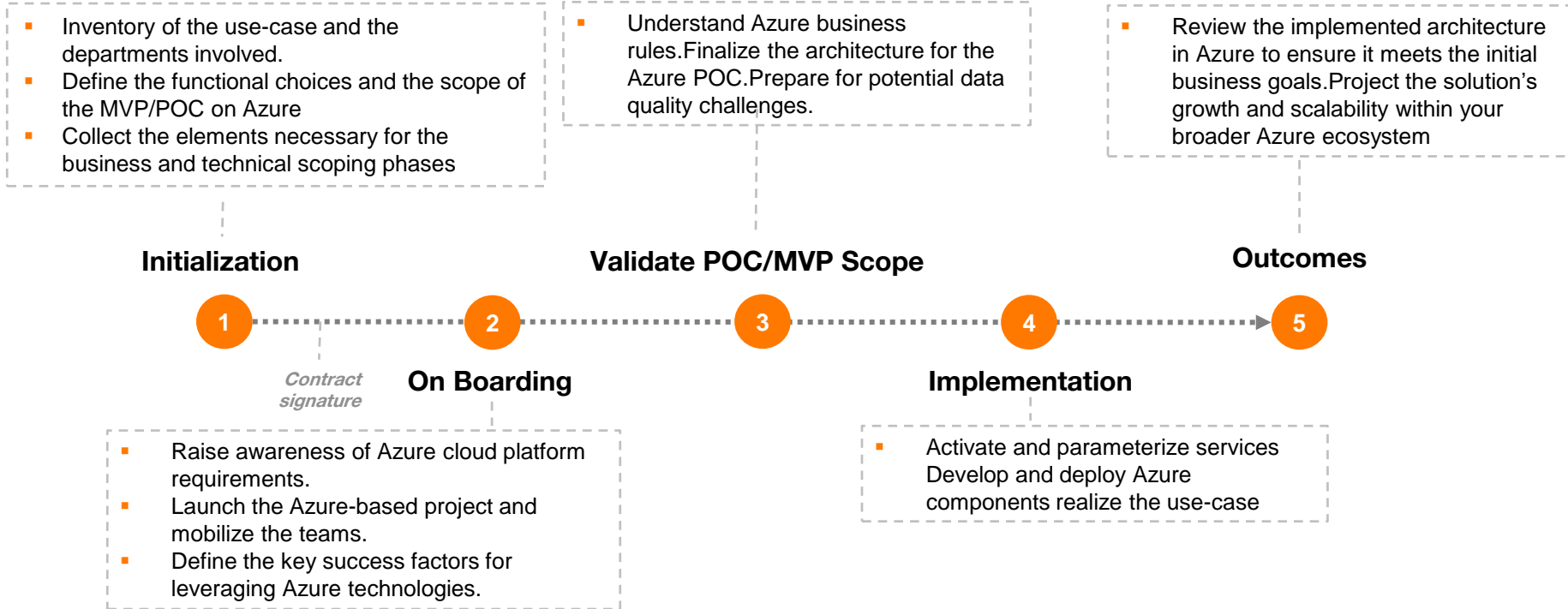
N.G.D.P = Next Gen Data Platform

Next Gen Data Platform
Starter – Our Approach

Our Approach

- Inventory of the use-case and the departments involved.
- Define the functional choices and the scope of the MVP/POC on Azure
- Collect the elements necessary for the business and technical scoping phases

- Understand Azure business rules.Finalize the architecture for the Azure POC.Prepare for potential data quality challenges.

- Review the implemented architecture in Azure to ensure it meets the initial business goals.Project the solution's growth and scalability within your broader Azure ecosystem

Initialization

Validate POC/MVP Scope

Outcomes

1 .... 2 .... 3 .... 4 5

Contract signature

On Boarding

Implementation

- Raise awareness of Azure cloud platform requirements.
- Launch the Azure-based project and mobilize the teams.
- Define the key success factors for leveraging Azure technologies.

- Activate and parameterize services Develop and deploy Azure components realize the use-case

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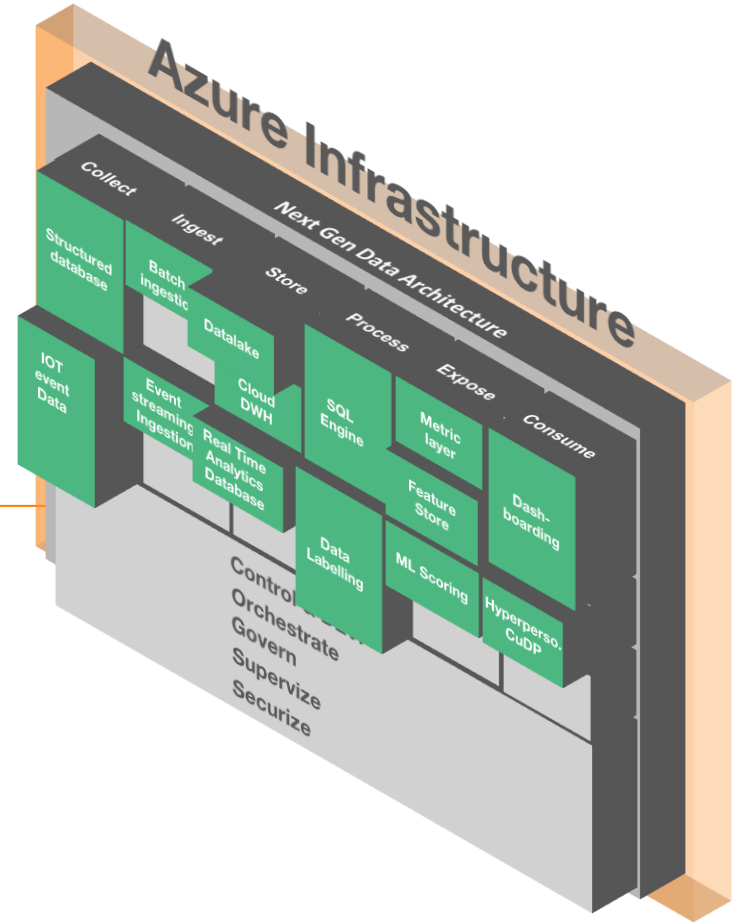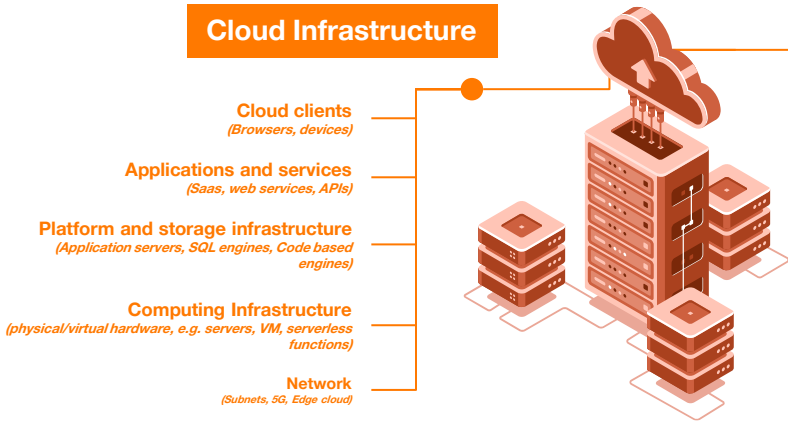
The Modern Data platform will ensure the transformation of the raw data into steering insights, predictive insights or prescriptions actions.

The architecture supporting the data to value transformation will be
Automatized through DATAOPS and **IAC frameworks** in order to create, update and destroy bricks/components depending on the need.

To help you to leverage the power of the cloud in a record time, we developed a **Next Gen Data Architecture Assessment** to design the perfect data platform aligned with Company's data strategy, infrastructure constraints considering the installed/mature technologies & latest and most promising technologies on the market.

Cloud Infrastructure

Cloud clients
(Browsers, devices)

Applications and services
(Saas, web services, APIs)

Platform and storage infrastructure
(Application servers, SQL engines, Code based engines)

Computing Infrastructure
(physical/virtual hardware, e.g. servers, VM, serverless functions)

Network
(Subnets, 5G, Edge cloud)

Azure Infrastructure

Next Gen Data Architecture

Collect · Ingest · Store · Process · Expose · Consume

- Structured database
- Batch ingestic
- Datalake
- IOT event Data
- Event streaming Ingestion
- Cloud DWH
- Real Time Analytics Database
- SQL Engine
- Metric layer
- Feature Store
- Dash-boarding
- Data Labelling
- ML Scoring
- Hyperperso. CuDP

Control
Orchestrate
Govern
Supervize
Securize

Business

Starter methodology
Co-Development Squad

Fixed Core Team

(Data architect, Data Engineers, Data visualization expert)

Flexible Team

(Customer engagement expert, Digital solutions architect, Web analytics expert)

Extended Team

(Account Manager, Engagement Manager)

To implement the first use case in co-development Orange Business proposes to activate the following configuration:

- **A core team** that will work in collaboration with your development team to co-develop the use case. The involvement of Orange Business experts will decrease as your autonomy increases:

    - Data Architect

    - Senior Data Ops Engineer

    - Medior Data Engineer

    - Data Visualisation Expert

- **A flexible team** composed of subject matter experts that can be activated up on request for a specific project need.

Data Intelligence	Big Data	Compliance & Security	Methodology	Databases	A.I

This set-up has been extensively used for previous similar projects yielding thorough, desirable outcomes, without overcrowding the project team, nor elevating the cost of the project.

Business

Azure Data Platform Starter

Orange business help you to implement tailor made components of your new and improved Azure data platform that will fit the needs of your modern business and enable you to focus on what you do with your data and not how to manage data.

20-30 days

Data office & IT or business line Stakeholders

Up & running Cloud Data platform

orange Business

This is for you if...

You have an aging or basic data & analytics landscape, but you are facing:
- Rapid growth in data volume
- Siloed data and difficult integration with new external sources
- Increasing complexity of your data platform
- Concerns about maintenance and cost-effectiveness
- Emerging use cases that your existing data and analytics infrastructure cannot accommodate
- A desire to avoid the burden of managing all aspects of the infrastructure

Benefits:

Azure Data modernization platform starter /proof of concept (POC) is tailored to address these issues and propel your organization towards a more advanced and efficient data ecosystem..

Deliverables:

- **Component Configuration and Implementation**: Setup and configuration of Azure-native components such as Azure Data Factory, Azure Synapse Analytics, and Azure Data Lake.
- **Data Pipeline Delivery**: Build and deliver data pipelines using Azure services to enable efficient data flow and integration across your environment.
- **Cost Management**: Implement best practices for managing costs in Azure through services like Azure Cost Management and Optimization, ensuring a cost-effective solution.

Delivery team

Data architect
Validation of data Architecture principles.

DataOps & data engineer
Implementation of data pipelines

Data Analyst
Preparation of datasets for a ready to use data activation.