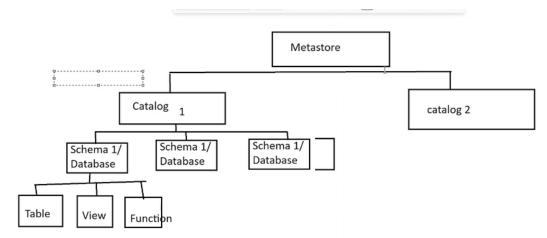


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Data Bricks

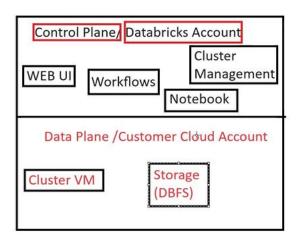
- https://notepad.pw/shellidasep23
- Used for predictive analysis
- Lab
- Storage+compute
- Data Hiera



Data Bricks

- Data Bricks Architecture
- Mounting
- Notebook auth
- 1. Access key
- 2. SAS
- 3. Service Principal
- Lab

Architecture



Data Bricks

- DataBricks to ADF
- GitHub confg
- Data Bricks Lakehouse (Data Lake + DW)
- Optimize large files
- Time Travel
- Version
- Timestamp
- Connect sqldb

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Azure Container

- Introduction to Docker Containers
- IaaS VMs
- PaaS Azure SQL, DataBricks, Docker
- SaaS Office 365, Power BI Service
- All containers are run by a single OS & kernel and hence uses fewer resources
- Developing & automating the deployment of application
- Features
- Lightweight & fast env
- Open source
- Easy & consistent way of delivery of application
- Fast & efficient dev life cycle
- Segregation of duties
- Service-oriented arch PaaS
- Security
- Scalability
- Image & Volume Management
- Networking

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Azure Container

- Client-Server Architecture
- Azure Container Services
- Azure Container Instances
- Azure Container Apps
- Azure Kubernetes Services

Kubernetes

- Open source container management tool
- Manages docker containers in the form of a cluster
- Features
- Automatic scheduling
- Self Healing capability
- Automated rollouts & rollbacks
- Horizontal scaling
- Resource utilization
- Support for multiple clouds & hybrid clouds
- Extensibility
- Community Support
- Client-Server arch

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DevOps Continuous Development