



Digital & App Innovation
Azure



Data & AI
Azure

1-Week Course

Databricks on Azure : 4-Week Consulting

2023.06

DEX CONSULTING

Databricks on Azure: 4-Week Consulting

Overview

DEX consulting awarded the Microsoft 2023 top Korean partner award for business applications. As a certified Microsoft solution partner for two areas, Data & AI and Digital & App Innovation, we provide comprehensive consulting, training and education, SI (System Integration) development, implementation, and operation services for Microsoft 365, Power Platform, Dynamics 365, Databricks, OpenAI, and Copilot, etc. We have more than 1,800 system development and implementation project cases in Korea and the United States.

Databricks is a popular framework for analyzing big data. It can perform a full range of operations on datasets, utilized in BI and ML, and more. DEX consulting offers 4-week Databricks consulting service. According to customer's needs, our course can be modified and customized.

1. Analysis

- As-Is system configuration and environmental analysis
- Understanding of current system and To-Be solution standard
- System & process pain points
- Establishment of improvement direction

2. Solution Mapping

- Decide whether to maintain or replace by system
- Analysis of migration option by system
- Analysis of automation between systems
- To-Be architecture (App Layer, Data Layer)

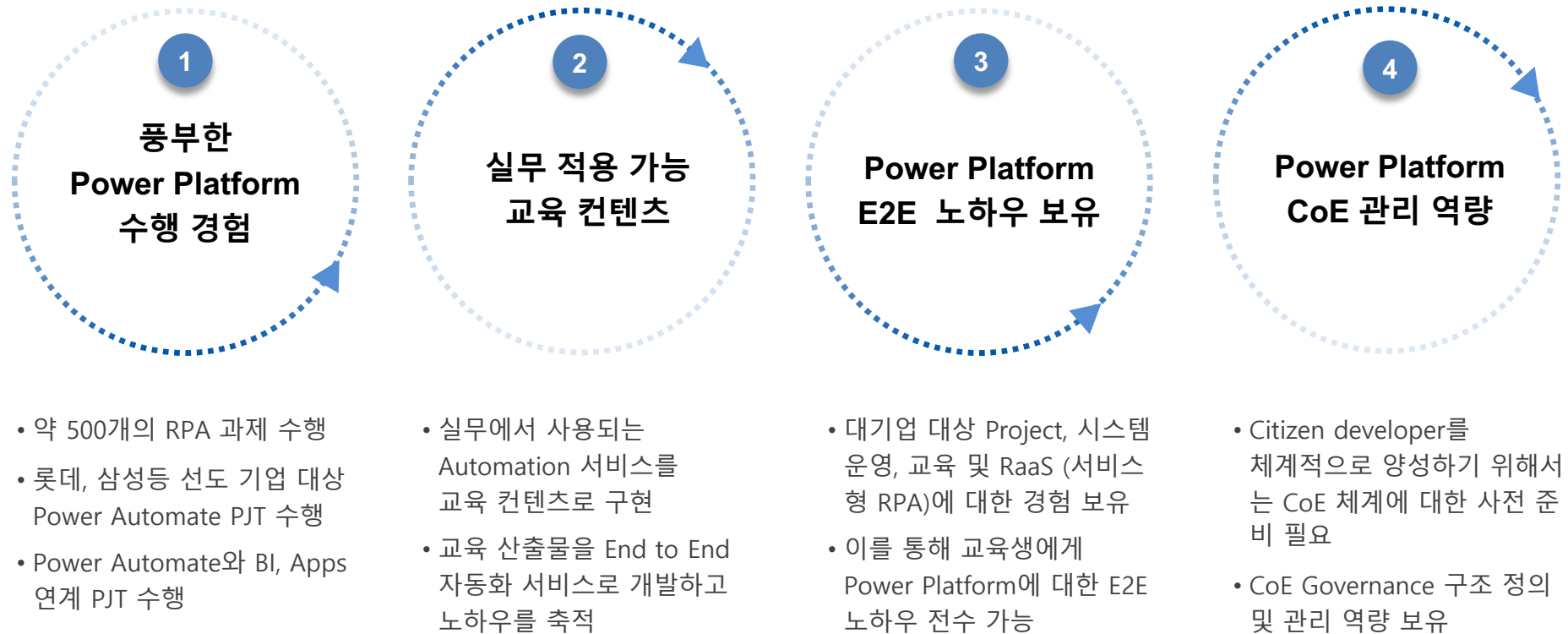
3. Roadmap

- IT governance plan
- Establishment of project roadmap
- Process definition
- Overall execution plan

Note: Pricing and duration for the service depends on several factors including customer organization size, system size, workloads involved and geographical spread.

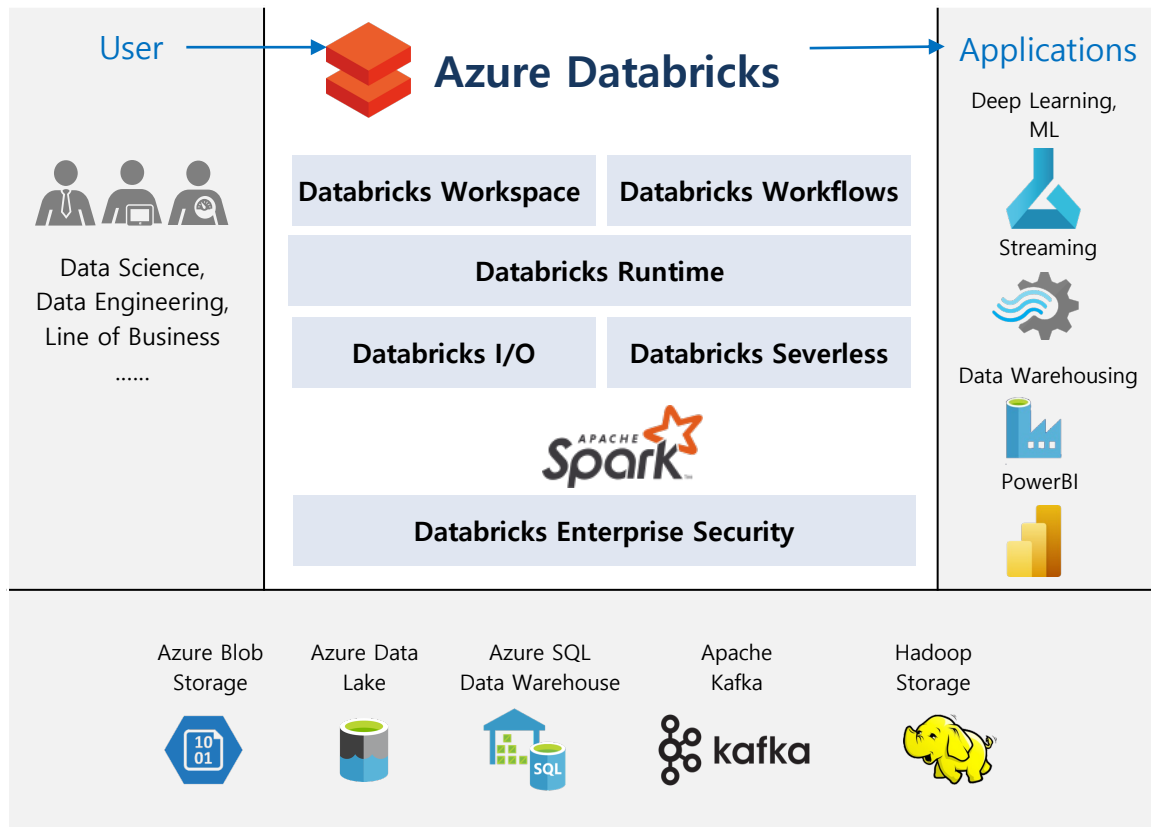
Differences of DEX Consulting

□ DEX Consulting has differentiated corporate training capabilities and accumulated contents.



Azure Databricks Overview

- ❑ Databricks is a popular framework for analyzing big data
- ❑ It can perform a full range of operations on datasets, utilized in BI and ML, and more



주요 기능

- **방대한 양의 데이터 처리 및 변환**
 - Hadoop 보다 10배 적은 리소스를 사용해서 3배 더 빠른 처리 속도를 달성
- **기계 학습 모델을 통해 데이터 탐색**
 - 예측 분석을 자동화, 보장 및 가속화
 - 데이터 과학자, 분석가가 정확한 예측 모델을 구축, 배포
- **업계 최고의 클라우드 기반 데이터 엔지니어링 도구**
 - 데이터 수집, ETL/ELT, 오케스트레이션 기능 제공

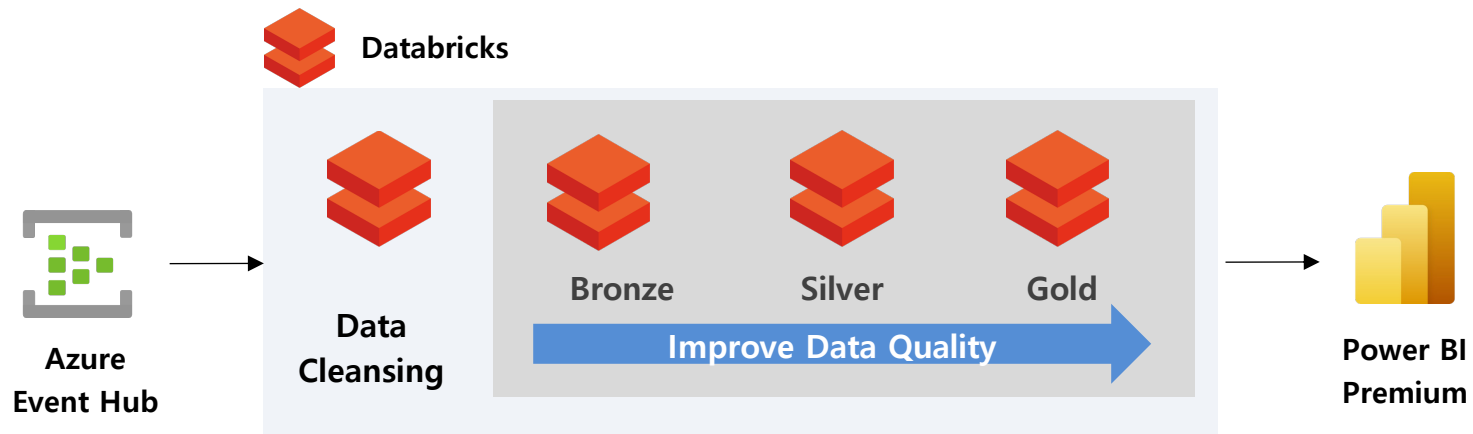
특장점

- 친숙한 언어와 환경
- 빠른 처리속도에 의한 생산성 및 협업 향상
- Microsoft 제품군과 손쉽게 통합
- 광범위한 데이터 소스 목록(비정형/정형)
- 소규모 작업에도 적합
- 광범위한 문서 및 지원 제공

Process, store, clean, share, analyze, and model data sets for BI, machine learning, and more.

Architecture : Azure Databricks

- ❑ Databricks is a service that stores your data in Azure Data Lake Storage Gen2 and provides all the analysis, integration, enhancement, and optimization.







Azure Databricks

Reliable data engineering	Massive data processing for batch and streaming workloads
Analyze all type data	Use the latest and most complete data analytics
Collaborative data science	Simplified, effective data science for large data sets
Open source-based	Fast and optimized Apache Spark environment

Data & AI : DEX Consulting Customer References

□ Based on the developed engine, we worked with various customers- financial analysis, VoC analysis, social listening, etc.

<p>Robo Advisor</p>	<ul style="list-style-type: none"> • 금융 AI 분석 플랫폼 <ul style="list-style-type: none"> - 금융 정보 분석 및 포트폴리오 서비스 - 대용량 데이터 처리, 다중 시계열 분석, 금융시장 상황 판단모델 적용 	
<p>News</p>	<ul style="list-style-type: none"> • 금융 뉴스 분석 <ul style="list-style-type: none"> - 실시간 금융뉴스 데이터 수집 및 분석 - 테마 추출 및 테마 구성 종목 분석(펀더멘털 및 모멘텀) 	
<p>VoC</p>	<ul style="list-style-type: none"> • 고객 VoC 분석 <ul style="list-style-type: none"> - 고객 VoC 원문으로부터 고객 불만 원인 및 의도 파악 - 분류 정확도 96% 달성 	
<p>Fraud Detection</p>	<ul style="list-style-type: none"> • 보험사기방지(진료비 데이터 분석) PoC <ul style="list-style-type: none"> - 진료내용 데이터로부터 보험료 과다청구 등 분석 - 분류 정확도 94% 달성(PoC 1위) 	
<p>Search</p>	<ul style="list-style-type: none"> • 프로모션 및 제품에 대한 고객 반응 분석 <ul style="list-style-type: none"> - SNS, Commercial Site, 고객 Community 고객 데이터 분석 - 고객불만에 대한 즉시대응 및 Insight 도출 	