

**START YOUR DIGITAL JOURNEY
WITH MEGAZONECLOUD TODAY!**



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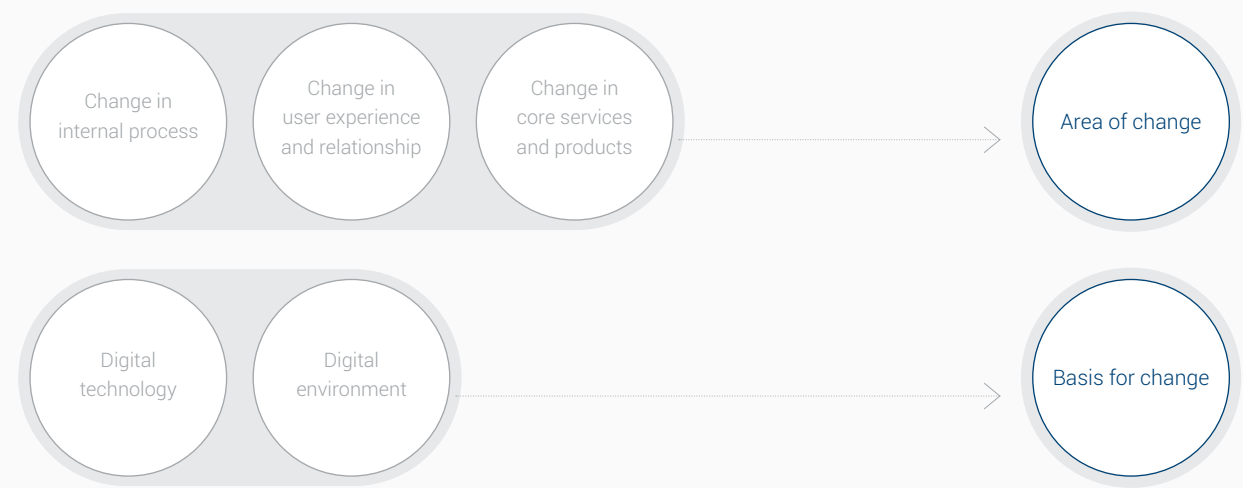
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Digital Transformation

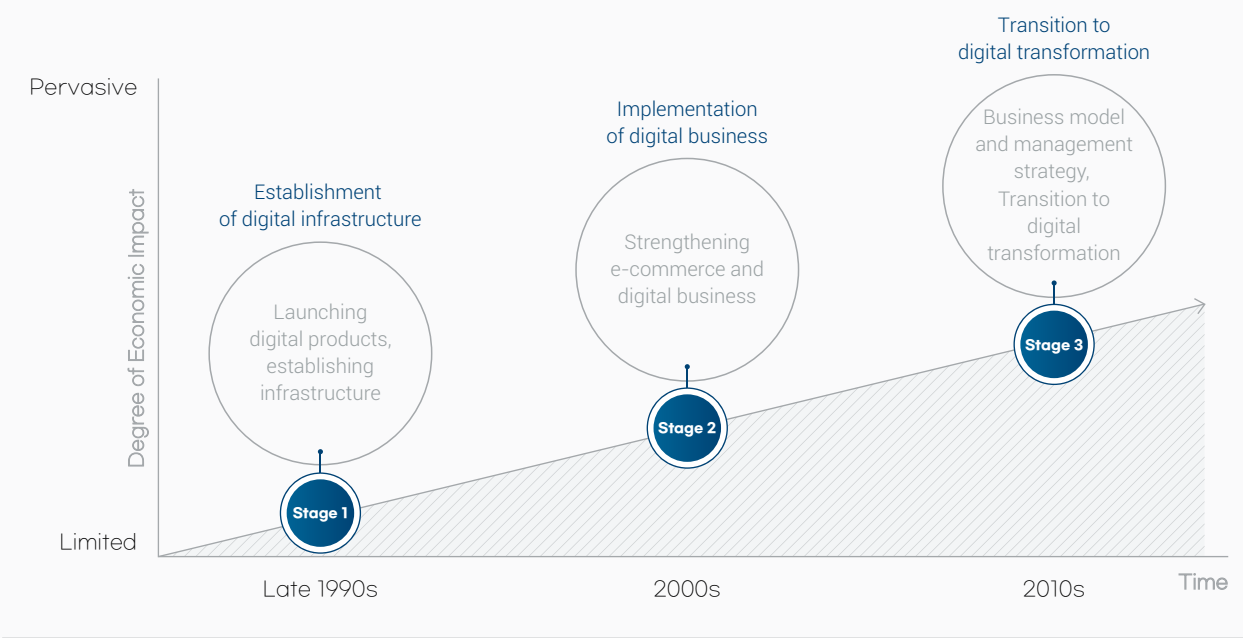
What Is Digital Transformation?

Based on digital technology and the environment, work processes, customer experience, and service and product innovation.



How Has Digital Transformation Evolved?

Evolutionary stages of Digital Transformation



“Most innovations fail. And Companies that don’t innovate die.”
- Henry Chesbrough -

Digital Transformation Amid Fierce Competition

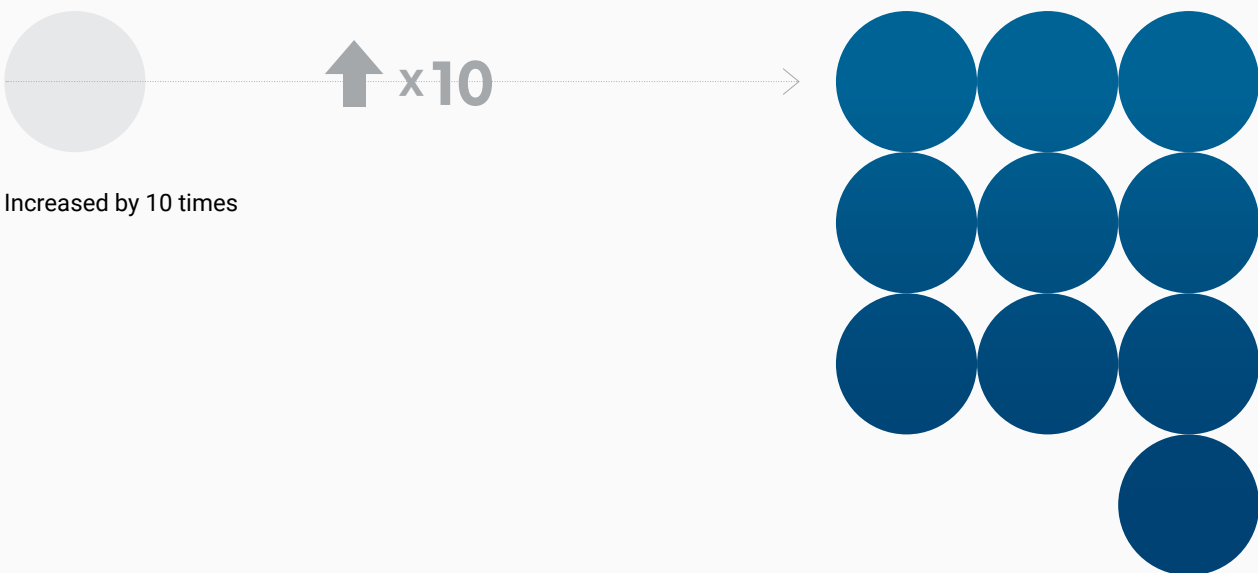
Digital transformation has become an essential strategy for sustainable growth of a company beyond survival.

Average life span of companies



Average of 18 years, reduced by three times

The emergence of new companies



Increased by 10 times

Start Your Digital Journey with MegazoneCloud Today!

‘Cloud’ platform is essential to utilizing and adopting digital transformation.
From digital technology to digital business, MEGAZONECLOUD has all the components needed for companies to implement digital transformation .
Start your digital journey with the best digital specialist in Korea.



1

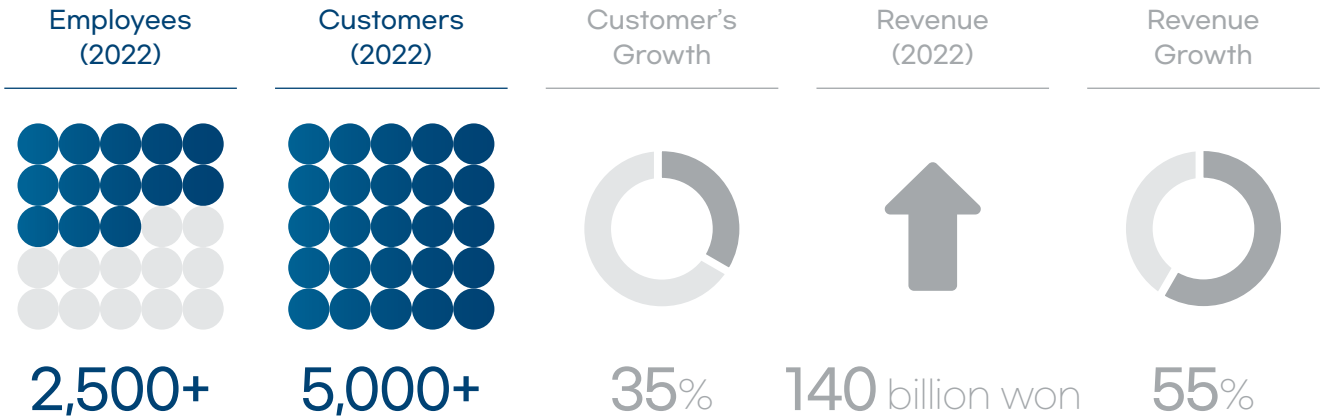
MEGAZONECLOUD

About MEGAZONECLOUD
MEGAZONECLOUD Global Offices
MEGAZONECLOUD History

About MEGAZONECLOUD

MEGAZONE CLOUD

MEGAZONECLOUD has grown to become the leading AWS Premier Tier Services Partner in Asia based on its cloud building and operation service capabilities for over 5,000 customers in the past decade and partnerships with over 100 global tech companies, including AWS. MEGAZONECLOUD provides consulting and technical solutions for enterprise customers from cloud adoption to digital transformation. In addition, MEGAZONECLOUD offers various solutions such as media, DevOps, big data, AI and ML, and security. Based on the KRW 450 billion series C investment raised in 2022, MEGAZONECLOUD is helping enterprise customers achieve successful digital transformation and optimization beyond digital technology through digital business and data services.



MEGAZONECLOUD Global Offices

Global Offices

MEGAZONECLOUD is continuously expanding its business to other countries based on experiences and customers in Korea and Asia markets.



Company introduction video



MEGAZONECLOUD History

Since 1998



2

MEGAZONECLOUD OFFERS

MEGAZONECLOUD Business & Offerings

Infrastructure

Platform

Application

Data

Security

Education

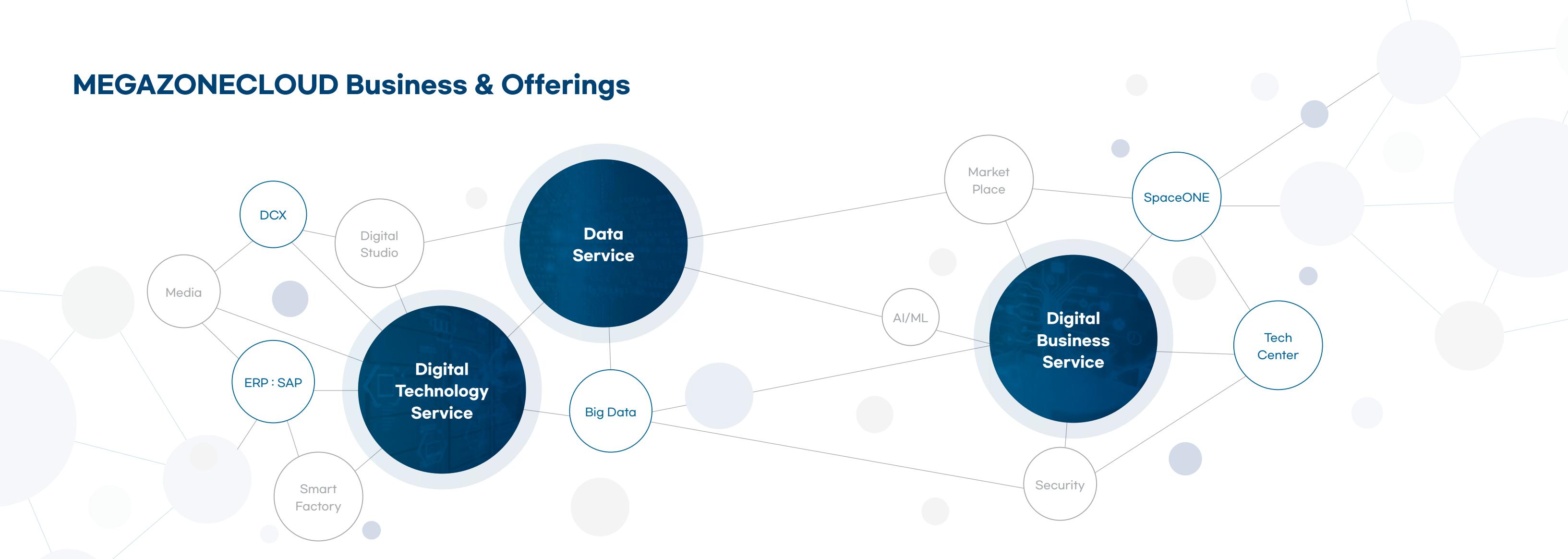
Hyper Solution

Matilda AI Platform

Digital Studio

Partner Offering

MEGAZONECLOUD Business & Offerings



MEGAZONECLOUD provides with a wide range of offerings, including cloud consulting, deployment, and operations management for digital business.

Infrastructure

Optimized infrastructure for digital transformation

- Managed Service
- Mass Migration Service
- Cloud Security Solutions & Services
- Strategic Cloud Security Transformation
- Hybrix
- Hyper Solution
- DMZ Cloud Stack/VMC on AWS
- Cisco Meraki
- Graphcore/SQream

Infrastructure

Optimized infrastructure for digital transformation

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- Hyper Solution
- DMZ Cloud Stack/VMC on AWS
- Cisco Meraki
- Graphcore/SQream

Application

Business application for a prompt digital business decision making and management

- SAP on Cloud
- Salesforce/Zendesk : Mega CX

Data

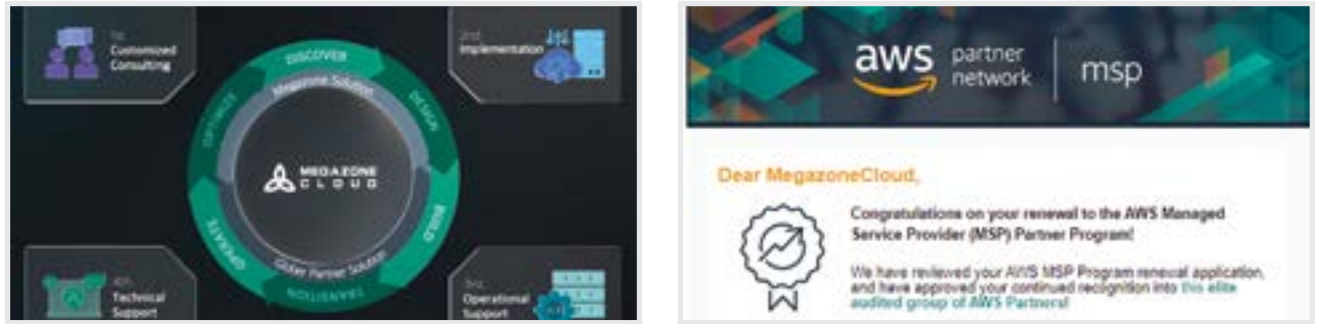
Establishing data platform for greater data value

- Data Business Service
- Snowflake/Databricks

Managed Service

> Infrastructure

MEGAZONECLOUD offers a customized total services in all areas of cloud based on its deep understanding and rich experience in cloud as Digital Architects. MEGAZONECLOUD's technology, operation management and security areas are verified by AWS every year and a trusted Managed Service Provider (MSP).



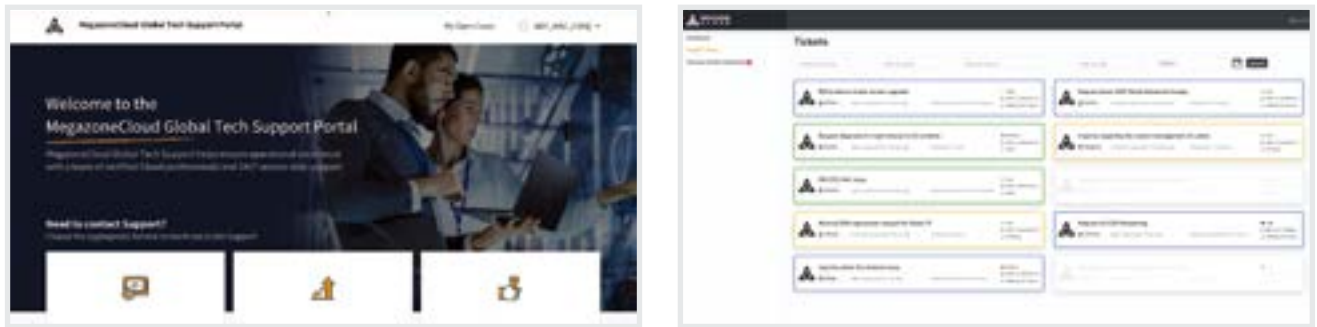
Cloud Operation Center

To provide stable operational services, we have established a Cloud Operation Center and a Managed Cloud Security Operation Center consists of specialized monitoring personnel and security experts, operating systematic operational processes and 24/7/365 managed services.

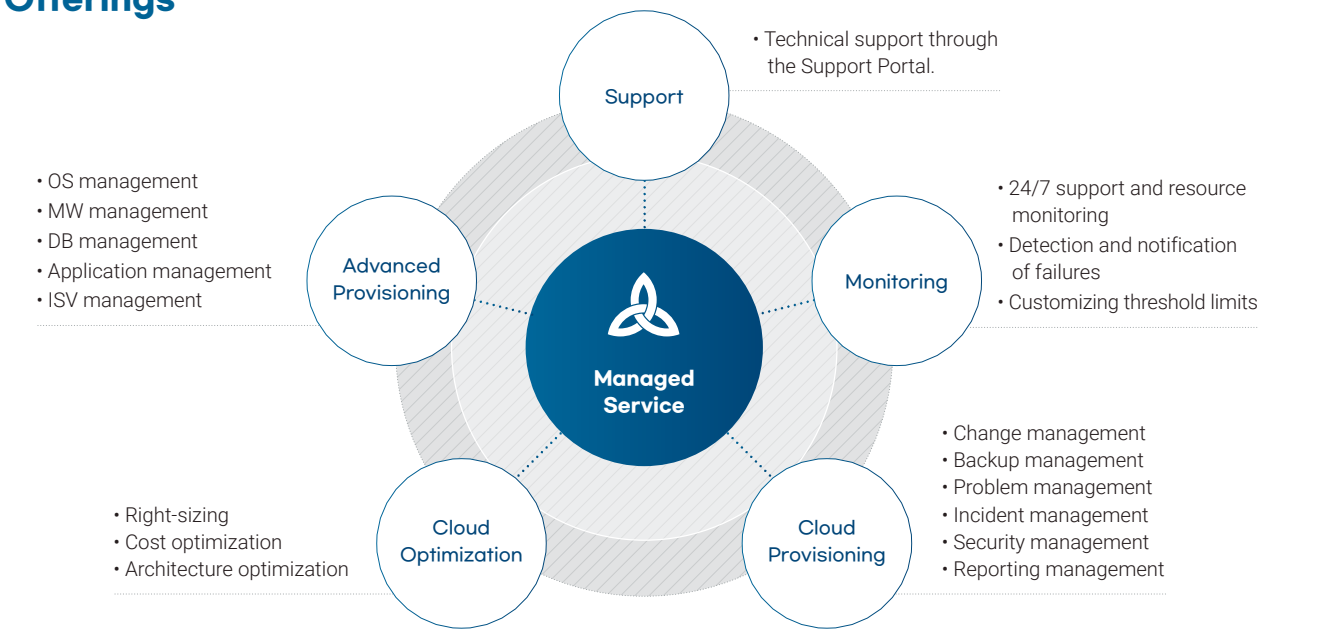


Tech Support Portal

MEGAZONECLOUD has been operating a Korean-language based Support Portal certified by AWS since 2015 and is committed to resolving customer inquiries rapidly.

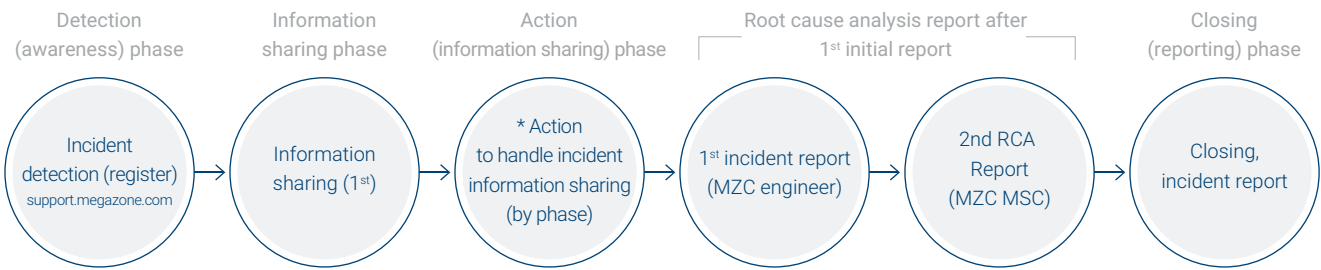


Managed Service Offerings

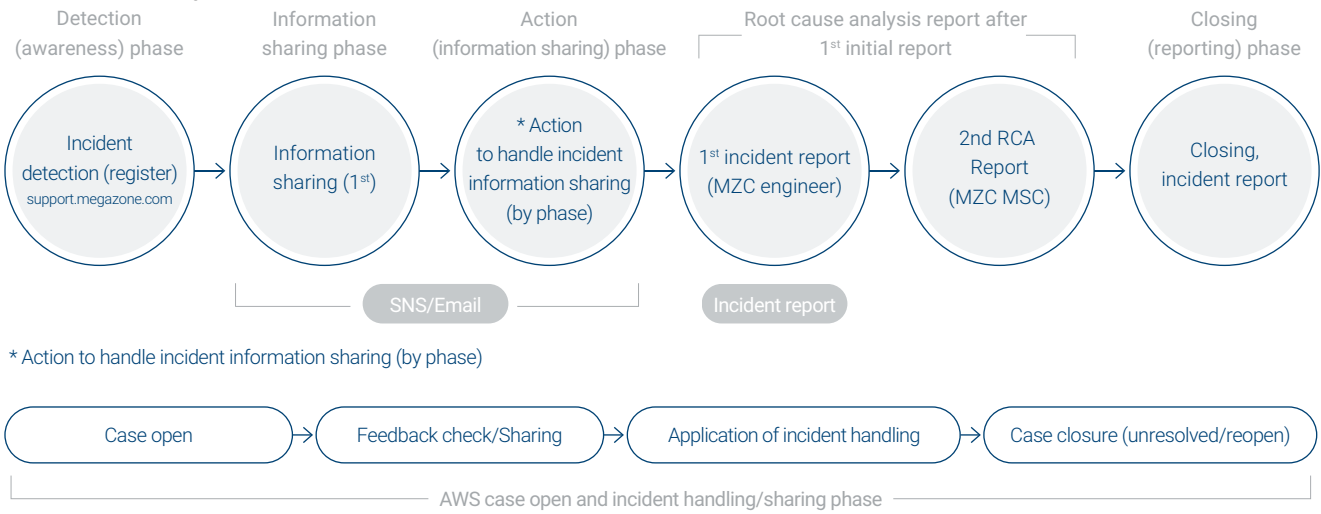


Managed Service Process

Preparation process



Incident handling process



Mass Migration Service

End-to-end specialized services for successful migration.

> Infrastructure



Customer Challenges



Need for platform and application



Need for comparative analysis of operating costs



Difficulty with migration and downtime

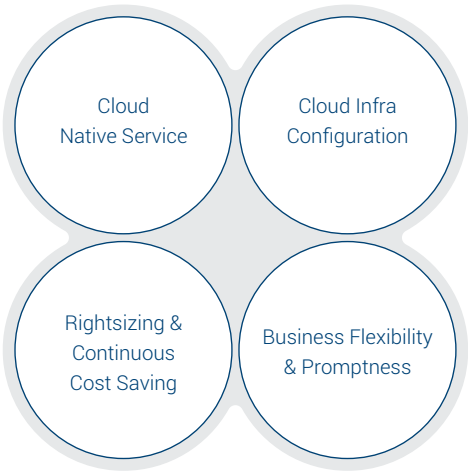


Need for organization and utilization strategies for operations

What We Offer

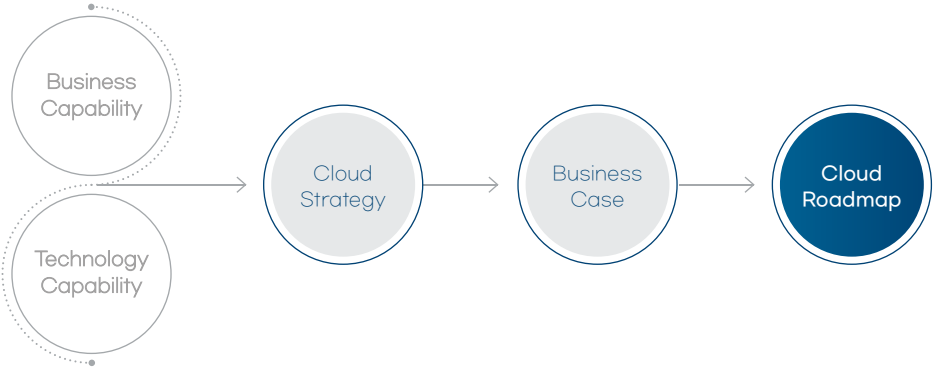
Cloud optimization with migration service

Discovery	Assessment & Consulting	Migration	Government & Operation
Establishing a cloud strategy tailored to customer's business strategy and model	Automation tools enable efficient and accurate discovery and diagnosis	Implementing cloud migration stably and rapidly based on verified methodologies	Providing an integrated transition to cloud service covering organization and operation in addition to transition of infrastructure to cloud



Key Features

Companies face challenges trying to migrate various IT environments (on-premise/hybrid/multi-cloud) to cloud from a business and technology perspective. MegazoneCloud Mass Migration Service is designed to cope with those challenges based on know-how accumulated by implementing various projects. We offer professional cloud service for all areas from the establishment of strategy, diagnosis, consulting, migration, deployment, and operation based on Cloud Roadmap.



Migration Steps

1. Discovery

Exploration to start cloud journey
2. Assessment / Consulting

Analyzing environment and establishing strategies to make cloud take root

Discovery	Strategy			Cloud Journey
	Migration			
	Platform	People / Org	Gov Ops	
	Security			

3. Migration
- Establishing a cloud infrastructure

Discovery	Strategy			Cloud Journey
	Migration			
	Platform	People / Org	Gov Ops	
	Security			

4. Operation
- Continuous maintenance and management of cloud system

Discovery	Strategy			Cloud Journey
	Migration			
	Platform	People / Org	Gov Ops	
	Security			

SpaceONE

The Only Cloud Management Platform

> Platform

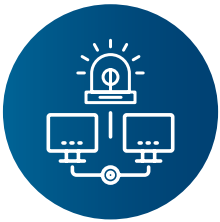
Integrated multi-cloud management platform



Customer Challenges



Multiple cloud accounts



Overload of incident notifications



Excessive cost expenditure



Complex resource management

What We Offer

Operation is optimized by managing cloud resources in an integrated manner.

Integrate Multi-cloud Accounts	Manage Cloud Expense	Improve Operation Efficiency
Integrated management of multiple cloud accounts	Cost optimization through detailed analysis of multi-cloud costs and identification of unused resources	Systematic management of incident events occurring in various monitoring solutions.

Key Features

SpaceONE provides everything you need for cloud management: productivity, scalability, efficiency, and comprehensive security essential to managing IT infrastructure.

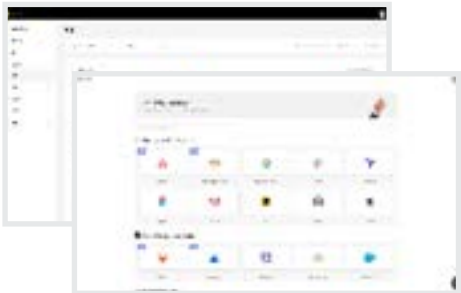
Asset Inventory	Cost Analysis	Alert Manager	Users and Authority Access Authority Management
- Automatic collection of multi-cloud resources and query-based resource search. - Real-time integration and management of SpaceONE resource usage data, including change history management.	- Detailed cost breakdown by specific groups - Systematic cost management through customized dashboard-based data visualization and budget setting	- Standardization of external notifications related to incidents and automation of notifications. - Management of incident handlers and workflows	- Providing login options through various external authentication methods, including local accounts - Control system for granular access rights based on roles and detailed API policies

Megazone PoPs

Make enterprises run better with SaaS

> Platform

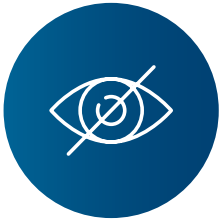
Integrated platform for SaaS operations and management



Customer Challenges



Increasing account management elements



Limited visibility



Waste of costs



Security vulnerabilities caused by the increase of Shadow IT.

What We Offer

We provide a service that enables easy centralized management and utilization of SaaS usage by employees.

Easy and convenient centralized management	All at once with SSO	Increasing productivity	Securely and reliably
Centralized management for easy operation and control of user management, app addition, authorization, and license verification.	Log in to all SaaS with a single account instead of different accounts for each app	Save time and procedures required from application to approval for SaaS usee	Apply security policies that the organization needs to comply with, and enable all employees to use them safely.

Key Features

Management and operation of SaaS are possible through visibility, automation, and optimization.

Single Sign On	User Provisioning	SaaS Assignment Process	Visibility & Control	Cost Optimization
Use all SaaS with a single account and a single login	Centralized management of automatic creation and revocation of SaaS accounts	Employees request for SaaS usage according to the established application process	Visual confirmation and control SaaS usage status	Cost savings and optimization by preventing waste, such as double billing and overlapping usage.

CloudPlex Media

> Platform

Fully Managed, Serverless Video Service Platform on AWS

All-in-one online video service platform



Customer Challenges



Time to Market
Need to establish a new service quickly



CAPEX/OPEX
Need to reduce the costs of building and operating



IT Media Expertise
Need expertise in IT media



Business Agility
Need strategic business adoption

What We Offer

We provide media service optimized for customer's business.

Cloud Native	Scalability	Flexibility	Streamlined Process
- Minimizing resources for operation and management - Realizing business without technical barriers	- Gradual scalability - Continuous support for additional service models	- Flexible selection of applicable scope - Flexible business interface	- Optimized workflows - Service operation based on business policies.

Key Features

Continuous addition and upgrade of core media services that fit the market trends and business plans.

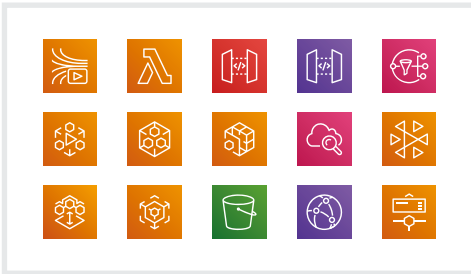
VOD	Live	Interactive Live	AI Based CMS	Audience Measurement
Providing on-demand video service optimized for various platfor	Providing Live service by arranging video schedule at a desired time	Providing participatory services through various interactions and video meetings	AI-based analysis of media information can be applied to services	Possible to collect, analyze and utilize media viewing and participation data freely

CloudPlex Media Service

> Platform

Professional Services for Cloud Media Service

Cloud-native modular media services.



Customer Challenges



Increased use of media and lack of diversity due to non-face-to-face contact



The need for utilizing media services in a cloud environment



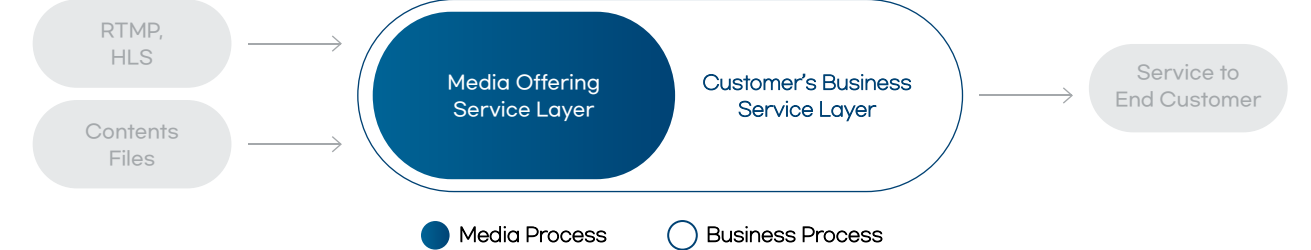
The need for architecture configuration for fast media businesses.



Demand for a global service-oriented media business model

What We Offer

Live streaming, VOD FileLive service / 4K~8K UHD high resolution service / Optimized architecture and functional level API / Media consulting, architecture, training



Key Features

Configuration of customer-specific media workloads using AWS media services

One-time Provisioning	Architect Optimization	Serverless Pipeline
Shortened configuration period with managed media services	Optimized Media configuration for cloud-based user environment	Stable media environment with serverless structure using AWS service

CloudPlex Delivery

> Platform

Multi-CDN
Orchestration Platform

Platform for easy multi-CDN management



Customer Challenges



Cost savings and strategic usage with a need for diverse pricing option



Need for service stability.



Need for expanding global services.



Need for service infrastructure scalability

What We Offer

Our platform offers the ability to manage and operate Multi-CDN providers' routing policies, content management, purge, and integrated real-time performance metrics all at once



Integrated provisioning	Centralized management points	Integrated monitoring
- Integration with various CDN providers - Unified management of projects/users' permissions - Support for weight/region-based routing policies	- Seamless distribution - Prevention of single points of failure (SPOF) - Minimization of service impact - Increased service operation stability	Real-time integrated CDN metrics.

Key Features

CloudPlex Delivery strives to achieve continuous growth in the enterprise and market by responding quickly to the CDN business environment and providing customers with various advantages through Multi-CDN.

Advanced Routing Policy	Centralized Management Console	Real-Time Metrics	Origin Storage Management	Local CDN Provider Support
- Weight - Simple - GeoLocation	Integrated webbased operational management console	Real-time traffic and service quality monitoring	Content management and support for Purge and Compare based on origin	- Support for custom CDN - Support for integrated local CDN

CloudPlex Delivery Service

> Platform

Professional Services for
CloudPlex Delivery & Multi-CDN

Consulting and configuration services for Multi-CDN solution deployment.



Customer Challenges



Need for expertise in CDN technology, which is a specialized field



Need to consider the technical specifics of each CDN product



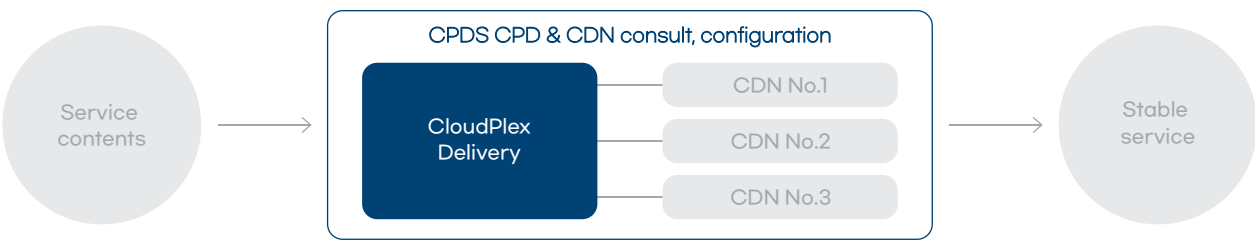
Need for design that takes into account global coverage



Need for stable and optimized CDN configuration.

What We Offer

We provide optimized CDN configuration consultation and Multi-CDN configuration based on CloudPlex Delivery, tailored to the customer's needs, leveraging our expertise and experience in various CDN services



By configuring Multi-CDN, the following advantages can be obtained.
We provide CPDS analysis and construction to ensure that Multi-CDN reflects the customer's needs.

Specialist of CDN	Fast Implementation	Education
- Dedicated team of experts - Consulting for optimal architecture - Suggesting Multi-CDN directions	- Accurate technical configuration - Minimal service impact - Increased service stability	- Technical education - Technical support portal

Key Features

CloudPlex Delivery provides multi-CDN services, and CPDS is a Professional Service based on CPD that provides the following key services required for the application and use of various CDNs

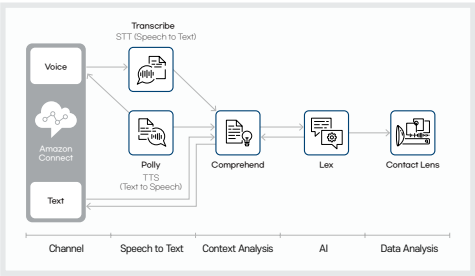
Stable delivery	Increase coverage	Cost efficiency
Provides service redundancy by using two or more CDNs	Improves global service quality by using a combination of CDNs with strengths in different regions	Effectively utilizes CDNs with different unit prices depending on the service content

Cloud Contact Center

> Platform

Deliver New Customer Experience

Amazon Connect-based omni channel contact center service



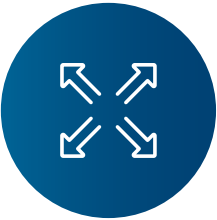
Customer Challenges



Need for a 100% cloud-based contact center



Need to save on establishment and operating costs



Difficulty in forecasting system scale



Need for expertise in contact center operation

What We Offer

We provide a new omnichannel customer experience with 100% cloud-based contact center.

CX(customer experience) Consulting	Contact Center as a Service Optimization	Managed Service
- Optimization solution consulting on customer experience - Analyzing specific requirements and designing architecture	- Intergration CRM such as Salesforce, Zendesk - Offering optimized solution as it can be interfaced with various Eco-Systems	- Billing Intergration (KRW) - Minimizing operation and management resources by providing support from expert group

Key Features

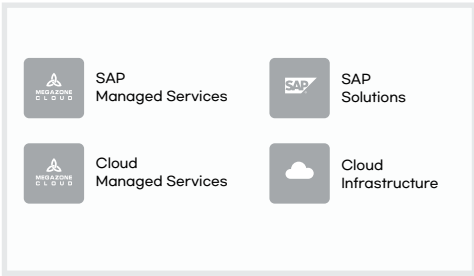
Scalability through Connect	AI Counseling with Module Structure	Consistent Customer Experience of Various Channels	Contact Lens Dashboard
Easy to add-on new services by combining AWS solutions with various ecosystems such as CRM, WFO and WFM	Automating interaction with customers and providing improved customer experience by converting voice and text with Amazon Lex and through natural language processing	Applying the same scenario to IVR (Voice) and chatbot (Text) via Contact Flow	- Possible to identify problems by analyzing customer sentiment and conversation characteristics - Improving service quality through counselor coaching and training based on analysis result

SAP on Cloud

> Application

Migration & Implemented ERP on Cloud

Cloud ERP for the innovative intelligent company



Customer Challenges



Need for innovation with cloud-based S/4HANA



Fast construction of applications and infrastructure for the cloud



Need for optimization of construction and operation services



Need for business data management.

What We Offer

We offer total service from the establishment to the operation of SAP system optimized for all Korea and overseas cloud environments.

SAP on Cloud Consulting	Implementation & Migration	Application & Managed Service for SAP
- Cloud consulting for cloud migration - Optimal SAP strategy consulting - Flexible landscape - Flexible response to business growth - SAP business consulting	- SAP PCE cloud build - SAP native on cloud migration - SAP HA/DR construction and disaster recovery response - SAP Cloud Service new technology build - SAP on cloud technical support	- Application & infrastructure operation support that can respond immediately to the SAP system - Support from verified SAP on AWS experts - Cost efficiency for IT operations - Ensuring security visibility against threats

Key Benefits

MEGAZONECLOUD supports customers' business growth and innovation through Cloud Transformation based on the experience and technology of SAP on Cloud.

SAP LoB Solutions	SAP-Certified Solutions	Cloud Service for SAP
- SAP BTP, SAC project expansion - SAP DRC, Concur, Successfactors, Ariba linked project support - Optimal LoB Solution support for SAP Workload	- Data archiving and cleansing for SAP data quality - Data Migration and Consolidation for Business Unit ERP Separation - Data encryption and de-identification for personal information security	- SAP Cloud Native Service utilization - SAP Cloud Backint Service - AWS Launch Wizard, QuickStart Deploy

Data Business Service

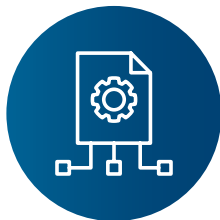
> Data

The First Step For The Digital Transformation

Cloud based data consulting, establishment and management at once



Customer Challenges



Need to establish big data architecture/governance strategy



Need to build a big data platform



Difficulty in internalizing and advancing technology analysis



Need for advanced data analysis (AI/ML)

What We Offer

We offer consulting services for establishing cloud-based data strategy, modern data architecture, and data governance, as well as providing services for the establishment, management, and operation of cloud data analysis platforms according to the strategy.

Data Strategy Establishment	Big Data Platform Build	Data Analysis Service	AI/ML Analysis Service	Operation and Education Service
• Data strategy establishment during DT strategy establishment process • Establishment of data analysis architecture and big data architecture • Data governance consulting • Strategy establishment for cloud data migration	• Building a big data platform based on Data Lake • Building a cloud-native Data Pipeline • Building a data portal for analysis self-service • Building a Customer Data Platform (CDP)	• Building a DW and DM based on Data Lake • Building Business Intelligence • Building a serverless data analysis environment • Snowflake for Data Lake • Building Databricks Data Lakehouse	• Building an AutoML/ MLOps environment • Building an advanced analytics environment based on SageMaker/ Databricks/Dataiku • Developing custom AI/ML models and applications for customers	• Operating services for Data Lake and analysis platforms • Operating Data Science Academy for CDS nurturing • Education for on-site analysis technology internalization

Key Benefits

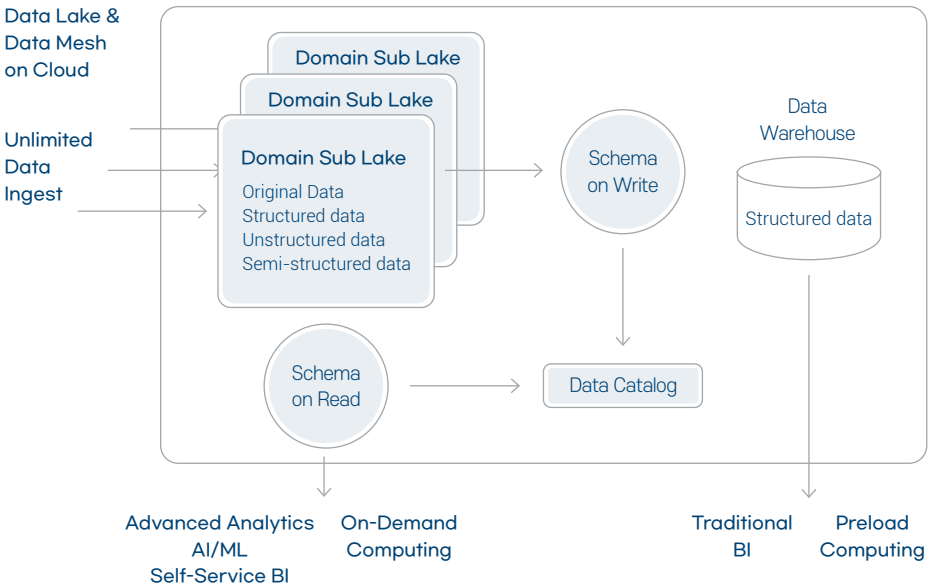
By transitioning from an on-premise-based analytics environment to a cloud-based big data platform using the latest technology, MEGAZONECLOUD maximizes the utilization of a company's data assets and accelerates digital transformation.

Unlimited Data Storage	Agile Data Analysis	Cutting-Edge Analytics Technology	Cost-Effective Analytics	Maximizing Analyst Capabilities
• A Data Lake separated from computing • 99.99999999% availability • Store all of your company's data	• Immediately use the data stored in the Data Lake as needed (Data Catalog) • Achieve fail-fast for data analysis	• Immediately leverage the latest trends in analytics technology • No need to size analysis resources thanks to serverless analysis services	• Pay only for what you use for analytics services • Take advantage of cloud benefits such as autoscale and concurrency control	• Collaborate and educate with MEGAZONECLOUD's Data Business Center, which has various analytics experience.

Bigdata Analysis Platform Deploy Process

Diagnosis of preceding issues and To-be architecture for transition to big data platform serve as the guideline for task selection, specification and establishment project. Phased approach is adopted to establish a big data platform successfully.

Data Analytics New Paradigm



Data Business Service Offering

3ARC	DataLake123	Any2R	CubeAI
• Consulting service that utilizes MEGAZONECLOUD's unique cloud data platform build methodology • Experience-based methodology that optimizes AWS cloud build methodology for data analysis environments • Utilized for building cloud data platform strategy and data governance strategy • Basis of the Data Business Service Offering	• Service that builds AWS Data Lake products and services based on the concept of Data Lake • Implements integrated storage → analysis sandbox → analytic self-service implementation	• Service that quickly migrates existing On-Premise DW systems to AWS Data Lake-based DW • Uses Amazon Redshift, a column-based parallel processing DBMS • Migrates DWs based on analysis-specific DBMS such as Teradata, Oracle (Exadata), and Netezza to AWS.	• Customized AI/ML model development and data analysis service for customers
	Lakehouse	Any2Snow	CubeAI on Databricks
	• Building Databricks Delta Lake and DW • Setting up Databricks Data Sharing environment	• A service for swiftly migrating an existing On-Premise DW system to Snowflake DW. • Migration to Snowflake, a cloud-based analysis-specific DBMS. • Migration of DW based on analysis-specific DBMS such as Teradata, Oracle (Exadata), and Netezza to Snowflake.	• Advanced Analytics Service using Databricks SPARK
			CubeAI on Dataiku
			• Advanced Analytics services utilizing Dataiku.
			CubeAI on TigerGraph
			• Support services for graph schema modeling and graph algorithm development.

Cloud Security Solutions & Services

> Security

Customized security solutions and services are offered through security experts with expertise in multi-cloud environments and SECaaS strategies



Security Philosophy Evolution



Customer Challenges

The environments of DevOps, MicroService Architecture (MSA), Work From Anywhere (WFA), and SaaS Application Modernization demand changes in cloud security solutions and services.

On-Premise Security	Cloud Security Framework
Security management centered around policies	Cloud security management complying with governance
Operating environment focused on perimeter protection	Full-stack security operating environment for North-South (internal-external) and East-West (application-to-application) security
Basic security solutions: Firewall, VPN, IPS/IDS, etc.	Basic security solutions: CNAPP, IAM/SSE, WAAP, etc.

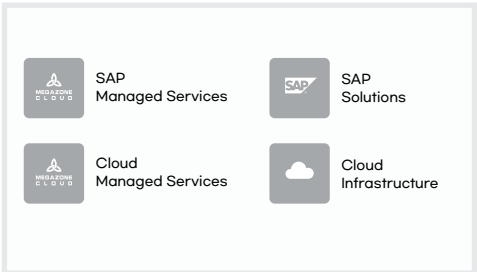
Best Practice

Strategic cloud migration requires an integrated approach of professional security consulting, stable security solution onboarding, and comprehensive managed security monitoring services.



Strategic Cloud Security Transformation

> Security



MSSP-as-a-MSP Approach

Step 1. Security Governance Consulting & Assessment

Information protection management system consulting	Web, Mobile, Email, Cloud Vulnerability Assessment
- Customized consulting for customer environment : ISMS, ISO 27001, ITGC, etc. - Annual personal information protection advisory - ISO certification audit personnel training - Information protection management system operation services	- Web domain vulnerability diagnosis service - Mobile application vulnerability diagnosis service - Malicious email simulation training service - Cloud security configuration management diagnosis service

Step 2. SECaaS(Security-as-a-Service) Onboarding

SECaaS Solutions Framework - Core Category			
CNAPP/CSPM/CWPP/CIEM	IAM / PAM/IdP	SSE / ZTNA	WAAP
SECaaS Solutions Framework - Enhanced Category			
Data Security & Governance	Cyber Threat Intelligence	Application Security	Email Security /Ransomware Reversal

Step 3. Managed Cloud Security Operation Center

- 365 x 24 x 7 security monitoring, CERT
- Security solution operation, security monitoring planning, monitoring platform development
- Providing optimized monitoring services with a responsibility sharing model
- Providing security threat event analysis reports, security advisory, and security monitoring result reports
- Integrated billing with MSP is possible.

Key Benefits

From verifying security requirements and solutions to operating and monitoring services after adoption, we work with the best partners both domestically and internationally.

Ranked 1st in domestic Cloud MSP	Proposal of security solutions tailored to the business	Providing a complete security framework
- Possessing the most experience in domestic cloud operation - Holding a variety of business cases - Supporting global services using cloud environments - Supporting service implementation in various environments from gaming companies to enterprises	- Holding the largest domestic and foreign security partners - Proposal of security solutions (including 3rd party) tailored to customer business - Extensive partner ecosystem through overseas offices	- Providing a platform that includes Megazone cloud solution, cloud-optimized security solutions, and operating dashboard and monitoring. - Proposal of 2 weeks assessment

The first Hybrid Cloud security solution that implements Zero Trust Security



Customer Challenges



Introduction of information asset infrastructure on cloud



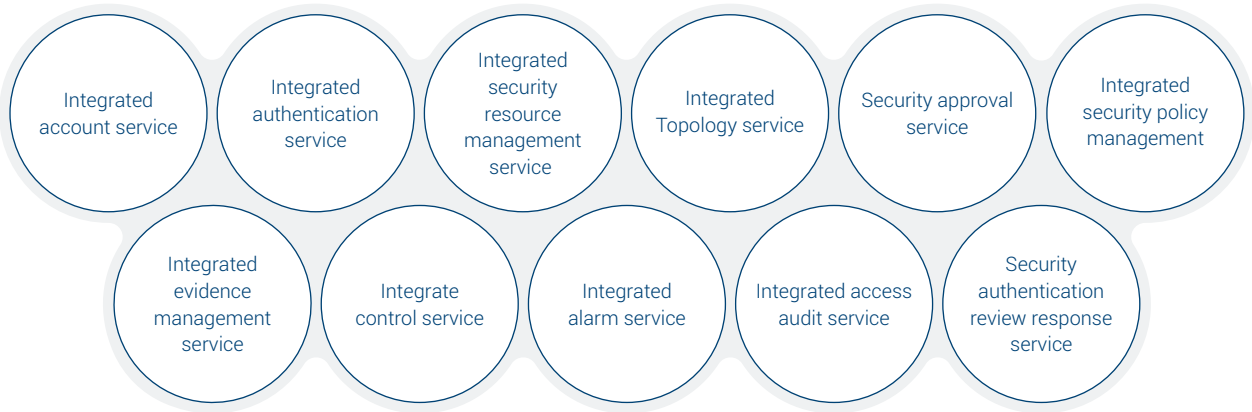
Establishing security environment without restriction on access location



Security solution introduction for environment where division of IT personnel is ambiguous

What We Offer

We provide a customized service for efficient security work of security manager through integration and automation.



Key Features

Security Architecture	Zero Trust Security Technology	Integrated Security Bastion Infrastructure by Customer
• Frontend-Backend integrated architecture. • Providing an integrated security service between users and security resources. • Providing an integrated security function for servers, databases, networks, and applications on Hybrid Cloud.	• Applying core security technology to each stage. • Block infringement even if it occurs at each stage. • Integrated security orchestration, evaluation, and diagnosis.	• Providing a security Bastion with Multi-Tenancy. • Providing integrated security services within the customer's Bastion. • Possible to add customer's security solution within the customer's Bastion and customize services.

Authorized training partner, recognized for its expertise in AWS cloud training



What We Offer



AWS certified instructor



AWS certified license



Hands-on Lab

Learning Path

Level	Solutions Architect	Developer	Operations
Foundational	· AWS Cloud Practitioner Essentials · AWS Technical Essentials		
Associate	· Architecting on AWS	· Developing on AWS	· Cloud Operations on AWS
Professional	· Advanced Architecting on AWS · Architecting on AWS Accelerator	· Advanced Developing on AWS · DevOps Engineering on AWS	
Specialty	· Security Engineering on AWS · Running Containers on Amazon Elastic Kubernetes Service(Amazon EKS) · Data Warehousing on AWS · Building Data Lakes On AWS	· Building Batch Data Analytics Solutions on AWS · Developing Serverless Solutions on AWS · Planning & Designing Databases on AWS · Building Data Analytics Solutions Using Amazon Redshift	

Key Benefits



Learning Path Guide for a systematic training



Build up Program for internalization of cloud



Deep dive Hands-on on how to utilize cloud

Hyper Solution

A solution developed by MEGAZONECLOUD with its expertise in cloud operations, aimed at improving operational efficiency in the cloud

Hyper Billing <
Hyper Checker <

Hyper Ops <
Hyper Control <

Hyper Billing

- Reflecting the unblended price policy, it is possible to send out the KRW tax invoice.
- Detailed cost management through support for multidimensional analysis tables and tags



Support for cost management through various dashboards and menus



Support for multidimensional cost analysis and filtering

Hyper Checker

- Supporting cost management through various dashboards and category
- Detailed cost management with support of multi-dimensional analysis table and tags



Network response speed status information by country and time zone



Real-time latency check through AWS region-specific ping tests

Hyper Ops

- Understanding of cost status according to various criteria such as by account and instance type.
- Understanding of usage rates of reserved instances and savings plans.
- Provision of various filtering options.



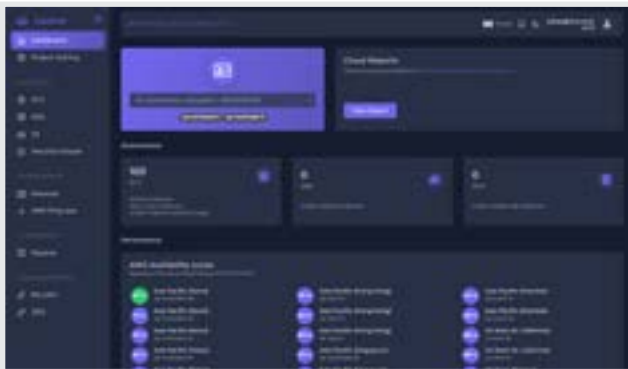
Understanding of cost status according to various criteria



Understanding of usage status for reserved instances and savings plans

Hyper Control

- Support for managing EC2 and RDS start, stop, and backup management functions (including EBS Volumes)
- Ability to control EC2 instances through centralized function management without accessing the cloud management console



Support for EC2 multi-policy settings and log checking



Support for multi-scheduling functions

Matilda AI Platform

> Matilda AI Platform

MLOps Platform for One-stop AI Development

Optimal MLOps integration platform for easy access to all



Customer Challenges



Efficient management of limited AI resources required.



Increased burden of complex AI development environment settings and difficult code work.



Burden of pipeline code work unfamiliar to AI engineers.



Difficulty in deploying internal cluster apps due to network or security issues

What We Offer

Matilda AI Platform is an MLOps integrated platform that streamlines and automates AI workloads related to machine learning deployment and operations processes. It supports AI development in a practical context by allowing developers to focus on their work and making AI development easy and efficient.

AI Integrated Development Environment (IDE) platform	AI infrastructure integrated operations management	Optimized resource utilization
- Provides development convenience tools and standard environment - Provides a user experience (UX) and user interface (UI) based integrated platform. - Offers various AI engines	- Resource integration based on a single platform - Provides on-demand resource requirements immediately - Notifies of infrastructure usage status and failure	- Utilizes flexible resources based on containers - Provides user/group resource allocation policies - Reduces complexity and optimizes costs

Key Benefits

Matilda AI Platform offers convenience by allowing AI engineers to use AI-specific processors such as GPUs and IPUs without the hassle of complicated procedures for setting up development environments. It also automates necessary tasks for MLOps pipelines, such as training, hyperparameter tuning, and inference deployment, allowing for continuous and repetitive execution.

Notebook-centered feature connection and resource scheduling	Execution environment configuration through card-based UI	Hybrid learning system	Template-based pipeline development system	Automated app deployment system
- Resolving difficulty in accessing data or features - Maximizing the number of concurrent users through resource efficiency	- Minimizing complex settings and difficult code work - Presenting the code input part in a card-based format for easy use	Overcoming the physical limitations of on-premises resources and reducing costs	- Minimizing pipeline code work unfamiliar to AI engineers - Providing templates that can be used in actual work settings	Resolving difficulties in deploying internal apps within clusters due to disconnected networks or security issues

Digital Studio

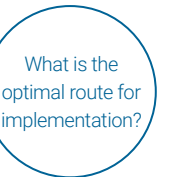
> Digital Studio

Innovative Customer Engagement Framework

New approach that provides the latest consulting practice through radical collaboration and workshops

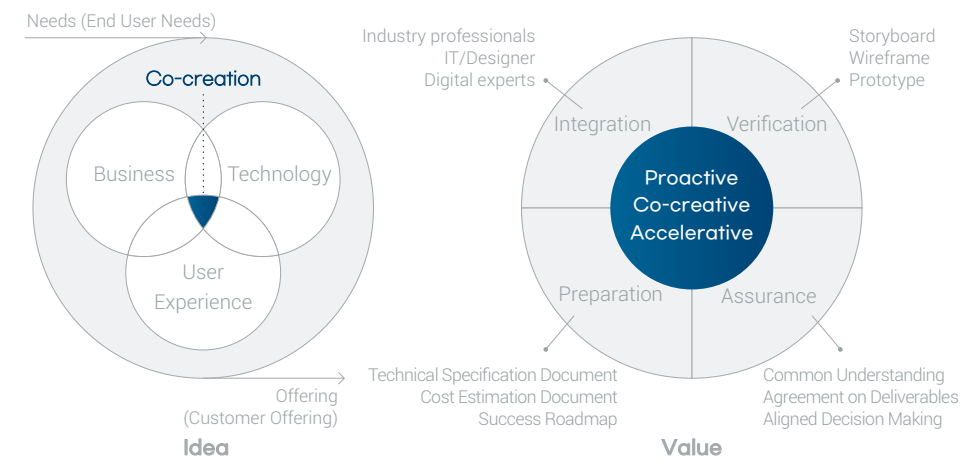


Customer Challenges

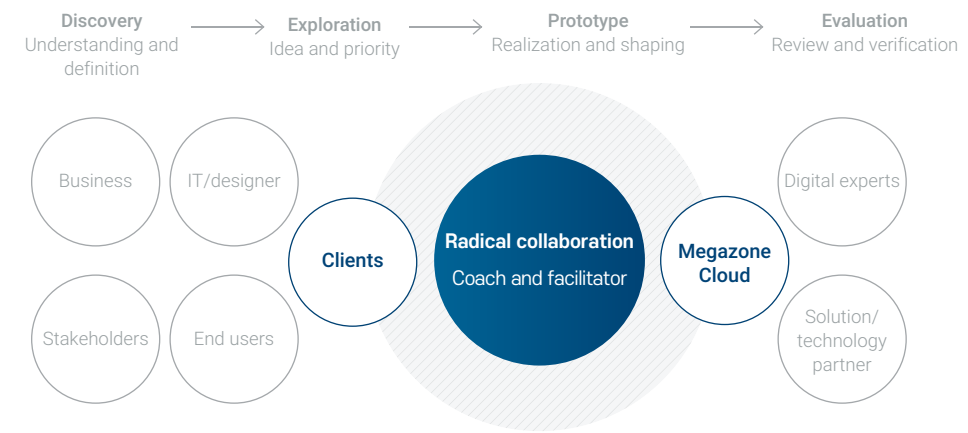


What We Offer

We provide modern consulting practice that connects user needs to the application of digital technologies for a rapid and practical customer service planning and innovation based on business and user experience.



Approach



Partner Offering

Snowflake <
Databricks <

DMZ Cloud Stack <
VMware Cloud on AWS <

MEGAZONECLOUD provides consulting and helps operation of Global No.1 partner company’s solutions

Snowflake

Snowflake provides a single platform that supports everything that can be done with data, from collection, storage, processing, to real-time sharing. Through this platform, structured, semistructured, and unstructured data can be integrated, analyzed, and shared, and a variety of data workloads can be executed.

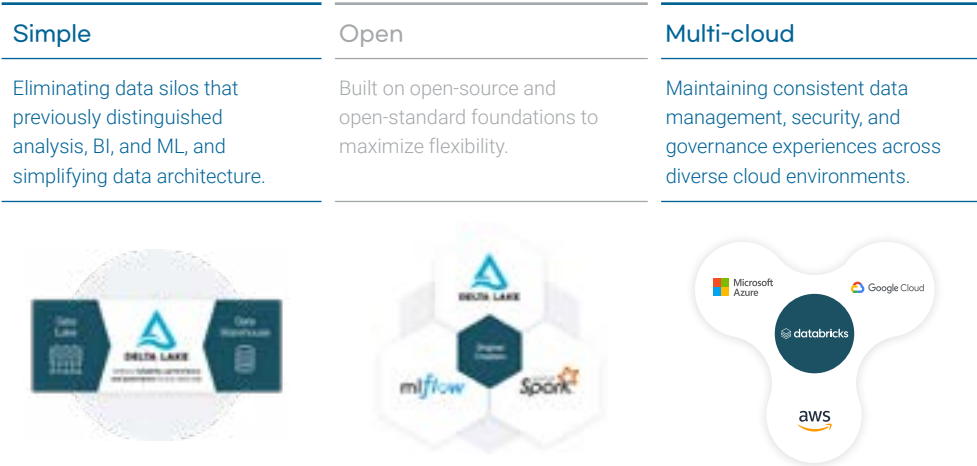


Benefit

Snowflake provides a single platform that supports the data cloud, requiring minimal maintenance, and protects personal information through robust data governance.

Databricks

Databricks provides a "Lakehouse Platform" that integrates data warehousing and AI use cases into a single platform. This platform combines the advantages of data lakes and data warehouses, providing the stability, strong governance, and performance of a data warehouse while supporting the openness, flexibility, and machine learning capabilities of a data lake.



Benefit

Databricks integrates data warehousing and data lakes into a single platform to handle all data, analytics, and AI use cases, supporting diverse analysis workloads and machine learning workloads.

DMZ Cloud Stack

It is an all-in-one cloud platform that includes both hardware and cloud operating software, and fully supports not only virtual machines but also containers. In addition, the cloud service without change in the operating environment is provided with the managed service in MEGAZONECLOUD through immediate expansion to hybrid/multi-cloud.

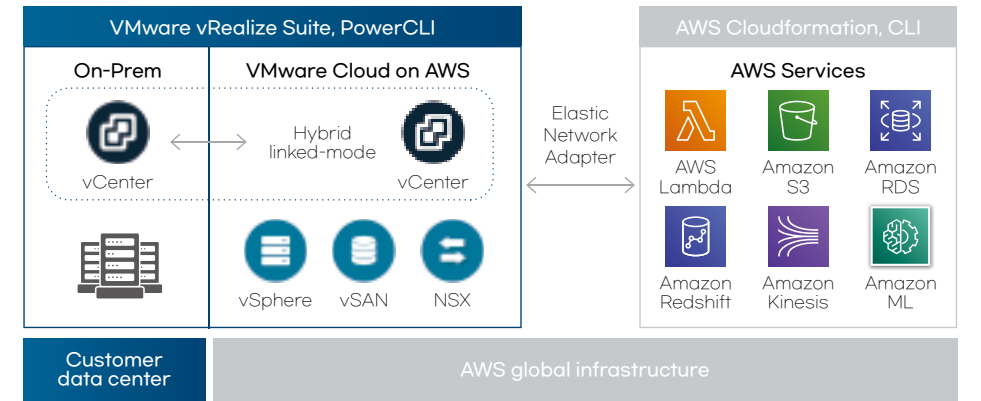
IT Infrastructure as a Service	Cloud Native Infrastructure	All-in-One Cloud Platform	Verified Architecture & Managed Service
- Subscription-based service, which is as a service form not the purchase of IT asset - Rack Scale architecture that integrates server/storage and network - Immediate scaling up to VMware Cloud on AWS	- Managing not only virtual machine but also K8S-based containers - Perfect integration with VMware Tanzu and service optimization - Providing environment, consulting and ecosystem for DevOps	- Integrated configuration of H/W and cloud software - Immediate scaling up of data center through Scale-Out - Cloud configuration by various workload such as VDI	- Guaranteeing compatibility with pre-verified architecture, VMware cloud, VMware Cloud on AWS - Consulting service by MEGAZONECLOUD's experts - Integrated management from introduction, service migration and operation

Benefit

Export support for analysis/design, migration and operation	Reducing financial risk with IT operating expense (OPEX)	All-in-One platform from private to hybrid cloud	Integrated platform from virtual machine (IaaS) to container(PaaS)
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VMware Cloud on AWS

Using VMware Cloud on AWS, VMware vSphere-based environment can be expanded to Amazon EC2(Amazon Elastic Compute Cloud) Bare-metal infrastructure with safety and agility, and migrated to AWS Cloud rapidly, enabling to implement services for major applications that require high performance, stability, security and innovation.



Benefit

It is possible to manage on premise VMware SDDC resources and VMware Cloud on AWS resources in the same operating environment at the same time and it is possible to implement innovative hybrid cloud to create business values rapidly for companies.

Salesforce

We provide multi-cloud consulting and reselling services, as well as operational management services that are differentiated up to the sales, marketing, and customer support areas, based on a Professional Services organization that offers optimized implementation of the Global No.1 CRM platform Salesforce to meet the needs of customers, as well as a Managed Services organization that specializes in maintenance.



Starting innovative sales activities from prompt identification of potential customers and concluding deals using Sales Cloud



Starting automated digital marketing by identifying consumers and providing customized service using Marketing Cloud



Providing comprehensive and consistent customer experience by strengthening customer relationship and satisfaction and interfacing with various channels using Service Cloud

Benefit

Our ability to handle multiple cloud platforms is based on our extensive experience in both building and maintaining them.	Scaling up easily in line with business growth	Efficient sales with Lightning Platform	More productive and mobile friendly business
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Zendesk : Mega CX

Don't worry about anything other than counseling. A surprisingly simple and powerful customer management solution, Zendesk provides optimized services based on the experience of building over 50 brands from deployment to operation.



Managing all inquires with tickets and classifying them at the counseling organization level



Addressing customer request efficiently by using various functions of the ticket



Increasing customer service satisfaction with customizable report and analysis function

Benefit

Easy and fast onboarding	Customized customer experience	Professional operations team
Start consulting with us right away without worrying about complex settings. We will quickly prepare MEGAZONECLOUD for you.	MEGAZONECLOUD design customer touchpoints on any channel or moment when customers first encounter our company to create a modern and comfortable experience that satisfies them.	MEGAZONECLOUD's CX experts take care of the solution operations so that you can focus solely on conversing with your customers without worrying about anything else.

Cisco Meraki

An easy and powerful cloud-managed network solution for everyone
Cisco Meraki is the largest cloud networking service in the industry, powering networks worldwide with hundreds of thousands of connections. MEGAZONECLOUD provide cloud-managed IT solutions that can be easily built to fit a variety of business environments and visions through our integrated dashboard, high visibility, and additional features that are provided free of charge.

Meraki Full Stack



- Cost savings
- Easy management
- High security

 MX Security appliance & SD-WAN	 MS Switches	 MR Wireless LAN	 SM MDM
 MT IoT sensors	 MV Smart cameras	 MG Cellular gateways	 MI App Insights

Benefit

All Meraki product lines can be configured, monitored, managed, and reported on with just a few clicks through a single integrated dashboard.

Intuitive dashboard	Guaranteed future investment	High reliability	Unlimited scalability
Manage and monitor from any environment using a web browser or mobile app.	Continuous automatic updates with new features supported.	Normal network operations continue even when disconnected from the Meraki management portal.	Easily scalable to accommodate thousands/millions of endpoints and locations.

Graphcore

IPU, An Optimal Platform for Machine Intelligence

Graphcore's IPU is very flexible in terms of learning and analysis of machine learning model and easy to use. It offers an all-in-one solution, from AI-only hardware optimized for machine intelligence to software stacks that can be developed in optimized environments.



Various Platform Environment Capable of Scale-out Considering even in HPC Environment

It is possible to configure a rack-type by stacking a number of IPU machine units from single server type. It can be expanded to AI HPC that can process large-volume machine intelligence workload, enabling flexible response to various development and service environment.

Matilda Lab, MEGAZONECLOUD's AI Research Lab

Matilda Lab is a group in charge of researching IPU-based AI computing, AI data modeling and future AI architecture in MEGAZONECLOUD. It provides professional AI services such as supporting optimization and consulting to make sure that customers can make transition from GPU-based model to IPU rapidly and easily.

Optimization support and consulting on IPU for user AI model	Development of IPU-based Software Stack (Joint development with GRAPHCORE)	AI Cloud platform development and service	More productive and mobile friendly business
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Elastic

Search, Observability, Security

With Elastic, data search, analysis, infrastructure monitoring, and security can be implemented on a single platform.



Kibana Dashboard

Benefit

Export support for analysis/design, migration and operation	Reducing financial risk with IT operating expense (OPEX)	All-in-One platform from private to hybrid cloud	Integrated platform from virtual machine (IaaS) to container(PaaS)
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SQream,
Intelligent
Big Data
Analysis Solution

GPGPU-based database engine

SQream is the most suitable solution for customers who need to manage large volume data efficiently using GPU-based DB engine (SQream). It minimizes the time and cost for data management with various search and analysis function using standard SQL.

Solution Specialized in Big-data Analysis

GPGPU-based Database Engine	Columnar-based Database Structure	The Best Data Compression Rate	"Chunking" Technology for Binding 1 Million Cases at Column Unit
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Benefit

Data loading can be processed at the speed of 3-6TB/hour per GPU and it supports Multi-GPU Ingestion. After data loading, querying is possible without additional processing. It is automatically compressed with optimized method for each data type.

Expanding the data analysis scope by more than 20 times (flexible operation)	Fast processing speed by more than 100 times (performance improvement)	90% cost against existing analysis work
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Rescale

Cloud HPC, Digital R&D, Simulation Platform

Rescale's cloud-based High Performance Computing (HPC) solution allows customers to use an application-optimized HPC platform right away, without the need to build an HPC infrastructure. Customers are subject to pay-as-you-go system (on-demand) and Bring Your Own License (BYOL).



Supports 680 + CAE Software

- Rescale ScaleX Platform**
- Massive computation with unlimited CPU cores
 - Time to market
 - User-centric platform
 - Easy management and strong security

Benefit

HPC CLOUD Platform Optimized for Digital R&D

Reducing waiting time	Reducing analysis time	Flexible research environment and security	Collaboration among teams and departments
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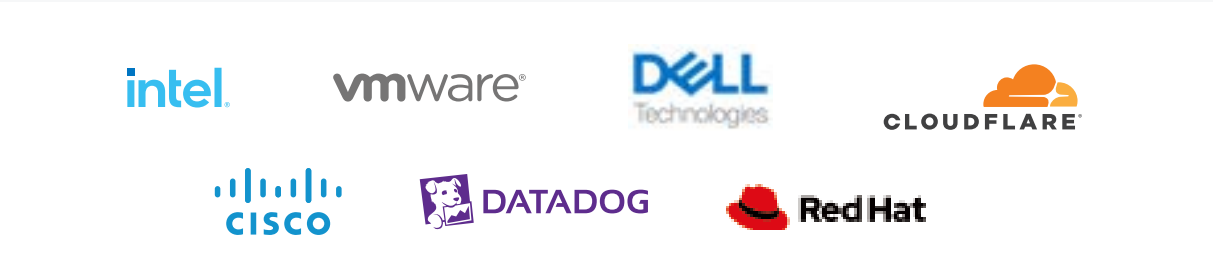
**MEGAZONECLOUD
WORKS WITH**

MEGAZONECLOUD Partners

MEGAZONECLOUD Partners

Tech Foundation

Tech Foundation is a category that includes solutions related to Security, CDN, Monitoring, Network, Cost Optimization, and K8S & Container, all of which are interconnected with Cloud-based IT infrastructure.



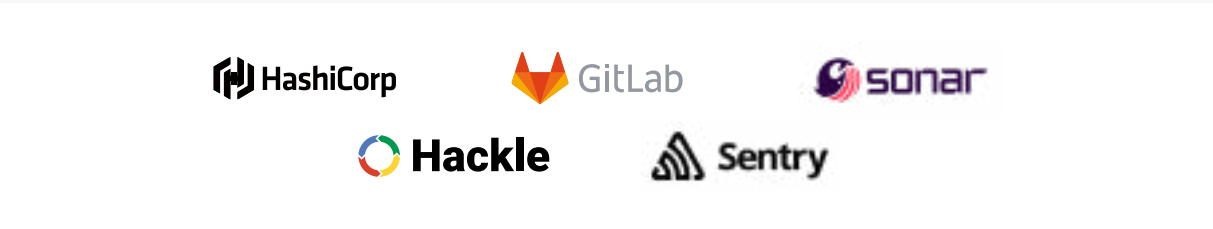
Security

We provide Cloud Native SECaaS solutions optimized for customer environments to securely protect multi-cloud infrastructures, along with remote security monitoring/operational services and security governance consulting.



DevOps

DevOps refers to the service and application development and operations processes. MEGAZONECLOUD provides various tools and services such as CI/CD, IaC, automation, code quality, and feature flags to enhance customers' service and application development and operations environment.



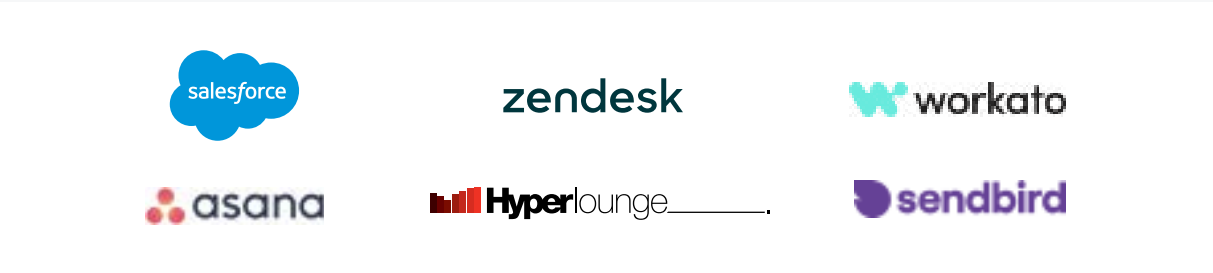
Data & AI

Data & AI is a category that introduces solutions for data collection, integration, analysis, and visualization to build cloud-based data platforms.



Business Solution

Business Solutions is a category that includes SaaS applications and automation solutions that can be used for digital transformation and optimization in various business sectors, such as marketing, customer service, HR, finance, etc.



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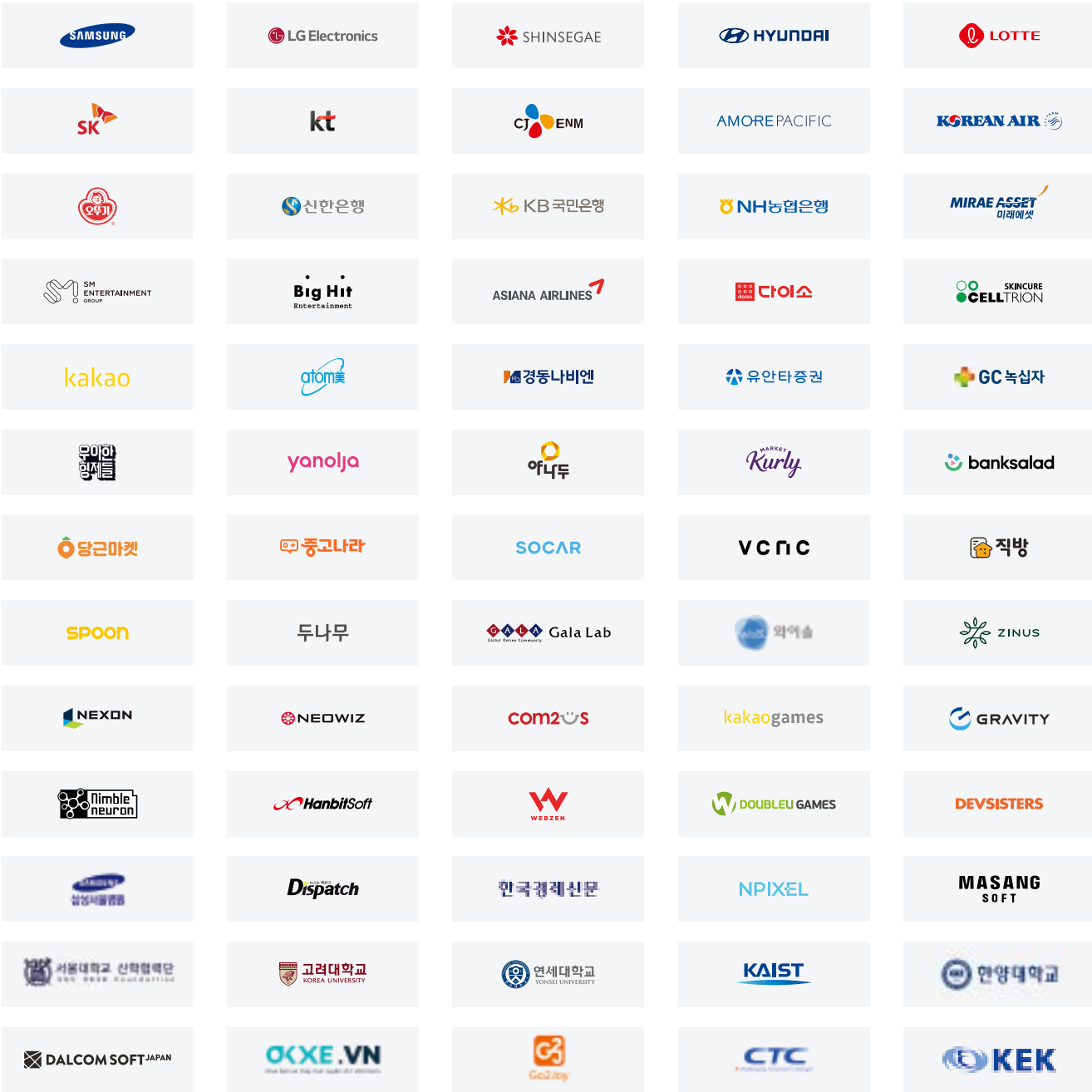
MEGAZONECLOUD WORKS FOR

MEGAZONECLOUD Customers
Customer Success Stories
Global Customer Success Stories

MEGAZONECLOUD Customers

MEGAZONECLOUD has successfully supported the adoption and utilization of cloud services for over 5,000 customers in various fields, including domestic and international enterprise customers, as well as distribution and financial services.

* To check out various customer case studies of MEGAZONECLOUD, please visit www.megazone.com/case-study.



MORAI

> Customer Success Stories



MORAI is a company that develops a simulation platform for verifying the safety and reliability of autonomous driving systems. They provide a full-stack autonomous driving simulation solution, including the core engine, which they independently developed. MORAI supports customers by accurately reproducing complex road environments in virtual space using digital twin technology based on precise map data (HD map), allowing them to precisely verify autonomous driving software and systems. MORAI's autonomous driving simulation reproduces digital twin environments that are identical to reality, including complex traffic situations, various weather conditions, and lighting conditions that vary by time of day, and can recreate tens of thousands of situations that occur on actual roads.

Challenge

- Need to secure GPU-centric, high-end computing resources to run autonomous simulators
- Long installation time and difficulty in preparing a PC when an on-site simulator competition is held in an existing local environment
- Limitations of resources for large-scale parallel autonomous driving simulation

MZC Role

- Support for MORAI SIM Marketplace registration for global pools
- Well-Archived review to enhance AWS infrastructure security and optimize operational resources
- Propose GPU cost reduction and stable simulation through purchase proposal of Reserved Instance

Outcomes

-  Utilizing AWS cloud to flexibly utilize GPU resources for preparing for new autonomous driving simulator competitions
-  Establishing simulation support and operational environment for various competitions with AWS's stable infrastructure base
-  Expanding understanding of AWS infrastructure to include serverless and infrastructure as code (IaC)
-  Listing on AWS Marketplace to provide a foundation for global users to utilize MORAI SIM solutions and expand global market reach



Yuanta Securities was established in 1962. The company had been in operation under the name of Tongyang for 30 years (Tongyang Securities, Tongyang Investment Bank) and changed the name after Yuanta Securities, merged by a Taiwanese company. Currently, it has 78 branches in Korea including 3 W Prestige Centers, and by actively utilizing the extensive network of Taiwan's Yuanta Financial Group including China, Taiwan, and Hong Kong, it is securing a position as a specialized securities company in the pan-Chinese area.



More details

Challenge

- Very sophisticated and powerful computer is necessary to hedge the risk to guarantee agreed profit to customers and secure profit of the securities
- With existing servers, it took 3 hours for traders to consider 25,000 scenarios and the need for expanding server arose to reduce the time
- On the day of significant issue volatility, the number of scenarios to be calculated by traders increased so the company wanted to reduce the time required

MZC Role

- Cost reduction by using Spot Instance and scale-out configuration, if necessary
- Applying the scenario of ELS derivatives under Brexit situation with AWS
- Making it possible to operate at 1/10 compared with existing legacy system

Outcomes



Shortening Working hours

- The working hours has shortened by about 4 times from 3 hours using existing limited infrastructure to 30 minutes



Cost Saving

- Possible to use the service at cheaper cost than previously as service is in use while turning the switch off when if it is not necessary
- Spot Instance is subject to additional discount so it can be used at the 1/10 of the previous cost



Maintaining Scalability, Performance and Service

- Thanks to AWS scalability, performance and service can be maintained with significant issue volatility in Brexit.
- Trading based on efficient and rapid analysis of risk of derivatives with AWS's strong computing power.



MIRAE ASSET Group, established in 1997, is a global investment company offering investment services to advanced capital markets including China, India and the US. It has various affiliates including MIRAE ASSET Securities, MIRAE ASSET Life, MIRAE ASSET Capital and MIRAE ASSET Management. Among them, MIRAE ASSET Management invests in good global assets based on global network. It sells MIRAE ASSET fund and offers investment solution in 30 countries.



More details

Challenge

- A significant portion of customer and potential customer marketing relies on the Mirae Asset Global Investments website (which includes both a main website for core business and subsidiary websites), but the existing colocation servers, storage, network, and related systems used to operate the website are becoming outdated and performance is starting to suffer.
- The website's performance is further degraded by hard disk drives that have reached capacity limits.
- A transition to a new infrastructure that can support the current state of the website is necessary.

MZC Role

- Performed PoC for AWS migration of web server, database, and homepage system
- Verified the target homepage system for AWS migration
- Conducted tasks to ensure stability of the AWS migration system
- Provided Managed Services

Outcomes



Reducing Operating Cost by More Than 50%

- Reducing operating cost by more than 50% thanks to AWS stability and high performance
- Saving capital investment cost for server replacement



Maintaining 99.999% Availability

- Overcoming the potential customers' doubt about unavailability by operating website on an infrastructure that maintains 99.999% availability
- Providing the best user experience with faster response speed of the website with little network latency



Improving the Speed of Customers' Access, 3 Times Faster for Those Accessing From Abroad

- Since the introduction of AWS, the connection speed of customers has improved considerably, and as a result of our own simulation, the speed improvement effect of users accessing from other countries is about 3 times.



SM Entertainment, headquartered in Seoul, Korea, is an entertainment company that operates in planning, recording, film and music production, event management services, and other entertainment businesses. Established in 1989, SM Entertainment manages popular K-pop stars such as EXO, NCT, and Red Velvet.



More details

Challenge

- The existing physical infrastructure faced difficulties in supporting services during periods of new album launches, as traffic increased by 1,000 to 10,000 times compared to normal times due to the explosive popularity of K-POP stars.
- The need to review infrastructure strategy arose during the process of forecasting infrastructure size required for the development and release of 'everyying', a karaoke application for desktop and mobile.

AWS * MZC Role

- Utilizing Amazon Simple Storage Service (S3) to efficiently store and manage over 30,000 songs for the everyying application
- Scaling up instance numbers as needed with Amazon Elastic Compute Cloud (Amazon EC2) to handle rapidly increasing traffic, and reducing instances to save costs during periods of lower demand
- Expanding the MySQL database that stores information on artists, songs, and albums with Amazon Relational Database Service (Amazon RDS)
- Using the Amazon CloudFront content delivery network to cache popular content in advance and transmit it to app users located nearby as needed
- Operating 70% of the IT environment on AWS infrastructure and using the AWS Management Console to manage web application performance and optimization
- Leveraging business-level AWS Support to maximize technological support for application and service development projects.

Outcomes



Reducing Operating Cost by More Than 50%

- Operating cost for artist PR page and website has been reduced by up to 30%
- In the case of karaoke and smartphone video applications, it is expected that operating costs would be at least 50% higher if not operated using AWS but through an on-premise data center



Maintaining Availability of 99.999% and Low Latency

- The IT infrastructure supporting 'everyying,' which has been downloaded 4 million times, maintains an availability of 99.999%
- App users have shown high satisfaction levels with a network latency of less than 10ms



Minimizing Personnel Needed to Maintain Service Infrastructure

- Thanks to the ease of use of AWS, the manpower needed to maintain the newly developed 'everyying' and 'everyshot' app service infrastructure has been minimized, accelerating the development process and maximizing the productivity of the technical team as developers can directly access AWS and add resources within 15 minutes.



ZIGBANG was established in 2011 and is a company that operates a real estate item search service. As of 2021, it has 180 employees. ZIGBANG is a mobile/online application designed to help users find real estate items, with a focus on officetel, one-room flats, and two-room flats, which are in high demand among those in their 20s and 30s. ZIGBANG accounts for approximately 62% of the real estate application market.



More details

Challenge

- The company faced challenges in getting full customer support to solve technical problems when operating the infrastructure on the initial Korea cloud service
- Lack of technical knowledge in managing a database infrastructure with high availability, such as setting up MySQL master-slave data replication
- The need to support the operation and maintenance of the application database
- The need for an infrastructure equipped with high availability, scalability, and stability to accommodate increasing user demand
- The need to reduce infrastructure costs that increase with initial capital investment and the number of application downloads

Why AWS * MZC?

- After analyzing and comparing available infrastructure services, it was determined that only AWS's scalability, availability, database performance, and pay-as-you-go charging model can meet all of ZIGBANG's requirements.

AWS * MZC Role

- Amazon EC2 instances, Auto Scaling, and Elastic Load Balancing were used.
- Amazon SQS was used to trace and process all transactions, even when the internal database has issues. Additional business logic was created to sequentially queue all transactions and offload the database, allowing batch processing.
- AWS Elastic Beanstalk was used to handle infrastructure functions such as capacity provisioning, load balancing, auto-sizing, and application status monitoring.
- Amazon RDS was used to operate and expand the relational database in the AWS cloud.
- Amazon S3 was used to store user information and relevant real estate agency data.

Outcomes



Achieving 5 million downloads and 29 million cumulative downloads in 4 years from release

Providing agility and scalability required for taking up the Korea real estate search market with AWS infrastructure and securing three times more downloads than the competition's service



Minimizing Costs and Risks

ZIGBANG minimized costs by focusing on maintenance instead of infrastructure investment, and also minimized risks during the initial development stage.



Operating with 99.999% Availability

Given the fact that ZIGBANG's users are highly sensitive to service downtime, AWS's excellent stability, performance, and ease of management have played a crucial role in strengthening ZIGBANG's leading position in the Korean market.



Yonsei University was established in January 1957 by merging Yonhee University and Severance Medical School. The university has a Shinchon Campus, which includes 17 graduate schools and 16 colleges (offering undergraduate degrees in 73 departments), with 28,000 enrolled students and 1,490 full-time faculty members. The Wonju Campus consists of 4 graduate schools, 5 colleges (offering undergraduate degrees in 6 fields with 24 departments), and 1 independent department, with approximately 8,000 enrolled students and 320 full-time faculty members. Yonsei University also has affiliated institutions such as libraries, dormitories, language research and education institutes, lifelong education institutes, museums, and research institutes such as the Korean Studies Institute, East-West Research Institute, Genomic Function Control Research Group, Biometrics Research Center, and Medical Legal Ethics Research Center.

Challenge

- The current server and backup system are outdated and need to be replaced.
- With the educational environment moving towards an intelligent information society, there is a growing demand from the computer department, professors, and students for various digital resources.
- There have been complaints from students regarding course registration, and improvements are being considered in various areas such as academic affairs, administration, and the homepage, including a review of cloud migration.

AWS × MZC Role

- Minimizing maintenance cost by applying Auto Scaling through AWS’s EC2 and S3 service
- Conducting CAF workshop to identify agreement point, incorporating the demand from employees in Business



It consists of Korean ophthalmologists, ophthalmologists, and Korean doctors engaged in ophthalmology, plans and promotes the development of the society and the improvement of public health, such as holding academic conferences, research education, publishing journals and academic books for the improvement of ophthalmology.

Challenge

- Every year, thousands of people take ophthalmic examinations and professional readers proceed reading on-site for professional reading, resulting in time-consuming process
- Physical restriction to access reading system
- Limiting the operation of reading system to high specification computing

AWS × MZC Role

- Configure Zeiss Solution, a reading solution, and create an account in AppStream
- Establish a VPN secure connection for security interworking with the main reading system
- Build a data accumulation and backup environment for readings through S3
- Leverage CloudFront to deliver faster connectivity overseas
- Considering the user convenience of AppStream for easy access to applications without compromising performance and security issues for reading system deployment

Outcomes

The readers can access the reading system remotely without time and physical space restrictions, and work efficiency is improved as anyone can easily use it.

Sookmyung Women’s University



Sookmyung Women's University was founded in 1906 with the aid of the Joseon Dynasty. In May 1948, it was promoted to Sookmyung Women's University, and in March 1955 it was promoted to a university. In 2006, to celebrate the 100th anniversary of the foundation, the Centennial Memorial Hall was established, and commemorative events such as academic, cultural, and exhibition were held. In 2017, it proclaimed the slogan Renaissance Sookmyung and is pursuing educational innovation to increase global competencies by responding to the era of the 4th industrial revolution.

Challenge

- The current LMS system, called ‘Snowboard’, which supports students' learning management, professor's course management, and plays the role of video streaming service and content authoring tool, is limited in providing high-quality service due to outdated hardware and temporary server load.

AWS × MZC Role

- General operations: Installing and modifying instances, installing patches, performing backups, and creating AMIs.
- Regular reporting: Analyzing usage patterns, monitoring billing trends, and conducting workshops to develop improvement plans.
- Monitoring: Providing 24/7/365 monitoring services, detecting and notifying issues.
- Issue response: Recovering from issues, conducting root cause analysis, and reporting on the causes.

Outcomes

- Improving the efficiency of class preparation through system restructuring and managed services, allowing for easy sharing of lecture content
- Facilitating real-time communication between professors and students
- Promoting self-directed learning through a variety of learning processes
- Offering personalized and customized learning paths based on individual learning styles

Outcomes

Changes in Awareness of Employees at Computer Department and Smooth Migration Process

- Migration was conducted to CMS web service and the interest and understanding of AWS by employees at computer department increased through CAF workshop.
- Fast learning on AWS by arranging training and practice in parallel
- Smooth migration to AWS by discussing and agreeing on requirements from employees during workshop period



The company is a specialized enterprise that provides food ingredient distribution, group catering services, and related services such as food safety, logistics, education, and consulting under the slogan "Food Business Partner Creating the Success Way." Additionally, as part of its digital transformation efforts to secure outstanding capabilities, it is engaged in various business activities.



More details

Challenge

- There was a need for countermeasures against unpredictable external environments such as COVID-19 and rapidly changing markets, and for creating an environment to accommodate business requirements from the field.
- Online-based platform companies are entering the market, breaking down the boundaries of B2B businesses, and transforming into e-commerce companies by well-funded distribution conglomerates.
- Limitations of cost reduction and IT resource expansion in on-premises environments, as well as difficulties in testing and implementing new technologies such as AI/ML.

AWS×MZC Role

- Diagnosis of IT infrastructure improvement for All-in-Cloud
- Design and configuration of application and database transition, including infra resources
- Transition of enterprise systems to Open Source and Container-based architecture
- Transition from Oracle Exadata to Oracle RDS and Aurora PostgreSQL
- Design and configuration of CI/CD environment using AWS CodeSeries
- Provision of Managed Services

Outcomes



- Cost reduction**
- Reduction of high-cost items such as Oracle and WebLogic with the conversion to open-source
 - Continuous optimization of infrastructure resources for cost reduction after the open service
 - Improvement of cost management through standardization of configurations



- Performance improvement**
- Single-order management service transition resulted in approximately 38% speed improvement
 - SAP inventory service saw an average speed improvement of 55% after transition



- Employee satisfaction improvement**
- 75% of survey respondents reported experiencing improved response speed
 - Increased satisfaction of CJ Freshway customers



- After the conversion to Cloud, it is possible to flexibly cope with the growth of monthly sales.**
- Although monthly order volumes have been increasing since the Cloud conversion, flexible architecture has contributed to business growth without major issues.

AMORE PACIFIC

Amorepacific is a global beauty company with a history of 75 years, and has more than 40 brands that encompass cosmetics, household goods, and healthcare. It is a leading company in the market by driving innovation starting with e-commerce and digital marketing.



More details

Challenge

- Management limitations on IT resources operating on-premise
- Lack of expertise in managing cloud infrastructure
- Lack of efficient design, verification, and construction capabilities for cloud infrastructure
- Need for cost-saving measures based on diverse cloud operation experiences.

MZC Role

- Systematic documentation of the currently running cloud infrastructure
- Establishment of SR processing process based on SLA
- Continuous improvement of business processes to improve cloud infrastructure efficiency
- Realizing cost savings through regular evaluation of infrastructure usage
- Establishment of diagnosis and transfer strategy for the transfer of AWS of Songdo IDC Resources (800+)

Outcomes



- Operation process improvement**
- Establishment of cloud infrastructure operation indicators such as E2E Lead Time and downtime
 - Securing operational governance and establishing clear CMS operation guidelines
 - Improving the operation system and process based on quantitative judgments for each statistical indicator.



- Performance Improvement:**
- Regular operational checks and proactive improvement to enhance user satisfaction
 - Reduction of SR processing time for field requests and improved response time for incidents
 - Cost reduction through infrastructure resource optimization
 - Implementation of more than 10 business request forms in the Zendesk-based system and integration with Jira
 - Systematic cloud infrastructure monitoring through Datadog
 - Real-time integration and distribution of monitoring information through Slack channels



Daekyo Co., Ltd, established in 1976, has grown to become one of the top education companies in Korea by inventing a personalized learning method tailored to each individual's level. With its high-density educational content based on 46 years of expertise, Daekyo has expanded into various online media businesses, including early childhood education, publishing, home schooling, and online education, while actively venturing into overseas markets to embrace the global era. Daekyo is striving to establish itself as "the world's largest school" with its brand slogan.



View Website

Challenge

- Some teachers and students are experiencing delays in certain online educational services during peak usage times
- There is a sudden increase in CPU and memory usage on the database server, causing concerns about operational management
- It is necessary to review and improve the DB structure and performance to prevent service delays and interruptions

AWS×MZC Role

- Migrate to Aurora PostgreSQL DB for stable support of online services
- Implement a DB load distribution structure to distribute the load of online learning and analytics services
- Adjust parameters for Daekyo services after analyzing parameter analysis of PostgreSQL DB server
- Collaborate with business employees to apply specialized SQL statement tuning to address delayed services

Outcomes



- Stable educational service support without service delay and disruptions**
- Reduced the DB server specification by half after performing the DB Tuning service to save customer costs
 - Maintained stable resource utilization of the Database server during peak load times
 - High satisfaction with specialized Database services resulted in additional support for service operation management
 - Requested additional review of the DB structure for other major services within Daekyo



Dalcomsoft Japan operates games called "SuperStar SM, SuperStar JYP, and SuperStar YG" and plans to launch new games by 2023. Dalcomsoft's headquarter is in Korea and has subsidiaries in Japan, the United States, Singapore, and other countries. They operate the "SuperStar" series of idol music rhythm games.

Challenge

- Japan local contract requests with the ability to issue local currency (JPY) tax receipts and provide local language technical support
- Monthly cost savings through TB (USD 6K) and CFRC (Cloud Front Reserved Capacity) without a contractual agreement
- RI/SP guide for node-oriented RI application
- Architecture improvement execution based on 6 core elements: operational efficiency, security, stability, performance efficiency, cost optimization, and sustainability

AWS×MZC Role

- Billing support and local (JPY) tax receipt issuance support through MZ JP
- Technical support through MEGAZONECLOUD AWS Support Portal
- Provide AWS Architecture Review consulting to improve AWS architecture based on 6 core elements and provide 24/7 CS response service
- Provide node type service-centric cost optimization guide based on customer usage data.

Outcomes

- Enhanced local (Japan) technical support for AWS through local partners
- AWS architecture improvement based on 6 factors: operational efficiency, security, stability, performance efficiency, cost optimization, and sustainability
- Cost optimization support through CDN discounts and node-oriented RI/SP offerings.



현대 L&C

Hyundai L&C's subsidiary, HanStone Quartz, a flooring and chassis manufacturer affiliated with the Hyundai Department Store Group, is known for its high-quality and beautifully designed products made from state-of-the-art materials produced in a cutting-edge facility located in London, Ontario. HanStone Quartz produces kitchen and bathroom countertops and other products with unique patterns and designs that can inspire customers, with over 40 colors to choose from, and has gained a lot of love in the North American market.

Challenge

- AWS migration of the manufacturing SAP application system needs to be completed within a month to shorten the time required.
- Continuous 24/7 monitoring and cloud operation by global MSP cloud experts is needed.
- Continuous consulting on cloud architecture and optimization is required to minimize economic cost burdens.

AWS×MZC Role

- Analysis of current state and consulting for future architecture implementation
- Flexible communication and feedback
- 24/7 cloud monitoring and operations by a global team
- Analysis, reporting, issue investigation, technical support, infrastructure/application security, cost optimization

Outcomes

- Increased efficiency and cost savings through shortened cloud migration time
- Quick problem resolution through effective issue tracking
- Increased stability after Go-Live
- Improved operational efficiency, resource efficiency, and agile IT management
- Cost savings benefits for global customers



Go2Joy is a hotel reservation application service provider that utilizes location information to easily search for and quickly book nearby accommodations. It also operates a service for the 2030 generation by introducing a time/half-day stay reservation function, the first of its kind in Vietnam.

Challenge

- Needs for MEGAZONECLOUD's AWS technical support
- Preservation of existing AWS service credits and issuance of Vietnamese tax invoice (VND) for local transactions.

AWS✖MZC Role

- Support for configuring hybrid architecture for traffic management and compliance with cybersecurity laws
- Transfer of existing AWS service credits to MEGAZONECLOUD to support premier services
- Ability to issue local tax invoices (Red Bill) for AWS service usage fees.

Outcomes	• When service expansion becomes visible, cost savings of at least 25-30% per year can be achieved through Reserved Instances or Savings Plans.
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OKXE is an O2O (Online to Offline) used motorcycle trading application service provider for Vietnamese consumers. It enables users to trade used motorcycles through their application. As of July 2021, the application has more than one million users and they are actively working on expanding their services.

Challenge

- Needs for MEGAZONECLOUD's AWS technical support
- Preservation of existing AWS service credits and issuance of local Vietnamese tax invoices (VND)

AWS✖MZC Role

- Technical support through architecture review sessions
- Guidance on right sizing and scheduling for actual servers to make infrastructure more efficient
- Consulting on CloudFront implementation for increased traffic, including guidance on secure and cost-effective infrastructure services

Outcomes	• Annual cost savings of at least 25-30%
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Techno-Solutions Corporation



ITOCHU Techno-Solutions Corporation (CTC) is a comprehensive IT service company that strives to be a partner for its customers.

Challenge

- Demands for billing management tools for both CTC itself and CTC's customers
- Increased billing workload internally at CTC due to the expansion of customer's AWS usage
- Provision of AWS architecture review consulting to improve AWS architecture based on the six principles
- The current cost visualization tool developed in-house requires frequent setting and format changes due to AWS's frequent fee system changes.
- Need to provide CTC customers with a user-friendly AWS cost visualization tool for everyday use

AWS✖MZC Role

- Providing education and detailed analysis on how to utilize cost data
- Providing the cost management tool Hyper Billing

Outcomes	• Reduction of AWS billing management workload to less than 1/5 • Previous monthly workload that was carried out by 3-4 staff members over a week is now accomplished by 2 staff members in 2 days with Hyper Billing • Providing Hyper Billing to CTC customers to realize cost visualization • Achieving cost savings by referring to billing information and server operation time, etc.
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High Energy Accelerator Research Organization



High Energy Accelerator Research Organization (KEK) is a research institution that promotes fundamental science using devices called accelerators. High-energy accelerators are devices that accelerate particles such as electrons or protons to speeds close to the speed of light to create high-energy states.

Challenge

- Efficient operational management tool needed for the development and operation of state-of-the-art measurement devices for protein structure analysis, such as synchrotron radiation beamlines and cryo-TEM
- Securing computing resources for interpreting large volumes of measurement data output from the measurement devices

AWS✖MZC Role

- Provision of AWS billing and account management services
- Provision of cost management tool, HyperBilling, and billing management services
- Provision of technical support for AWS utilization

Outcomes	• Establish a safe and scalable computing environment to ensure smooth research activities • Provide accurate resource usage tracking and billing management services • Use Hyper Billing to track AWS resource usage and manage monthly billing
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CONTACT US

If you have any questions or need more detailed information about MEGAZONECLOUD services, please feel free to contact us using the contact information below. We will get back to you as soon as possible.

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<https://www.megazone.com/us>



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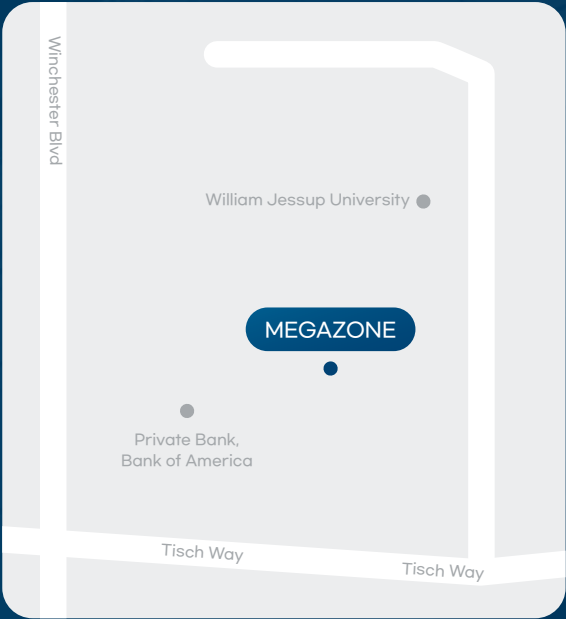
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