



# MEGHNA CLOUD

TRANSFORMING YOUR SERVICES FOR THE CLOUD:  
How we can transform your organization for a Smart Bangladesh



BANGLADESH  
DATA CENTER  
COMPANY LIMITED

## CORE OBJECTIVES:



***Large projects Government is working on.***



***How Meghna Cloud will be able to aid in the development of Smart Bangladesh.***



***Localize data of the people, by the people, for the people.***

- Metro rail
- Padma bridge
- Rooppur NPP
- Karnaphuli tunnel
- Surokkha
- Bangladesh bank
- Healthcare
- Power and Energy
- Rail & Transport
- Education
- Taxation & Finance ministry
- Law Enforcement Agencies
- Metrology, Satellite, etc.

## PRODUCING MASSIVE AMOUNT OF DATA



## COUNTRY NEEDS LARGE DIGITAL INFRASTRUCTURE

### TAKING PUBLIC SERVICES TO THE NEXT LEVEL



- *Smart Government 2.0*
- *Digital public infrastructure*
- *Decentralized decision-making and execution.*
- *Central monitoring of projects while enhancing cooperation and collaboration between Government bodies*
- *Using AI/ML for analysis driven decisions*
- *Secured platform*

**MEGHNA CLOUD** is built on top of Tier IV data center for mission critical services, in Bangladesh, built by Bangladeshis, with open source technologies for government and non-government digital workloads.



# PROBLEMS WITH MOST OF THE PROJECTS

As Bangladesh Government moves towards Smart Government concept, it has become important that we find out the root cause and try to provide a comprehensive solution under Meghna Cloud for each of the respective ministries.



**Any leadership change** creates bottlenecks for executing mid & long term projects.



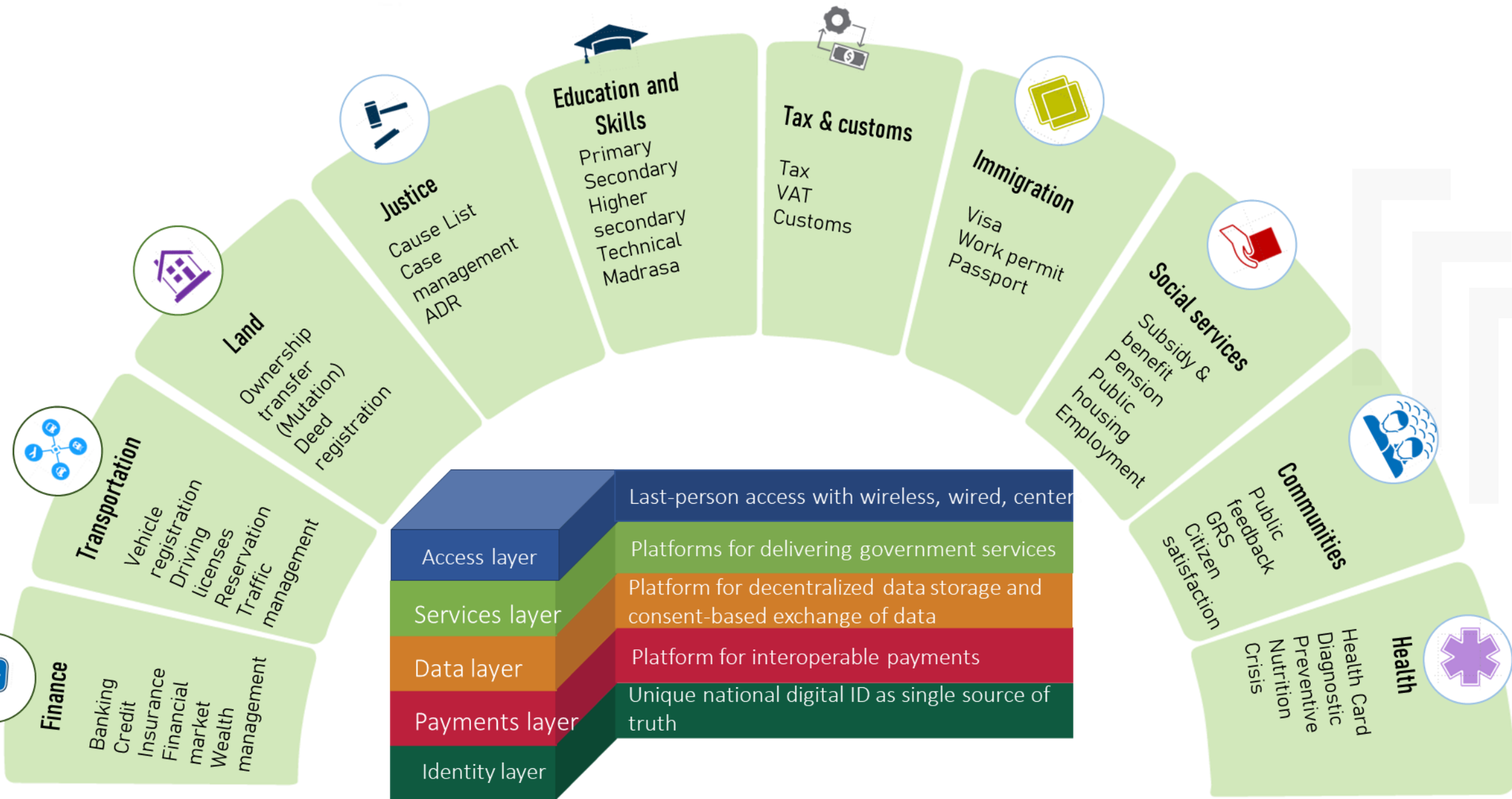
**Lack of skilled resource** projects end up with a lot of challenges.



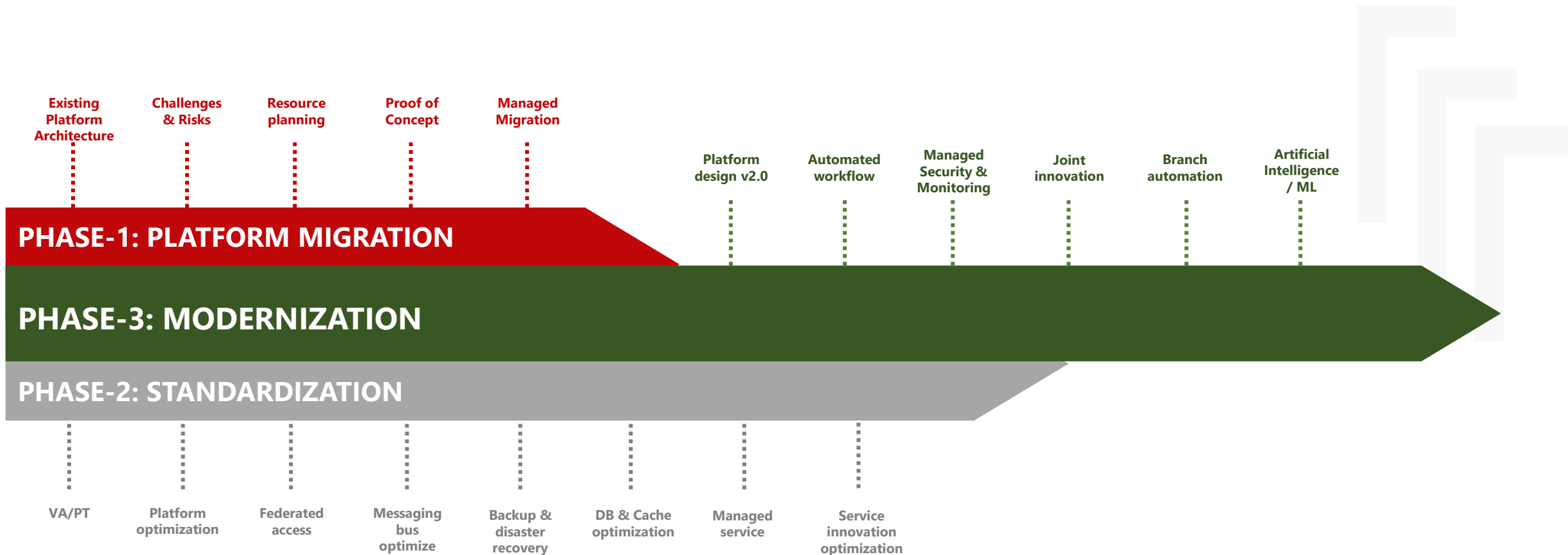
**Monitoring and managing** of all IT resources has become a very big challenge.



**Little or no cyber security** leading to data leakage and threatening national security.



# HELPING YOU TOWARDS YOUR **CLOUD JOURNEY**



# WHAT IS THE GOVERNMENTS EXPECTATION?



## SECURED GOVERNMENT CLOUD

A nation of 160 million people are looking forward to their first Hybrid Government Cloud – the MEGHNA CLOUD. The Meghna Cloud will be able to satisfy the need of the Government in consolidating all Government ICT platforms and systems in a Secured manner under a single infrastructure which will maintain highest levels of standard and will set benchmarks!



## BUILDING A SMART BANGLADESH

As everything is moving towards the cloud worldwide, more than 25,000 people will be needed in Bangladesh alone to be trained over the course of the next 5 years to become ready for Cloud services which will facilitate building a smart workforce. Meghna Cloud will play a pivotal role in helping develop such an experienced workforce.



## OPTIMIZING REVENUE

Presently Bangladesh is going through challenges in managing the economy considering international context post COVID. The Meghna Cloud will help in optimizing revenue and help the Government save hundreds of millions of dollars worth foreign currency by utilizing local resources for its first Hybrid Government Cloud.





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# THE NATION IS TALKING ABOUT MEGHNA CLOUD

As the first Government Cloud of Bangladesh – everyone is talking about Meghna Cloud. A Smart Bangladesh being empowered by IT Infrastructure in the Cloud driven by the people of Bangladesh is something we envision. Meghna Cloud will fulfill the dreams of the Government and operate as an independent cloud entity meeting requirements of the Government of Bangladesh in the days to come as it will host all components of national information infrastructure. Meghna Cloud will be the first Hybrid Cloud built by Bangladeshi IT specialists using Open Source technologies.

## প্রথম আলো

প্রযুক্তি

ক্লাউডভিত্তিক নিজস্ব তথ্যভান্ডার চালু করবে সরকার

প্রযুক্তি ডেস্ক

১০ মার্চ ২০২৪, ১০:৩৫



চুক্তি স্বাক্ষর অনুষ্ঠানে বিভিন্ন মন্ত্রণালয় ও সংস্থাগুলোর প্রতিনিধিরা উপস্থিত ছিলেন।



দেশের ডেটা দেশেই থাকবে মেঘনা ক্লাউডে

১০ মার্চ ২০২৪



Thursday, March 7, 2024

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TECH & STARTUP



Tech & Startup Desk

Thu Feb 15, 2024 04:12 PM

Last update on: Thu Feb 15, 2024 04:20 PM

Press Release

Meghna Cloud, Bangladesh's first cloud data centre starts operation



On 29 December 2022, Gennext made a joint venture agreement with Bangladesh Data Centre Company Limited

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# WHY CHOOSE MEGHNA CLOUD?

Meghna Cloud will be able to help you with all your needs under a comprehensive umbrella from one roof - BDCCL. Yes, we are equipped to provide you with an end-to-end managed service portfolio based on your needs. We can also provide you completely customized services based on your requirements that can help you concentrate on your platform while we take care of your challenges.



**Secured  
Government Cloud**



**Flexible, Scalable  
& Updated**



**Reduced Costs of  
management**



**Automated  
platforms &  
functions**



**Uptime & Backup  
ensured**



**Accessible from  
anywhere**



**Managed Services**



**Technology  
support ensured**



**Customizable to  
YOUR needs**





# OUTLINE OF THE HYBRID MEGHNA CLOUD

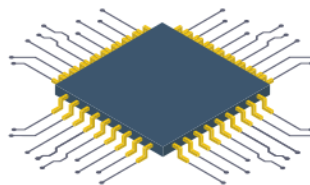


**MADE** in Bangladesh  
for Bangladesh  
by Bangladeshi

# SERVICE OFFERING: **FOUNDATION SERVICE**



**BULK STORAGE**



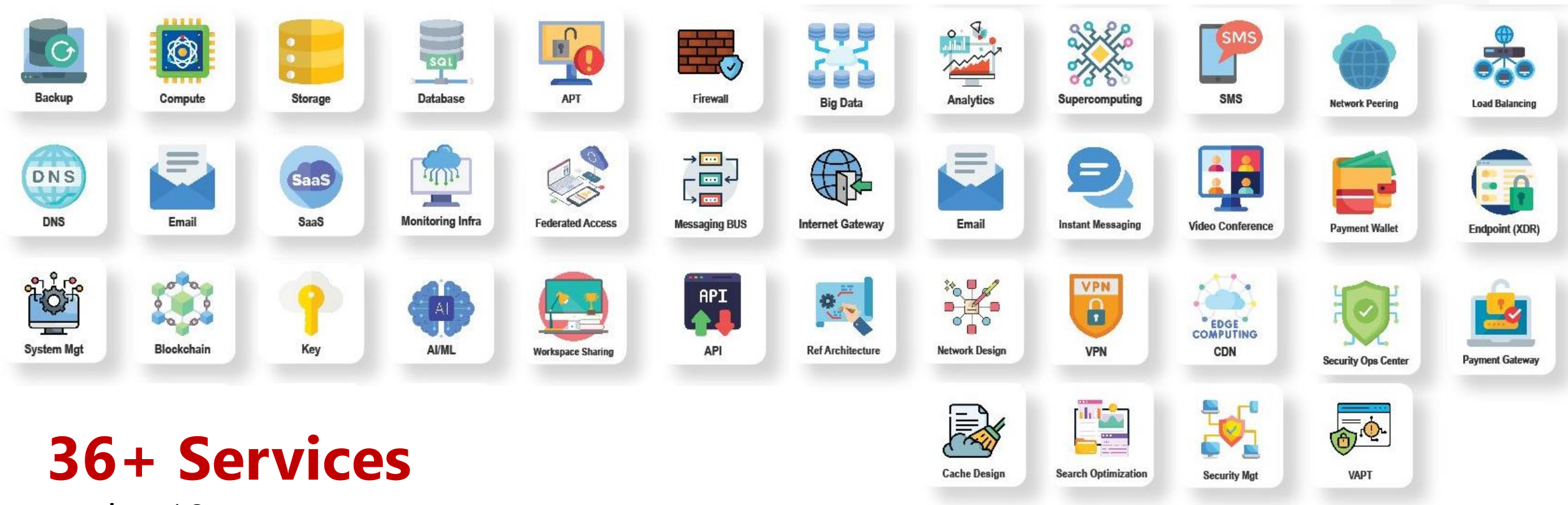
**COMPUTE**



**PLATFORM  
INTEGRATION**

We can help you deliver performance for your organizations IT workload at an optimized cost so that you can ensure maximum profitability while maintaining less headache while maintaining your IT infrastructure.

# CLOUD SERVICES ROADMAP



**36+ Services**  
under 10 category

# CLOUD OPERATING MODEL: **TRAINING**



## **LEARNING CURRICULUM**

Hosted service training curriculum on how to use and manage the platforms by themselves



## **TRAINING CONTENT**

Development of various literature and content for training



## **CERTIFICATION PATH**

Design various cloud service certification path for the services along with examination

How we will be able to offer a comprehensive learning service for the Hybrid Meghna Cloud

# ARCHITECTURE FOR SOC

USER END	Audit / Certification / Training / Hackathon / External VAPT (Blue / Red / Black testing) / Security Practices and Standards / Policies and Guidelines / Framework Development									
	Virtual Private Network (VPN) Server and Individual Client end		Endpoint Detection & Response (EDR)		Vulnerability Assessment (VA)		Penetration Testing (PT)		One Time Password (OTP)	Smart card
DATA CENTER END			Ticketing	User Behavior Analysis (UBEA)	Network Based Application Recognition (NBAR)		Network Ops Center (NOC)	Network Mgt System (NMS)	Equipment Registry / Inventory and Asset management	
	Encryption (Data In Rest + Data in Motion)	Threat Intelligence		Intrusion Detection (IDS) & Intrusion Prevention System (IPS)		Web Application Firewall (WAF)	Sandbox / DPI	Multi Factor Authentication (MFA)		
	Data Integrity (DB, App, Middleware)	Advanced Persistent Threat (APT)		Anti Virus for Servers		Security Incident & Event Management (SIEM)		Federated Access (IAM) / Single Sign On (SSO)		
	Enterprise Backup	Mail Filtration / Spamming		Hardening of all Hardware		Security Orchestration Automation & Response (SOAR)		Privileged Access Management (PAM)		
INTEGRITY		THREAT DETECTION AND RESPONSE				SECURITY OPERATIONS			IDENTITY	

Our customized SOC will allow for a unified monitoring and engagement model considering security perspectives which will be able to provide us enough artefact at the cloud level.



## COMPREHENSIVE PARTNERSHIPS

We are partnered up with some of the best international power houses for security and cloud infrastructure platforms as well should you feel we can be of help.

kaspersky

DARKTRACE

FORTINET®



Trellix



# THANK YOU



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