



DBN
Development
Bank of Nigeria Plc
RC 2125724

THE ADOPTION AND INTEGRATION OF CLOUD SERVICES.

WHAT ARE THE BENEFITS AND RISKS?

April 2019

...Financing Sustainable Growth

Our Corporate Philosophy



DBN
Development
Bank of Nigeria Plc

RC 2125724

Vision

**To be Nigeria's
primary development
finance institution;
promoting growth
and sustainability**

Mission

**To facilitate sustainable
socio-economic
development through
the provision of finance
to Nigeria's underserved
MSMEs through
eligible financial
intermediaries.**

Core Values (S.T.E.D.I.)

**Sustainability
Transparency
Excellence
Diversity
Innovation**

AGENDA



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- 1. What are Cloud Services?**
 - 2. Benefits of Cloud Services**
 - 3. Risks of Using Cloud Services**
-

WHAT ARE CLOUD SERVICES



A **cloud service** is any service made available to users on demand via the Internet from a **cloud computing** provider's servers as opposed to being provided from a company's own on-premises servers.

Cloud services are designed to provide easy, scalable access to applications, resources and services, and are fully managed by a cloud services provider.

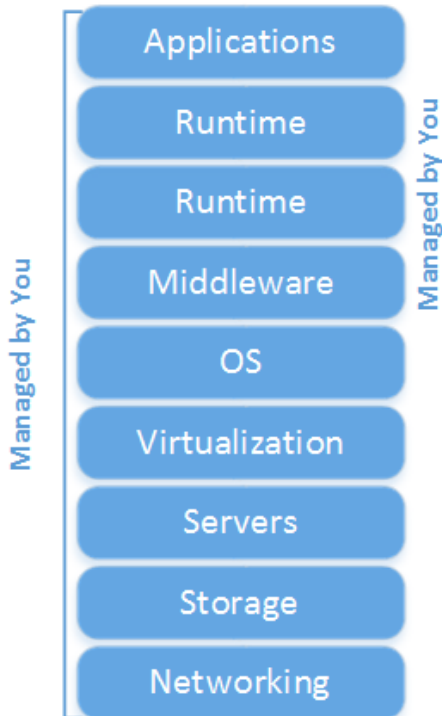
- *Webopedia*

Cloud computing is taking services ("cloud services") and moving them outside your organization's owned servers and storages. Applications and services are accessed via the internet or a private network typically on an "as-needed, pay-per-use" basis.

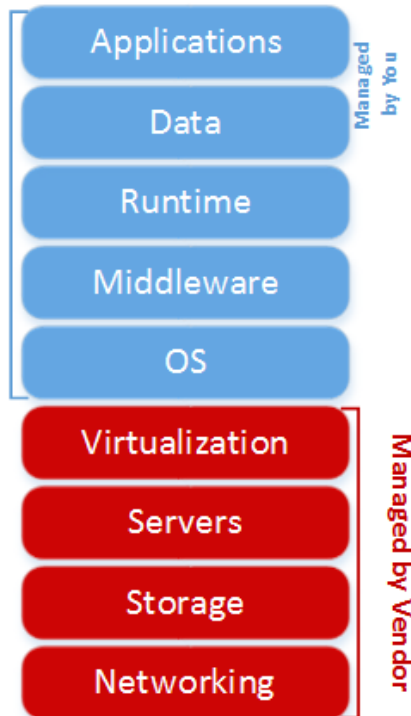
WHAT ARE CLOUD SERVICES?



On Premise



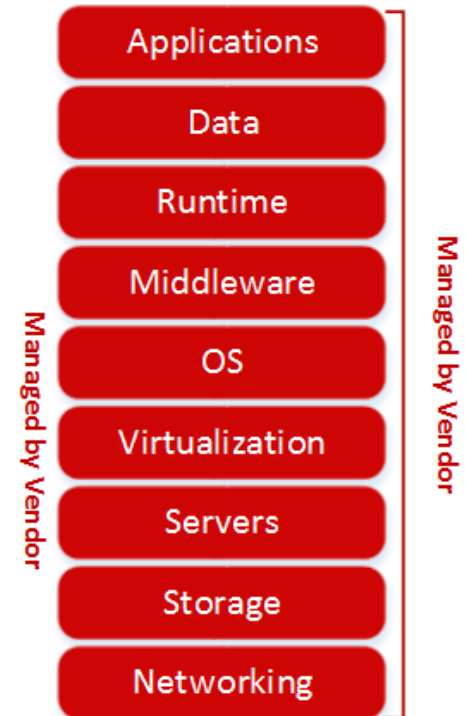
IaaS: Infrastructure as a Service



PaaS: Platform as a Service



SaaS: Software as a Service



WHAT ARE CLOUD SERVICES?



This is an example of cloud services

AWS Services

Deployment & Management

Application Services



Amazon
SQS



Amazon
ElasticTranscoder



Amazon
SES



Amazon
AppStream



Amazon
CloudSearch

Mobile Services



Amazon
Cognito



Amazon
Mobile Analytics



Amazon
SNS

Enterprise Applications



Amazon
WorkDocs



Amazon
WorkSpaces



Amazon
WorkMail

Application Services

Administration & Security



AWS
DirectoryService



AWS
IAM



AWS
Trusted Advisor



AWS
Config



AWS
CloudTrail



Amazon
CloudWatch

Deployment & Management



Amazon
CloudFormation



AWS
OpsWorks



AWS
CodeDeploy

Analytics



Amazon
Kinesis



AWS
Data Pipeline



Amazon
EMR

Foundation Services

Compute



Amazon
EC2



AWS
Lambda

Storage & Content Delivery



Amazon
CloudFront



Amazon
Glacier



AWS
Storage Gateway



Amazon
Content Delivery

Database



Amazon
DynamoDB



Amazon
RDS



Amazon
Redshift



Amazon
Elastic Cache

Networking



Amazon
Route 53



Amazon
VPC

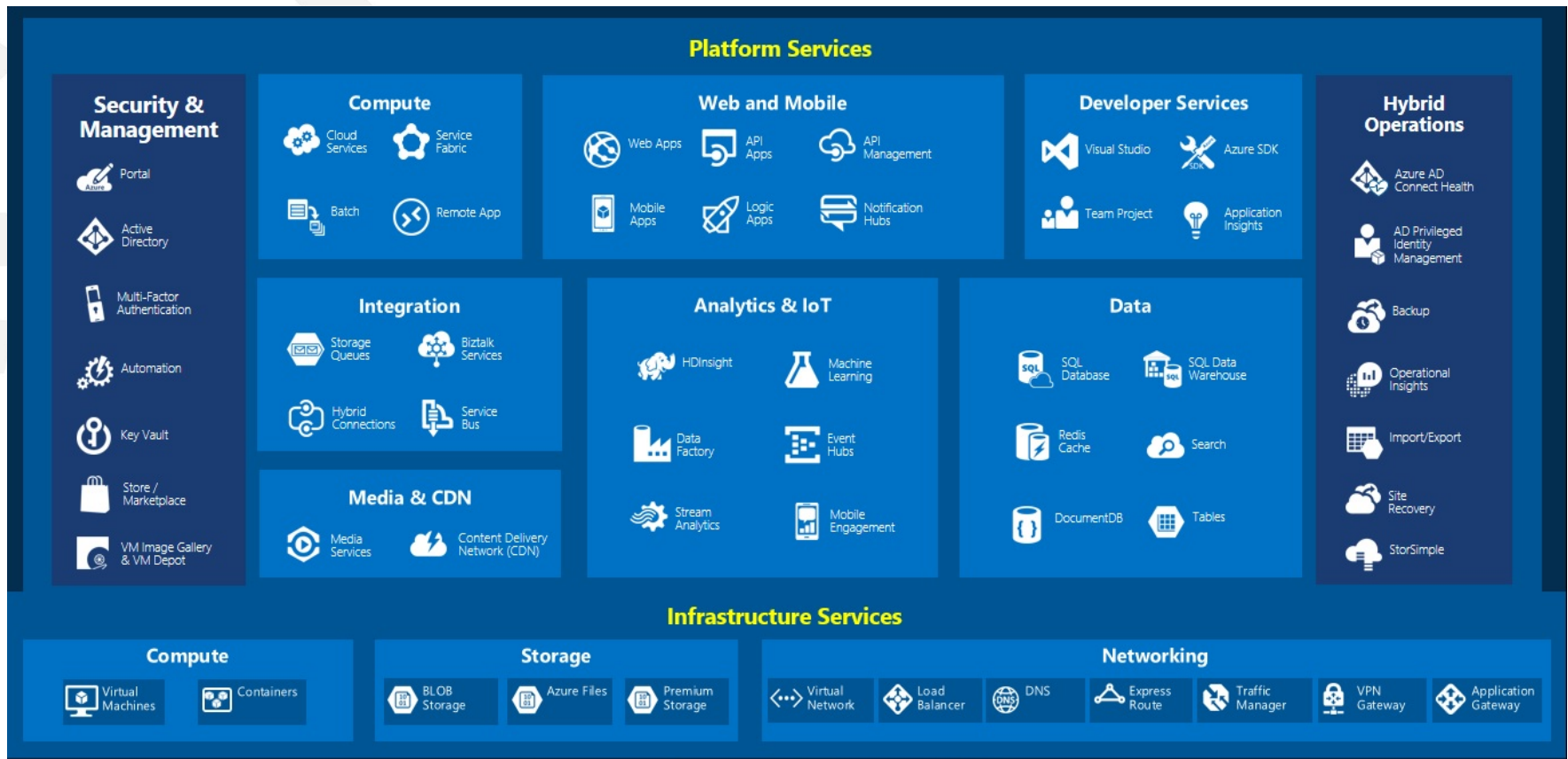


AWS
Direct Connect

WHAT ARE CLOUD SERVICES?



Another example of cloud services



Companies are now running their entire information services in the cloud.

BENEFITS CLOUD SERVICES



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FINTECH

Standard Bank moves over to Amazon Web Services for Cloud Services

2 weeks ago 2 Min Read



Standard Bank has chosen Amazon Web Services (AWS) as its preferred cloud provider with the intention of migrating its production workloads, including its customer facing platforms and core banking applications, to the cloud.




Volkswagen Chooses Amazon Web Services for Factory IoT

04/03/2019 - 4:20pm Comments by Megan Crouse

Operations

Volkswagen has chosen Amazon Web Services as its cloud-based production platform in an effort to build a new industrial cloud service within the Volkswagen Group. With production platforms in competition, Volkswagen's choice gives Amazon another major customer. The project, called the Volkswagen Industrial Cloud, will be an industrial digital production hub for logistics and manufacturing.

 **Megan Crouse**
Editor
@abmdigi
Full Bio >

ADVERTISEMENT

BMW continues to bet on the (Azure) cloud

Frederic Lardinois @frederic / 1 month ago

Comme



Companies are now running their entire information services in the cloud.

BENEFITS CLOUD SERVICES



USE CASES

IT Operations

1. Infrastructure and Platform Services
2. Application Hosting
3. IT Automations

Business Process Management

1. Document Management
2. Workflows
3. Service Level Management

Business Intelligence and Analytics

1. Reporting
2. Data Visualisation
3. Big Data
4. Machine Learning
5. Artificial Intelligence

Information Security

1. Threat Intelligence
2. Advanced Threat Protection
3. Cloud Security Operating Center

Automation

1. Internet of Things
 2. Robotic Process Automation
 3. Service Management
-



1. NCC's Registration of Telephone Subscribers Regulation (RTS Regulation) in 2011
2. NITDA's Nigerian Content Development in Information & Communication Technology

NITDA To Release New Regulations And Guidelines For The IT Sector Including Blockchain And Cloud Computing In Nigeria

RISKS



1. Availability Risk
2. Data Sovereignty
3. Skills and Knowledge Gap

Cloud Computing Risks

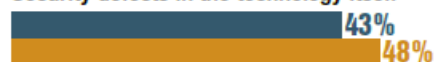
When thinking about risks related to using cloud services, what are your top concerns?

■ 2015 ■ 2014

Unauthorized access to or leak of our customers' information



Security defects in the technology itself



Unauthorized access to or leak of our proprietary information

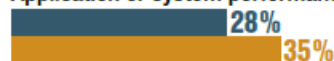


Inability to set or enforce security policy in cloud service-provider environment

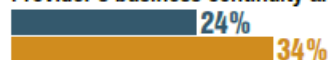


N/A

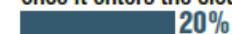
Application or system performance



Provider's business continuity and disaster recovery readiness



Inability to track or troubleshoot data once it enters the cloud



N/A

Business viability of provider; risk company will fail



Vendor lock-in



Features and general maturity of technology



Other



The background is a solid green color. It features a large, faint, light-green circle in the center. Surrounding this circle are various geometric shapes, including triangles and rectangles, in different shades of green, creating a pattern that resembles a stylized sunburst or a modern architectural design.

Thank You