Modernize .NET Apps with App Service, Azure SQL DB

Assessment Program

Cloocus

Gold Microsoft Partner

Azure Expert MSP

Cloud Navigator, Cloocus

Modernize .NET Apps with App Service, Azure SQL DB

Azure App Service and Azure SQL Database take care of the availability, scale, security and infrastructure management of your apps, allowing you to spend more time growing your business and empowering employees. It handles the availability, scale, security and infrastructure management of applications. Migrating your ASP.NET applications to Azure can save you 54% versus on-premises and up to 30% versus AWS.

Azure App Service

Azure App Service is specifically designed to host and manage web applications, websites, APIs and other web services with high availability and SLA backed uptime 99.95%. It`s a fully managed platform with built-in web app security controls for network, data, identity and logging, allowing you to scale with confidence.

Fully managed platform with built-in infrastructure Maintenance, security patching and scaling

Built-in CI/CD integration and zero-downtime deployments

Integration with virtual networks and ability to run In an isolated and dedicated App Service Environment

Rigorous security and compliance, including SOC and PCI, for seamless deployments across public cloud, Azure Government and on-premises environments

Azure SQL Database

Azure SQL Database is always up to date, with AI-powered and automated features that optimize performance and durability for you. Serverless compute and Hyperscale storage options automatically scale resources on demand, so you can focus on building new applications without worrying about storage size or resource management.

Fully-managed SQL database automates updates, provisioning, and backups so you can focus on application development

Flexible and responsive serverless computing and Hyperscale storage rapidly adapt to your changing requirements

Layers of protection, built-in controls and intelligent threat detection keep your data secure

Built-in AI and built-in high availability maintain peak performance and durability with an SLA of up to 99.995 %

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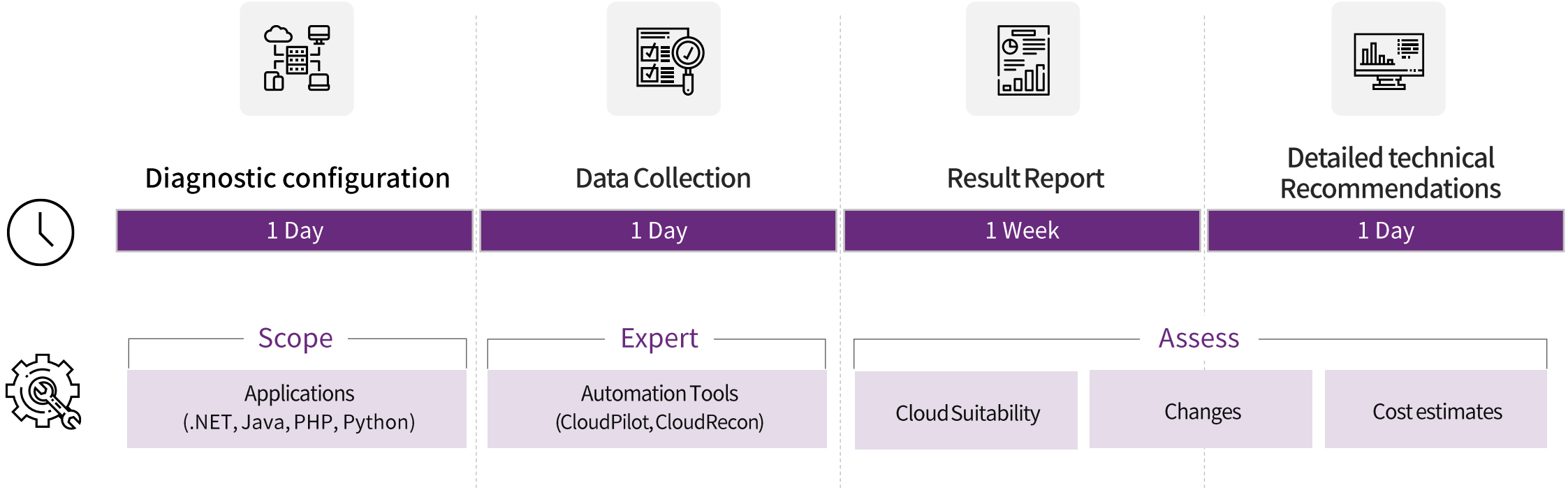
Assessment Roadmap

The Azure Migration diagnosis is flexible according to the schedule of the customer but it takes a minimum of 2 weeks to a maximum of 3 weeks from the start of diagnosis until report sharing and recommendations.

App Analysis



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Cloud Assessment in details

The Cloocus ATS (Account Technical Support) team thoroughly analyzes the customer`s environment and system prior to cloud migration to support your company`s safe and efficient cloud transition.

Pre-diagnostic service

Application Analysis
(2 weeks)

App Modernization
Recommendations

Assessment Roadmap

Pre-Meeting

- Discussion of progress schedule and scope of work

Preparation of Assessment environment

- Inventory investigation
- Azure Migrate Configuration
- Data Collection Server Configuration
- Tool (CloudRecon, Cloud Pilot) Environment configuration

Data Collection

- Data Collection using tools

Analysis and checkup

- Performing a diagnosis using a tool
- Professional Customer Customized detailed diagnosis

Result Report

- Request Unify Cloud Report
- Diagnostic result
- Implementation plan

Final Report / Adoption Suggestions

- Provide diagnostic results and implementation plan
- App / DB Modernization proposal

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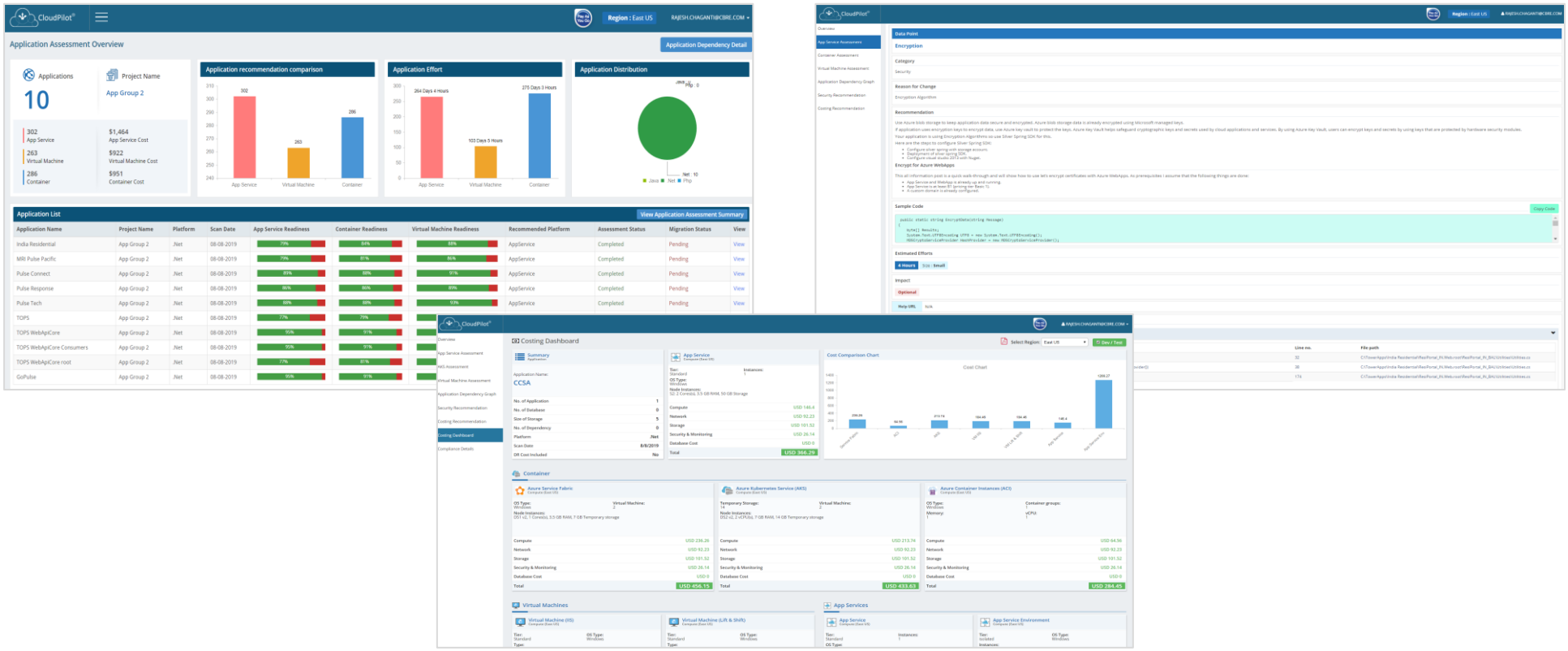
Cloocus Offers - App/DB Analysis

Based on data collected through Code/Config Files scans, the Azure MIGRATE diagnostic tool 'CloudPilot' provides additional preparations for customer application and SQL DB analysis for migration to Azure PaaS Readiness and application migration.

Applications

Modernization Option: 1) VM, 2) Container, 3) Cloud Suitability for how App Service is leveraged, Code changes, Cost Evaluation



Cloud Suitability
Code Changes
Cost

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Azure Migrate Sample Report – App/DB Analysis

The Azure readiness of your applications vary.

CloudPilot® 솔루션을 사용하여 식별한 (27)개의 애플리케이션을 스캔 한 후 Azure 에서 실행할 수 있는 애플리케이션의 준비 상태에 차이가 있음을 발견했습니다. (1)App(ClaimStatusService) 이외의 AppService를 사용한 현대화를 위한 나머지 (26) App 의 준비도는 단순한 “Lift & Shift” 접근 방식보다 크게 중요하지 않습니다.

Application	Container	App Service	VM
AMIRestfulService	86%	86%	88%
AMIService	79%	77%	81%
ClaimStatusPortalService	79%	77%	81%
ClaimStatusService	81%	0%	82%
ClientCompanyRules	81%	82%	82%
CMS-AppealCaseFile	82%	81%	84%
CMS-ESMD	70%	63%	72%
CMS-ProviderPortal	77%	70%	79%
CMS-Scrapper	81%	79%	82%
DocsEdit	74%	70%	75%
EncoderService	82%	84%	84%
FileMove	79%	79%	81%
HBA	79%	79%	81%

Application	Container	App Service	VM
MAT	72%	67%	74%
MDS	63%	60%	65%
MERE	53%	35%	54%
OCR	86%	88%	88%
OPALS	60%	42%	61%
PJ	79%	77%	81%
ProviderManagement	81%	75%	82%
QTS	72%	70%	74%
Recoup	67%	56%	68%
REDOX	75%	72%	77%
Result360	75%	74%	77%
ResultsList	81%	79%	82%
Review360	84%	84%	86%
SNF30	79%	74%	82%

Application Remediation and Effort

(27) 애플리케이션에 대한 업데이트 권장 사항 및 예상 완료 시간이 여기에 요약되어 있습니다.

총 개선 시간은 다음과 같습니다.
AppService: 1,075 hours
Containers: 738 hours
VMs: 736 hours

가능하면 AppService 전략을 활용하는 것을 추천 드립니다.

Application Name	App Service		Container		Virtual Machine	
	Chg Count	Effort	Chg Count	Effort	Chg Count	Effort
AMIRestfulService	8	3 Days 1 Hour	8	5 Days 6 Hours	7	2 Days 2 Hours
AMIService	13	4 Days 6 Hours	12	6 Days 6 Hours	11	3 Days 2 Hours
ClaimStatusPortalService	13	7 Days	12	8 Days 4 Hours	11	3 Days 2 Hours
ClaimStatusService	0	0 Days	11	8 Days 2 Hours	10	3 Days
ClientCompanyRules	10	4 Days 2 Hours	11	6 Days 4 Hours	10	3 Days
CMS-AppealCaseFile	11	4 Days 2 Hours	10	6 Days 2 Hours	9	2 Days 6 Hours
CMS-ESMD	21	13 Days 1 Hour	17	13 Days	16	7 Days 6 hours
CMS-ProviderPortal	17	6 Days 1 Hour	13	7 Days	12	3 Days 4 Hours
CMS-Scrapper	12	7 Days 7 Hours	11	10 Days	10	3 Days
DocsEdit	17	6 Days 7 Hours	15	8 Days 2 Hours	14	4 Days 6 Hours
EncoderService	9	4 Days	10	6 Days 2 Hours	9	2 Days 6 Hours
FileMove	12	4 Days 5 Hours	12	7 Days 2 Hours	11	3 Days 6 Hours
HBA	12	6 Days 3 Hours	12	8 Days 4 Hours	11	3 Days 2 Hours
MAT	19	12 Days 2 Hours	16	13 Days	15	4 Days 2 Hours
MDS	23	8 Days 7 Hours	21	9 Days 2 Hours	20	5 Days 6 Hours
MERE	37	20 Days 7 Hours	27	17 Days 6 Hours	26	10 Days Hours
OCR	7	3 Days	8	5 Days 6 Hours	7	2 Days 2 Hours
OPALS	33	21 Days 7 hours	23	20 Days 4 Hours	22	17 Days
PJ	13	5 Days 2 Hours	12	6 Days 6 Hours	11	3 Days 2 Hours
ProviderManagement	14	5 Days 2 Hours	11	6 Days 4 Hours	10	3 Days
QTS	24	13 Days 5 Hours	23	14 Days 4 Hours	22	6 Days
Recoup	25	11 Days 1 Hour	19	10 Days 2 Hours	18	5 Days
REDOX	16	8 Days 7 Hours	14	10 Days 2 Hours	13	6 Days 6 Hours
Result360	15	5 Days 6 Hours	14	7 Days 2 Hours	13	3 Days 6 Hours
ResultsList	12	5 Days	11	6 Days 4 Hours	10	3 Days
Review360	9	3 Days 7 Hours	9	6 Days	8	2 Days 4 Hours
SNF30	20	10 Days 5 Hours	17	11 Days 4 Hours	15	7 Days 0 Hours

Estimated Azure Application Cost

우리에게 제공된 인프라 데이터를 기반으로 각 애플리케이션 전략을 지원하는 기본 Azure 서비스 비용을 추정했습니다. 아래의 예상 비용은 특정 시점을 반영하며 서비스를 제대로 크기 조정해야 할 필요성을 나타내는 것으로 가정합니다.

Azure App Service Baseline Costs				
Compute	Network	Storage	Security	Total Cost
$146.00	$51.10	$11.50	$14.64	$223.24

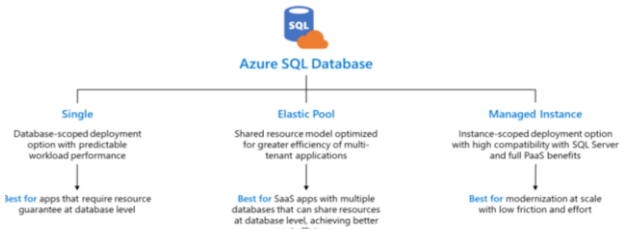
Azure Container Instance Baseline Costs				
Compute	Network	Storage	Security	Total Cost
$73.78	$0.00	$11.50	$14.64	$99.92

Virtual Machine Baseline Costs				
Compute	Network	Storage	Security	Total Cost
$183.96	$43.85	$11.50	$14.64	$253.95

Strategy	Monthly Cost
(26) App Service + (1)VM	$6,058.19
(27) Containers	$2,697.84
(27) VMs	$6,856.65

We have looked at your data estate migration opportunities as well

응용 프로그램 마이그레이션 전략 외에도 최상의 접근 방식을 권장하기 위해 (2) SQL Server 인스턴스에서 이러한 앱과 관련된 (63) 데이터베이스를 살펴 보았습니다. 가능한 경우 Azure PaaS Data estate 대안 (DTU, vCore), Azure SQL Database Elastic Pool, Azure SQL Database Managed Instance) 및 필요한 경우 Azure의 VM (IaaS)에서 실행되는 SQL을 찾습니다.



CloudPilot® 솔루션을 사용한 이 분석을 기반으로 Azure에서 실행할 데이터베이스 (63개)의 준비 상태 및 수정 노력(시간)이 아래에 요약되어 있습니다.

Service	% Ready	Remediation
Azure SQL	71.03	3,812 hours
SQL VM	92.78	690 hours
SQL MI	81.38	2,492 hours

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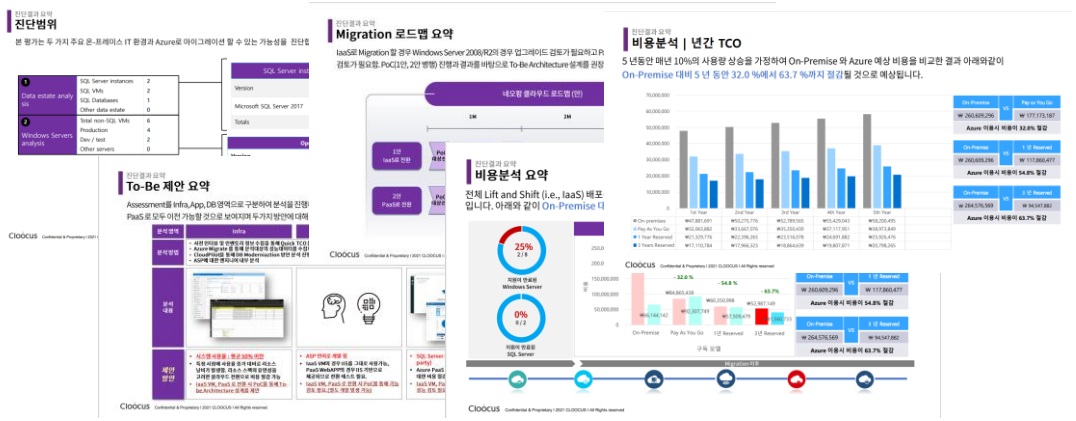
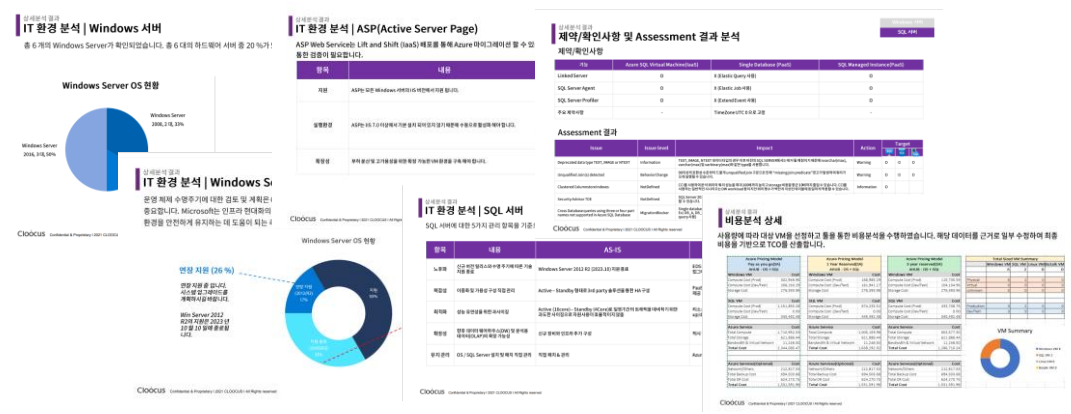
Azure Migrate Sample Report – App/DB Analysis

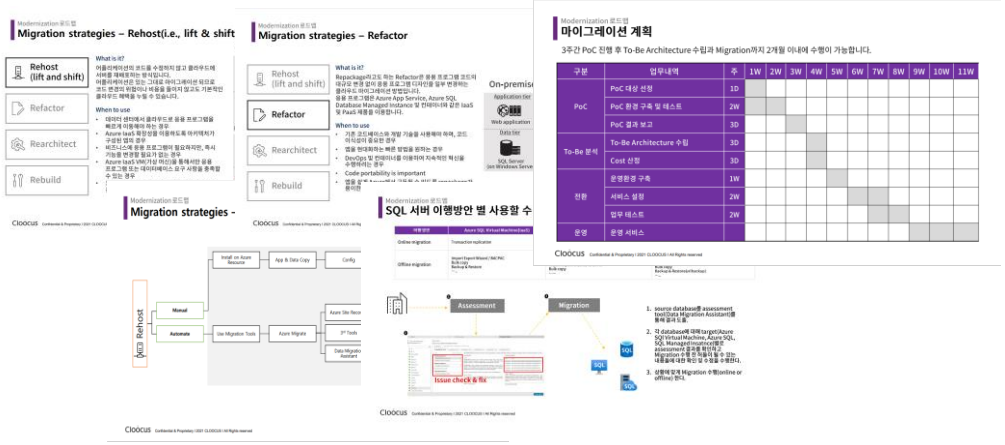
Diagnosis Summary



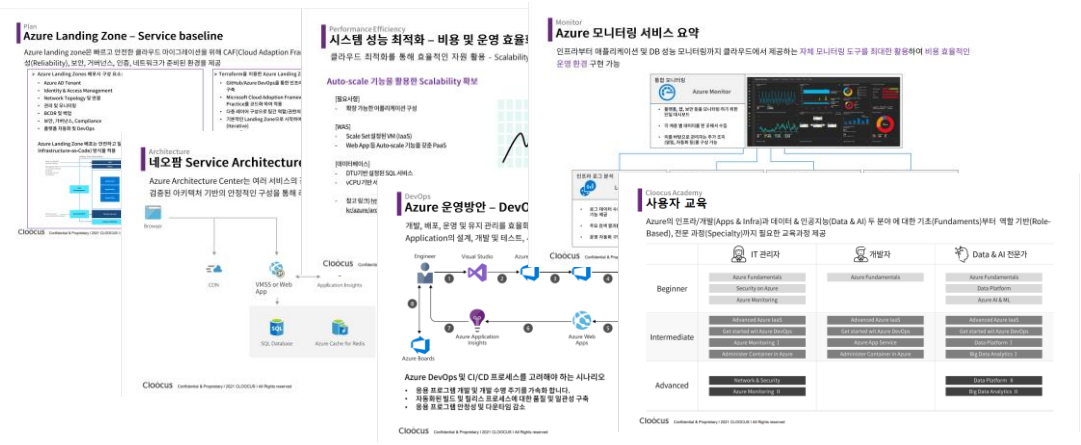
Detailed Analysis Results



Modernization Roadmap



To-Be Proposal



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Thank you!

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