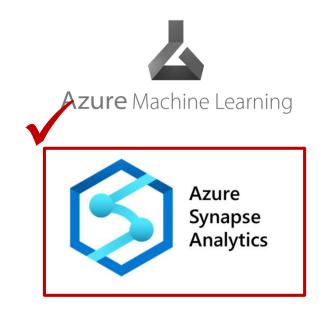


Azure Synapse Analytics for Gaming

Program Overview

Advanced Azure Data Analytics Day







Advanced Azure Data Analytics Day

2월 24일(수)

Azure Synapse Analytics를 활용한 User Segmentation 기반의 Target Marketing

- 13:30 18:00
 - Azure Synapse Analytics 소개
 - Hands-on / Modeling Session

4월 28일(수)

Azure Machine Learning을 활용한 Abuser detection 진행

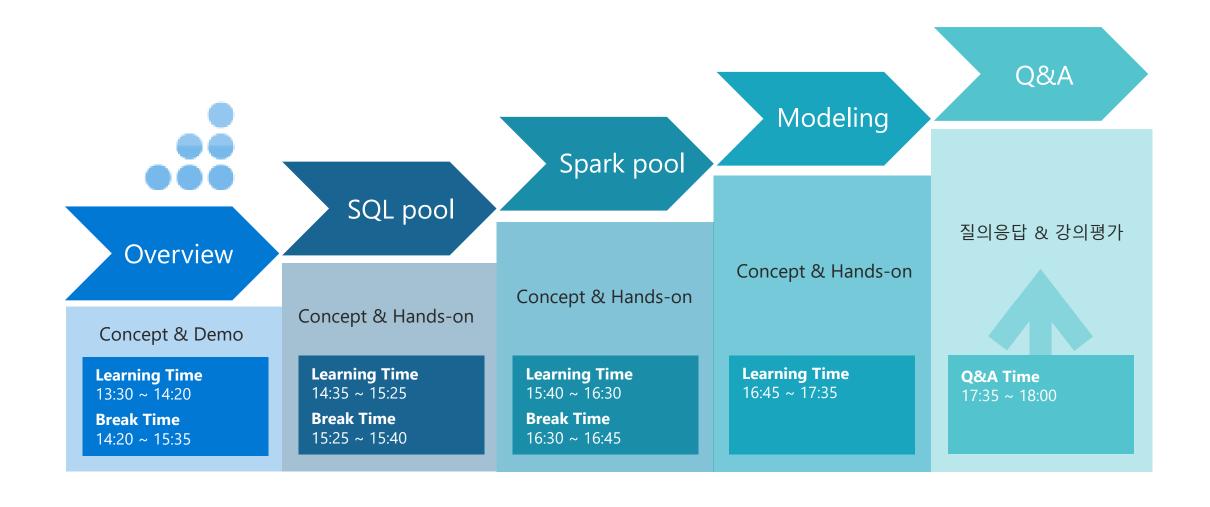
- 13:30 18:00
 - Azure Machine Learning 소개
 - Hands-on / Modeling Session

6월 30일(수)

Azure Cognitive Service를 활용한 Chatbot 및 in-game translation 개발

- 13:30 18:00
 - Azure Cognitive Service 소개
 - Hands-on / Modeling Session

Advanced Azure Data Analytics Day: Progress



Advanced Azure Data Analytics Day: Speakers





Microsoft Data & Al

Overview:

Azure Synapse Analytics Concept & Demo





Hansol Song

Cloocus DA

SQL pool: Concept & Hands -on









Jongsung Sim

Cloocus DP

Apache Spark pool: Concept & Hands -on







Yoonjeong Park

Cloocus DS

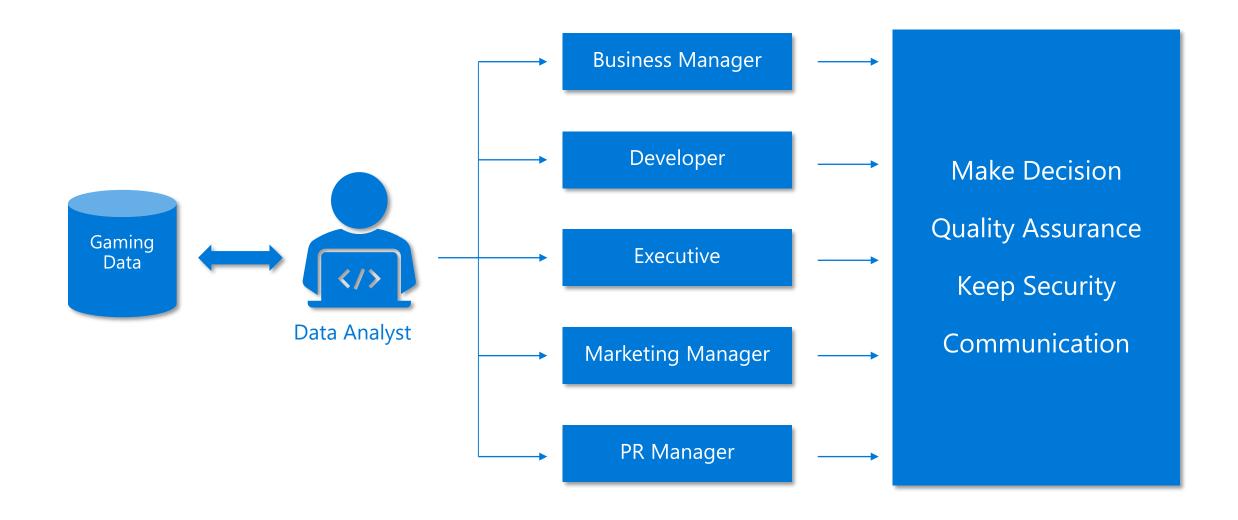
ML Modeling: Concept & Hands -on





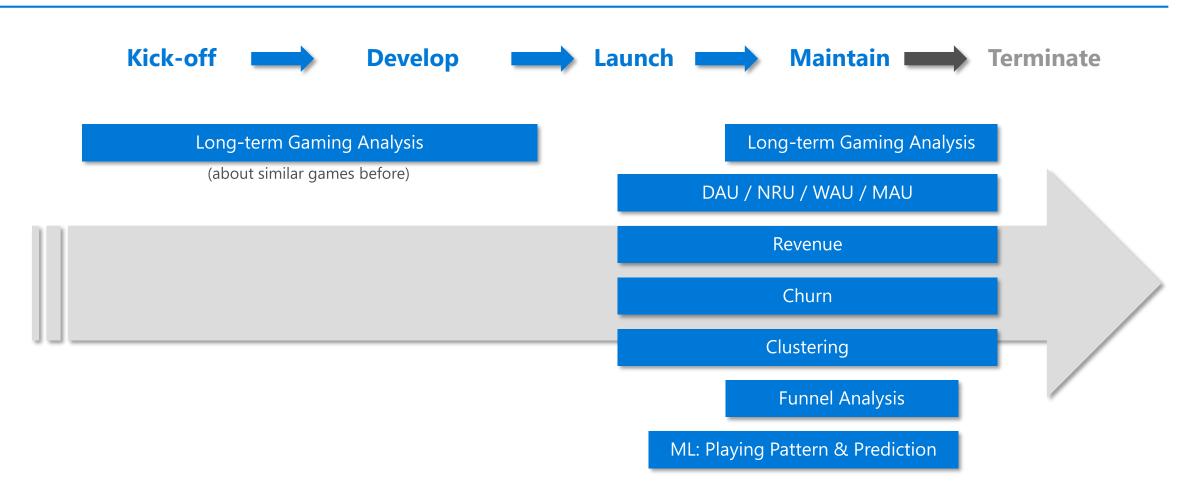
Gaming Data Analytics

Big Data Analytics in Gaming



Big Data Analytics in Gaming

Gaming: Life cycle



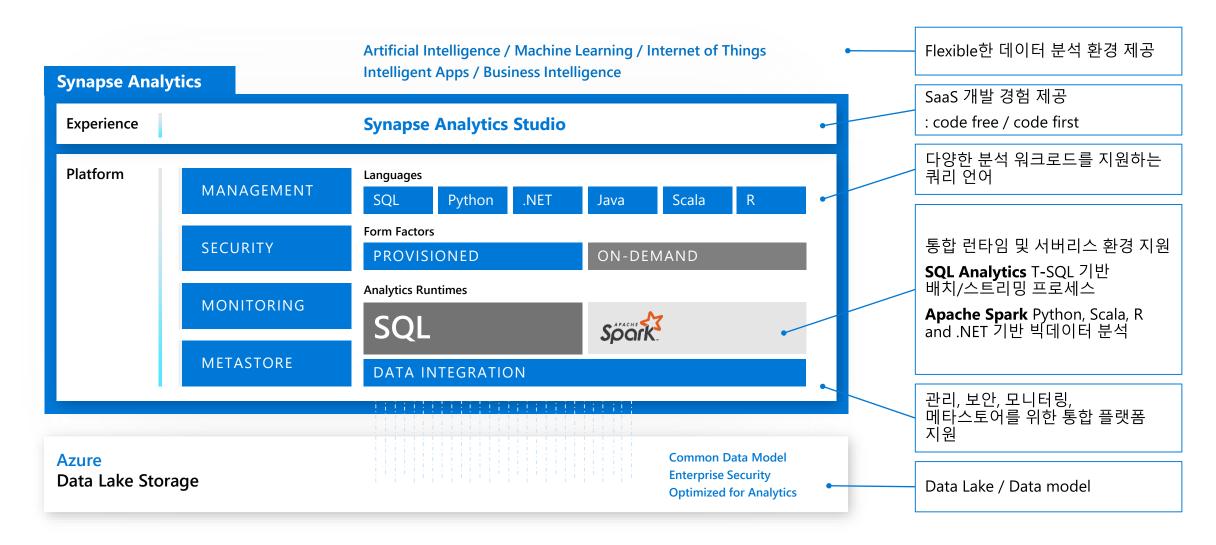
Gaming Data Analytics



Azure Synapse Analytics

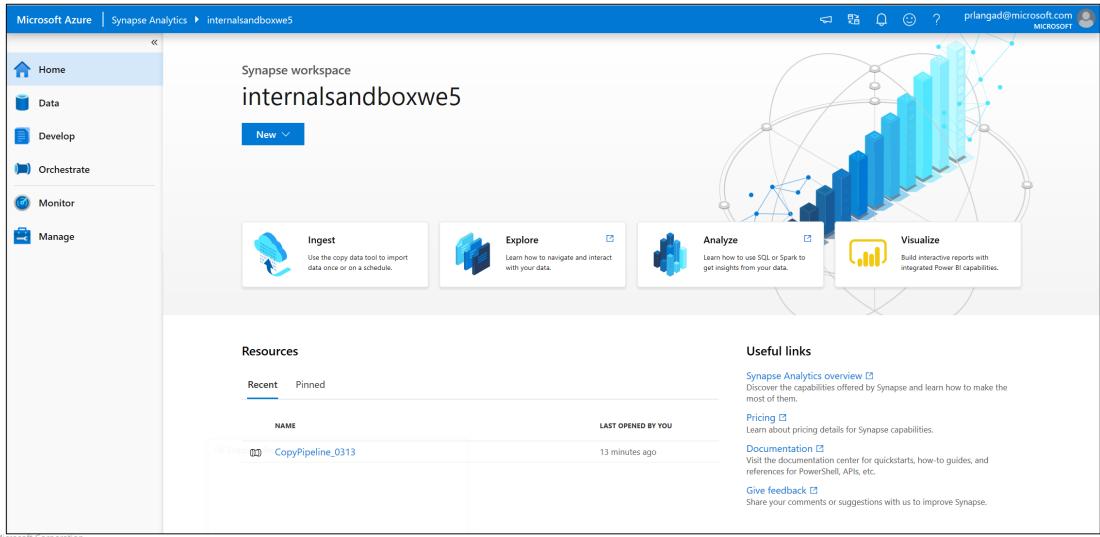
Azure Synapse Analytics

가장 빠르게 인사이트를 얻을 수 있는 무제한 분석 서비스



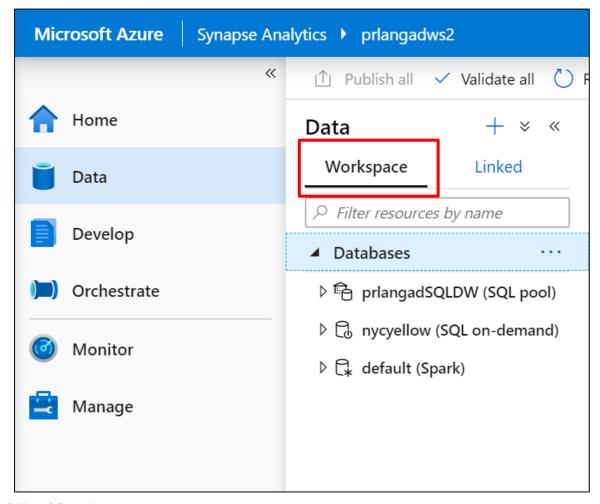
Studio

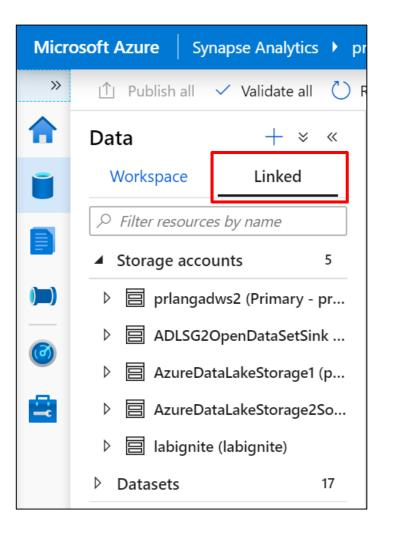
데이터 엔지니어 / 데이터 사이언티스트 / 데이터 분석가 / IT 기술자의 데이터 분석 협업 환경



Data Hub

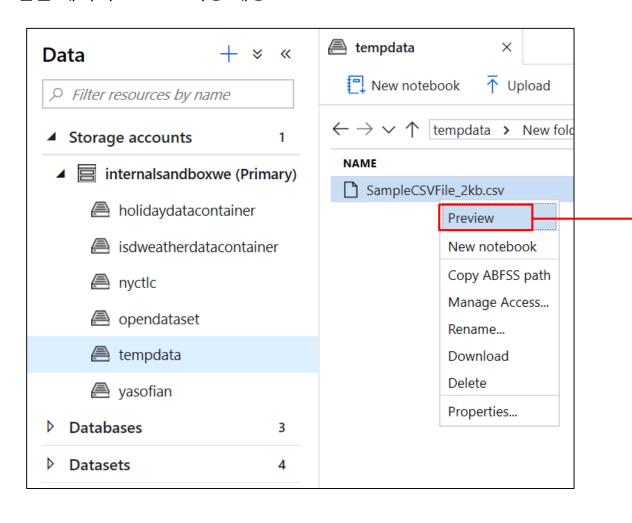
Workspace(SQL/Spark) 및 Storage 계정에 연결하여 데이터 분석

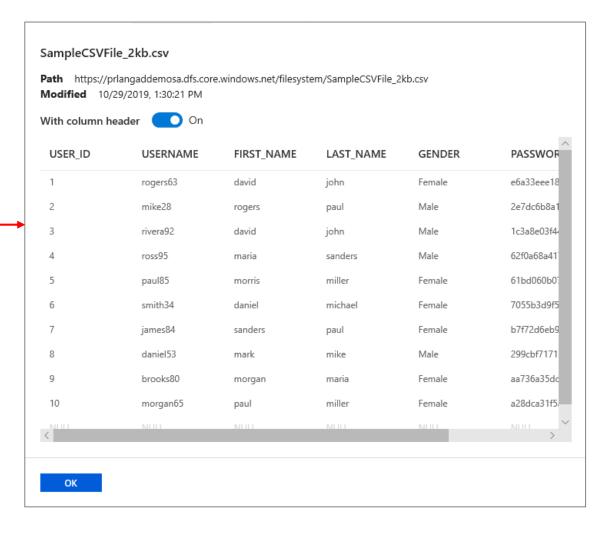




Data Hub – Storage accounts

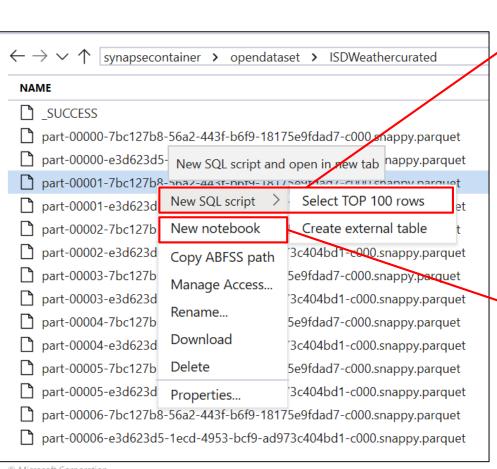
샘플 데이터 Preview 기능 제공

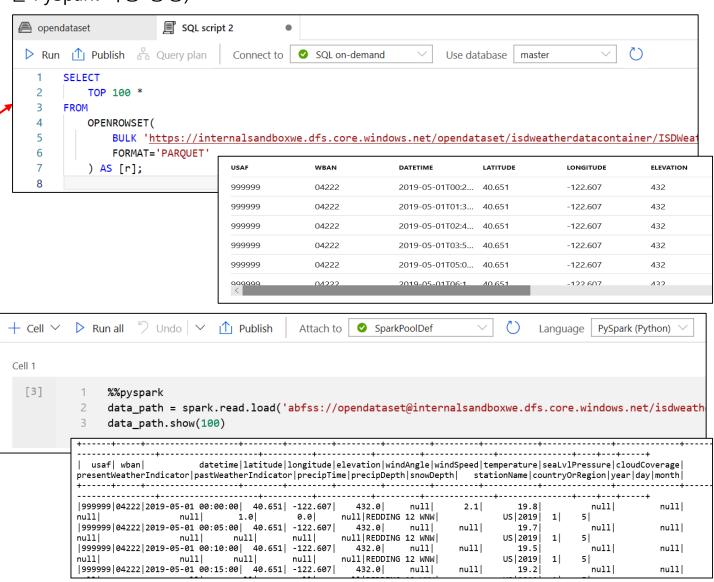




Data Hub – Storage accounts

SQL 스크립트 및 Notebook에서 간단한 쿼리 set 제공 (T-SQL 또는 PySpark 자동 생성)





Develop Hub

Overview

데이터 쿼리/분석/모델링을 위한 개발 환경

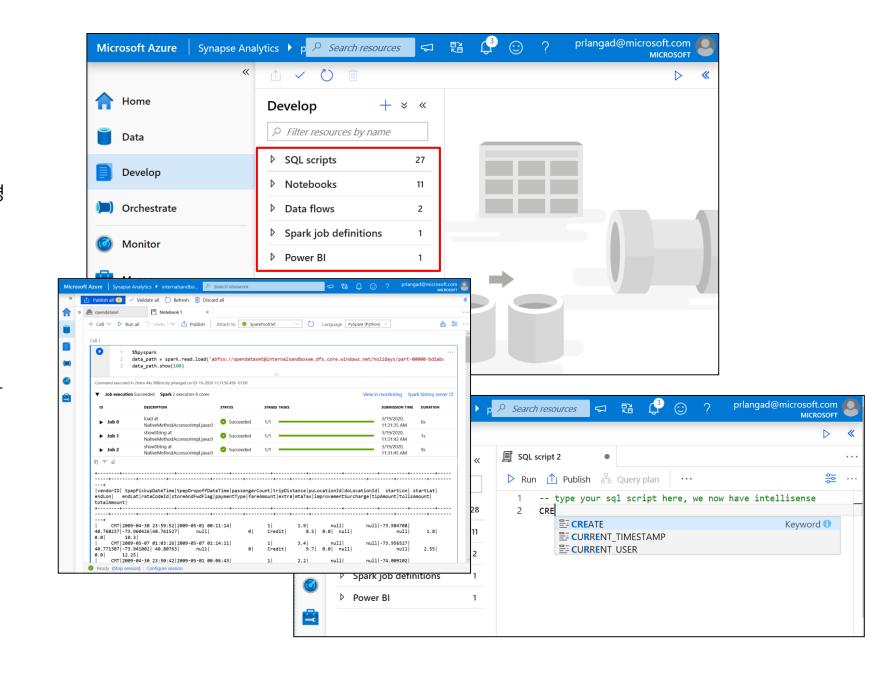
Benefits

다양한 분석 언어 (T-SQL, Python, Scala, R, .NET)

데이터 손실 없이 노트북/스크립트 간 전환

코드 IntelliSense를 탑재한 안정적인 개발 환경

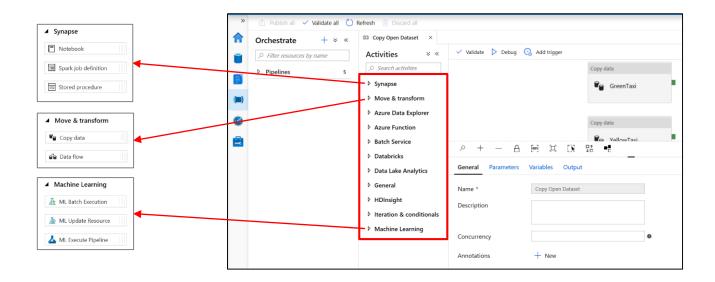
시각화를 통한 인사이트 제공

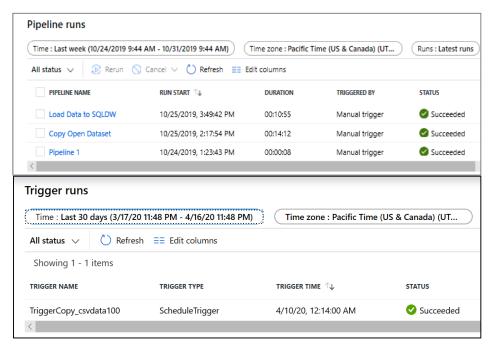


Orchestrate Hub

Pipeline 생성을 통한 ETL(데이터 적재, 변형, 로딩)

- Pipeline 상에서 수행 가능한 다양한 Activity 제공
- 90개 이상의 Connector(Linked Services)로 손쉽게 cross platform 분석 환경 구성 Pipeline 및 Activity 별 진행 상태 모니터링 (Failure 발생 시 상세 원인 내역 제공)





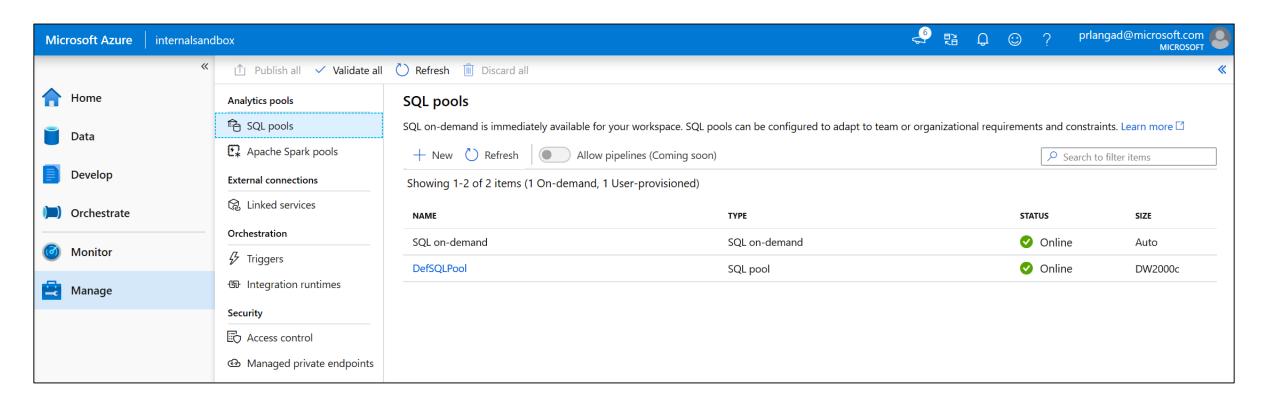
90+ Connectors out of the box

Azure (15)	Database & DW (26)		File Storage (6)	File Formats(6)	NoSQL (3)	Services and App (28)		Generic (4)
Blob storage	Amazon Redshift	Oracle	Amazon S3	AVRO	Cassandra	Amazon MWS	Oracle Service Cloud	Generic HTTP
Cosmos DB - SQL API	DB2	Phoenix	File system	Binary	Couchbase	CDS for Apps	PayPal	Generic OData
Cosmos DB - MongoDB API	Drill	PostgreSQL	FTP	Delimited Text	MongoDB	Concur	QuickBooks	Generic ODBC
Data Explorer	Google BigQuery	Presto	Google Cloud Storage	JSON		Dynamics 365	Salesforce	Generic REST
Data Lake Storage Gen1	Greenplum	SAP BW Open Hub	HDFS	ORC		Dynamics AX	SF Service Cloud	
Data Lake Storage Gen2	HBase	SAP BW via MDX	SFTP	Parquet		Dynamics CRM	SF Marketing Cloud	
Database for MariaDB	Hive	SAP HANA				Google AdWords	SAP C4C	
Database for MySQL	Apache Impala	SAP table				HubSpot	SAP ECC	
Database for PostgreSQL	Informix	Spark				Jira	ServiceNow	
File Storage	MariaDB	SQL Server				Magento	Shopify	
SQL Database	Microsoft Access	Sybase				Marketo	Square	
SQL Database MI	MySQL	Teradata				Office 365	Web table	
SQL Data Warehouse	Netezza	Vertica				Oracle Eloqua	Xero	
Search index						Oracle Responsys	Zoho	
© Microsoft Composition Table storage								

Manage Hub

Overview

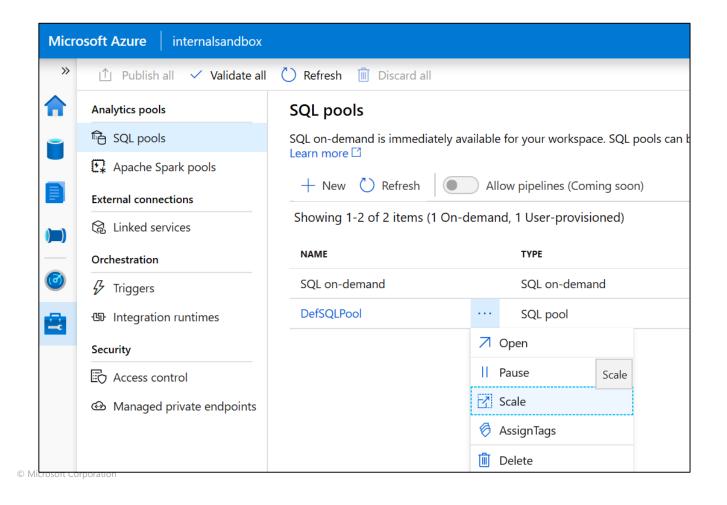
Management: Analytics Pool, Linked Services, Orchestration, Security

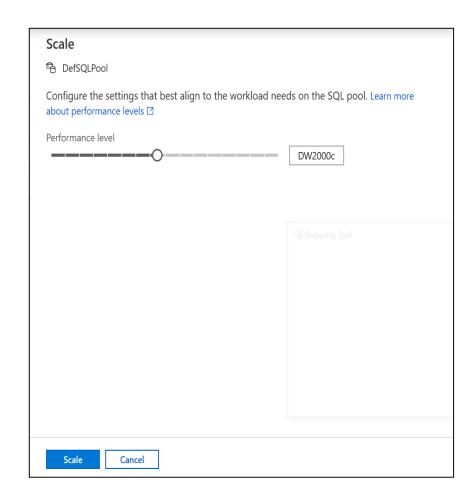


Manage – SQL pools

Overview

진행 중인 프로세스 중지 및 재시작, 스케일 변경, 태그 등록 등

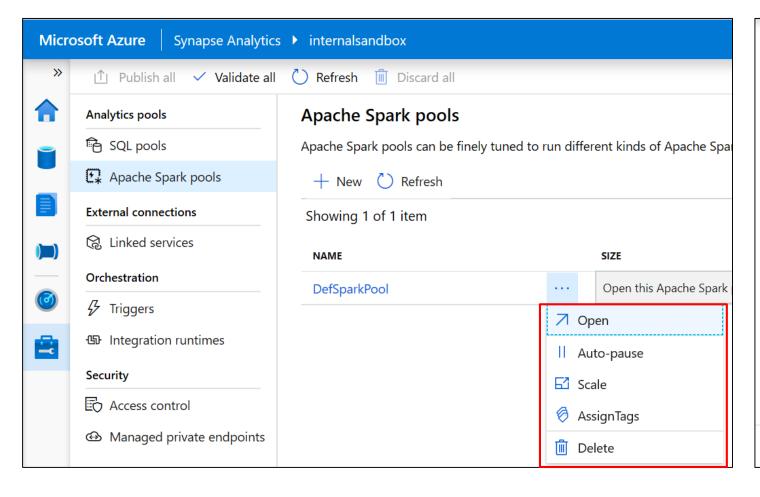


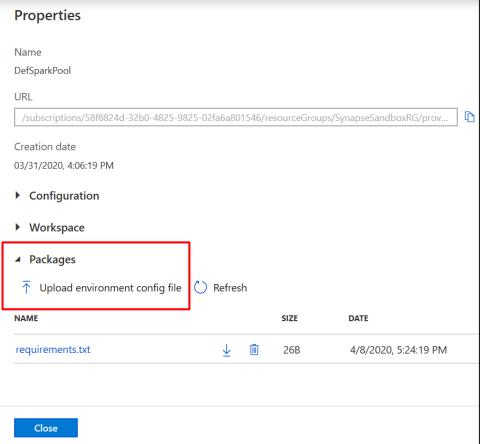


Manage – Apache Spark pools

Overview

진행 중인 프로세스 중지 및 재시작, 스케일 변경, 태그 등록 등





Manage – Linked services

Overview

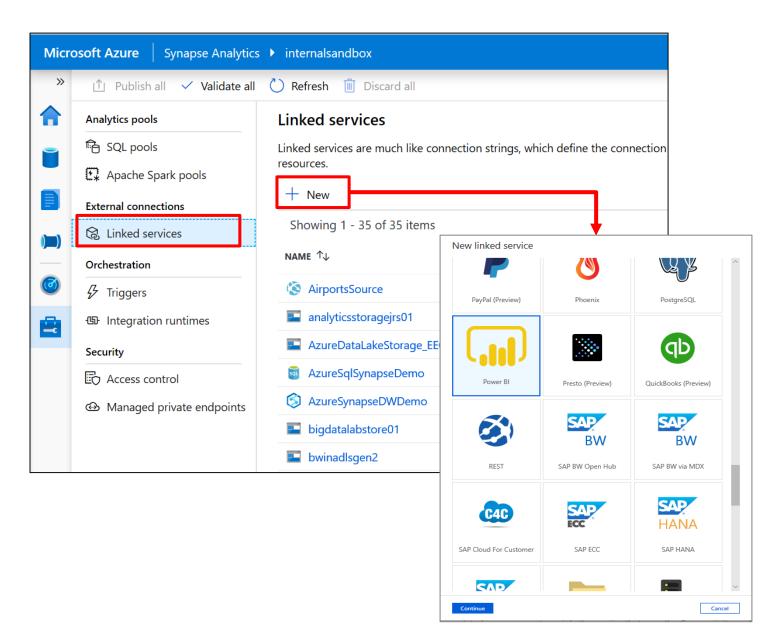
외부 리소스에 대한 연결 정보 확인 및 변경

Benefits

90개 이상의 pre-build connector 제공

: 데이터 저장소 혹은 Compute resource

Cross-platform data migration



Manage – Triggers

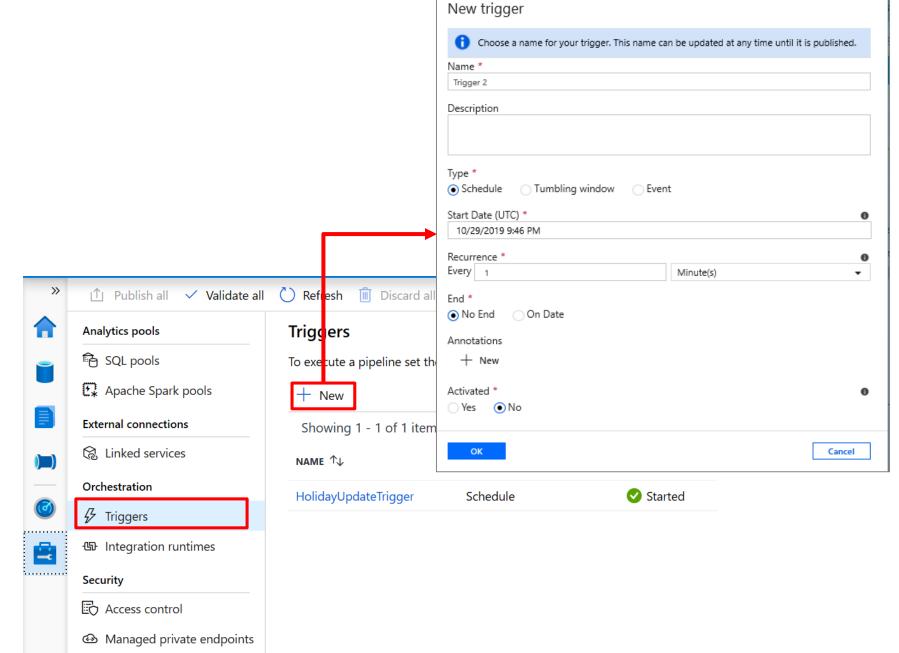
Overview

Pipeline 실행 프로세스 및 실행 주기 정의

Benefits

Create and manage

- Schedule trigger
- Tumbling window trigger
- Event trigger



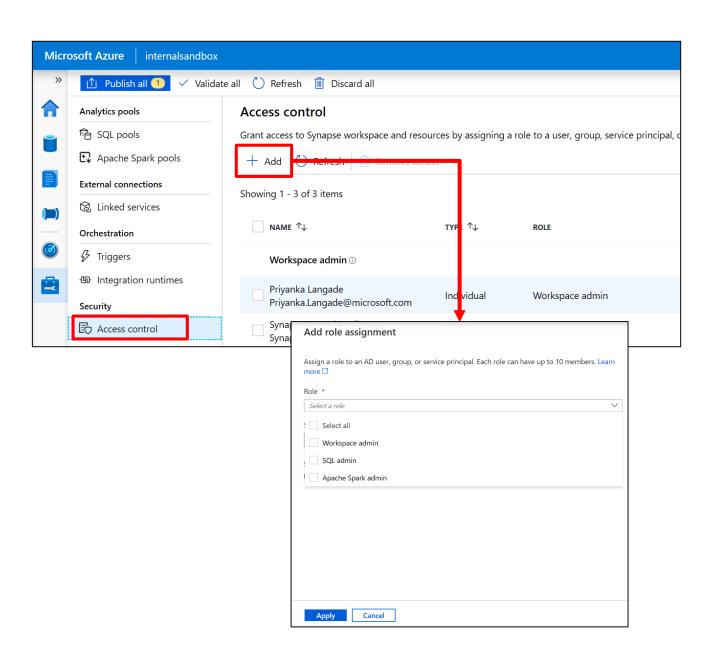
Manage – Access Control

Overview

RBAC(Role-Based Access Control) : 연결된 리소스에 대한 역할별 접근 권한 설정

Benefits

- 한 개의 workspace에서 팀 공동 작업
- 생산성 향상
- SQL pool 및 Spark pool에 대한 권한 설정



Demo

