

기업에서 반드시 고려해야 하는 엔터프라이즈 클라우드 플랫폼

“IBM 파워 시스템의 하이브리드 멀티클라우드 전략”

배유진 차장

Server Solutions - Cognitive

IBM Systems

하이브리드 멀티클라우드

하이브리드 클라우드

A computing environment that includes both a **private cloud** and **public cloud**, allowing applications and data to be shared between them.

+

멀티클라우드

A computing environment utilizing services from **more than one cloud vendor** — building upon multiple technologies.

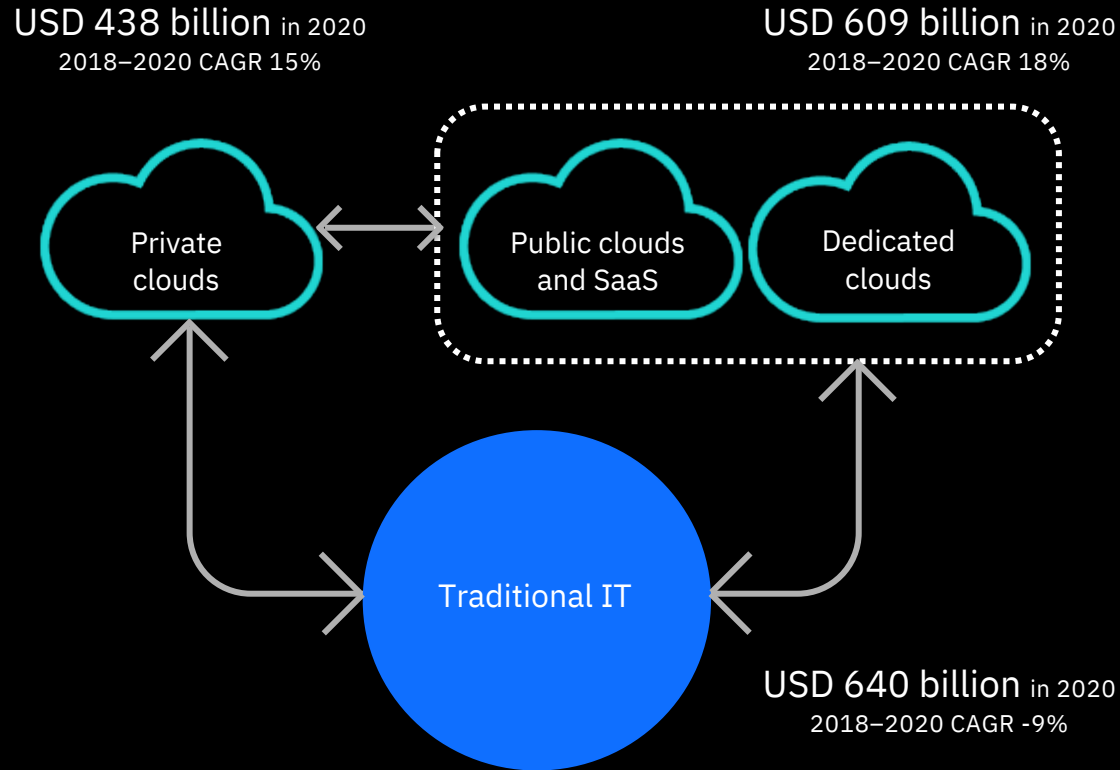
하이브리드 멀티클라우드

A computing environment leveraging the best of **multiple vendors**, unrestricted in its ability to operate **across premises**.



Cloud Adoption - Moving to Hybrid

클라우드는 전통적인 온프레미 IT 환경과 함께 Public, Private, SaaS 어플리케이션 등이 혼재하는 하이브리드 환경으로 진화 하고 있습니다.



A real-world look at multicloud

94%

Share of enterprises using a mix of cloud models

67%

Share of enterprises using more than one public cloud provider



Movement between clouds

73% priority concern



Connectivity between clouds

82% priority concern

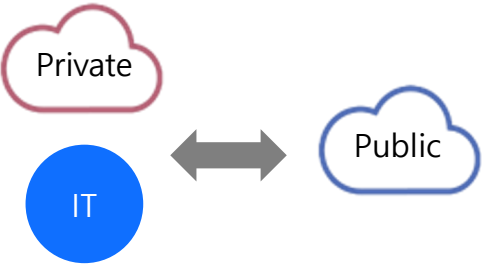
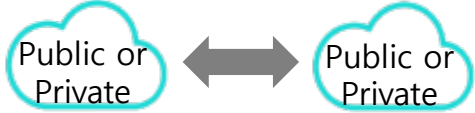

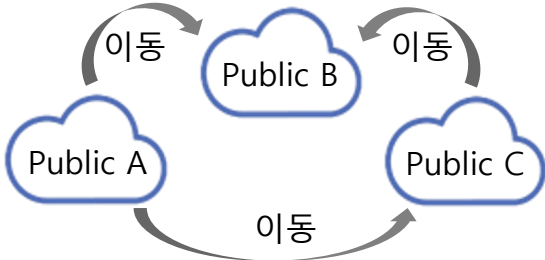
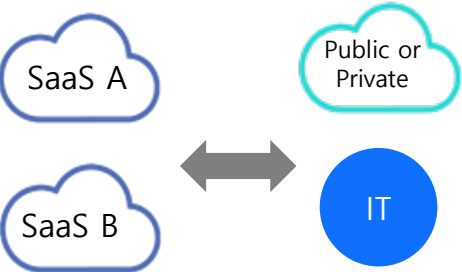
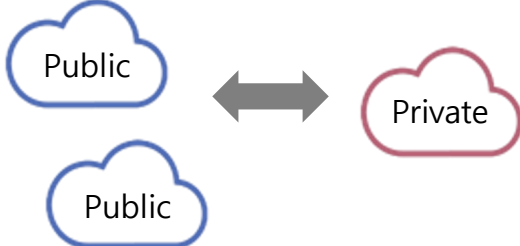
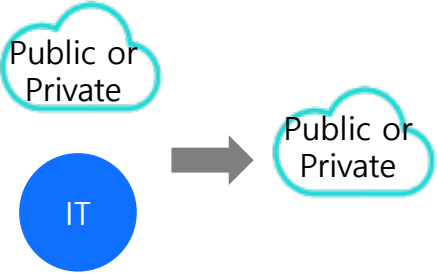
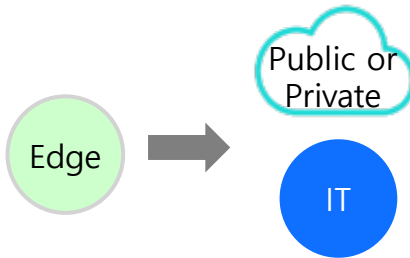


Consistency of management

67% priority concern

클라우드 도입의 다양한 환경

비즈니스와 애플리케이션이 진화하며 하이브리드 클라우드 환경이 증가

<p>Hybrid</p>  <p><i>Public 클라우드 경제 및 서비스 활용</i></p>	<p>Optimization</p>  <p><i>각 업무별 가장 적합한 클라우드 선택</i></p>	<p>Best of Breed Services</p>  <p><i>최적의 옵션으로 조합하여 사용</i></p>	<p>벤더-락인 탈피</p>  <p><i>경제적, 기술적으로 벤더-락인 지양</i></p>
<p>SaaS Integration</p>  <p><i>기업 업무시스템과 SaaS의 안전한 연계</i></p>	<p>데이터 분산</p>  <p><i>정부 방침 및 규정을 준수하기 위한 목적</i></p>	<p>Disaster Recovery</p>  <p><i>HA / DR 을 위해 여러 환경을 사용</i></p>	<p>Edge Computing</p>  <p><i>Edge Computing 으로 확장</i></p>

Power Systems 을 운영하는 IT팀의 고민

인프라 운영/관리 단순화 & 자동화 Automation



직원들에게 “클라우드 경험” 제공 & 민첩성 증대 Agility



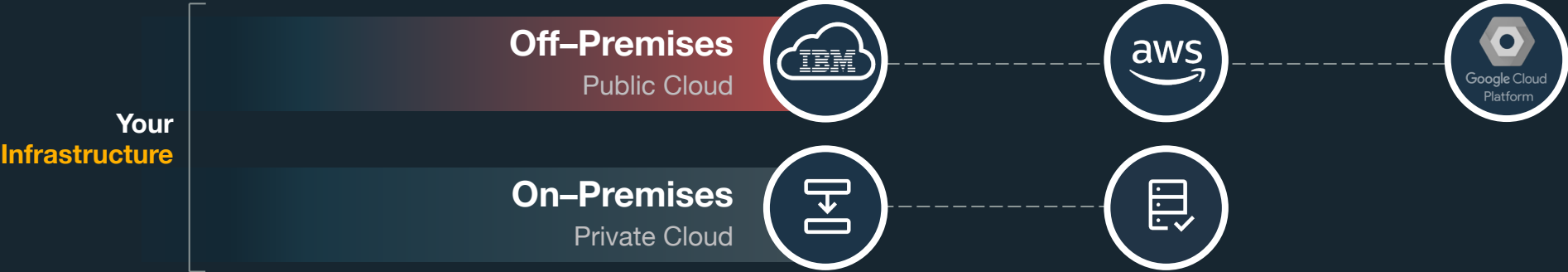
기업을 위한 혁신 플랫폼 제공 Innovation



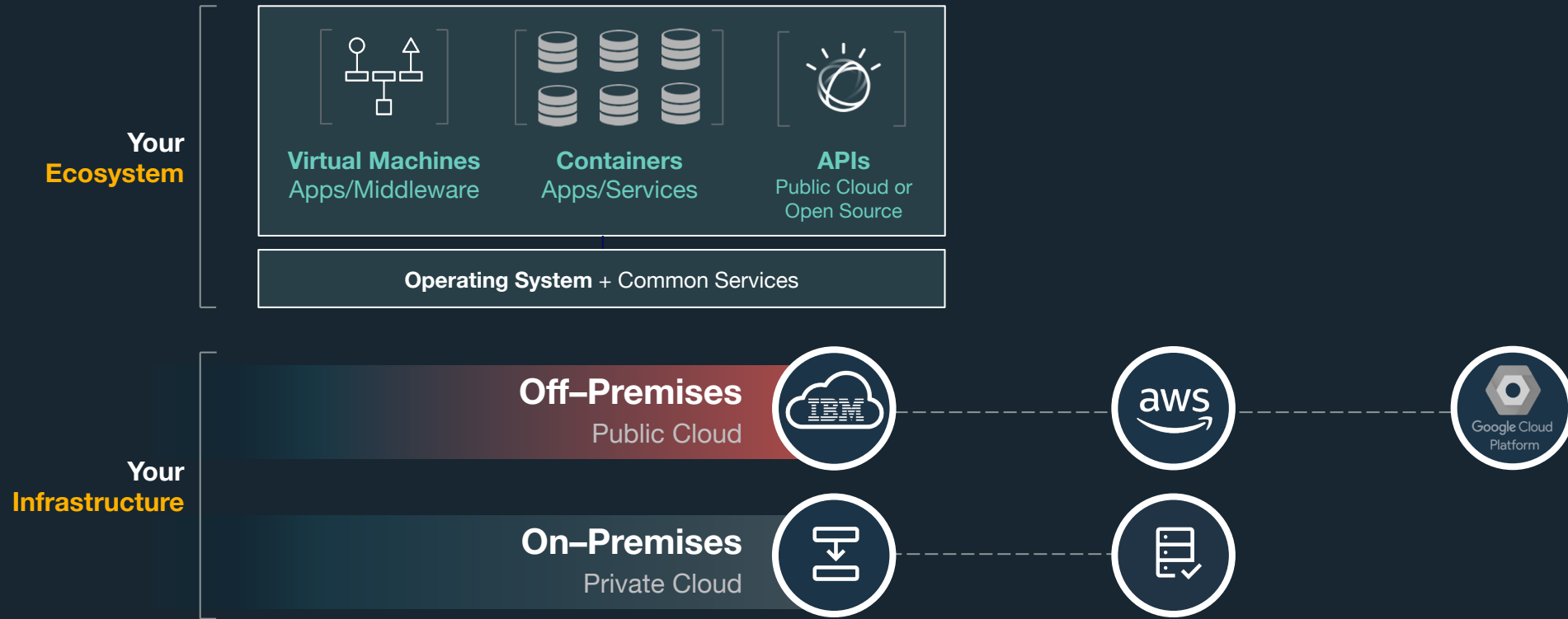
온 프레미스 (프라이빗 클라우드), 오프 프레미스 (퍼블릭 클라우드), 온+오프 (하이브리드 클라우드)

...IBM Power Systems이 엔터프라이즈 업무의 클라우드 전환을 도와드립니다.

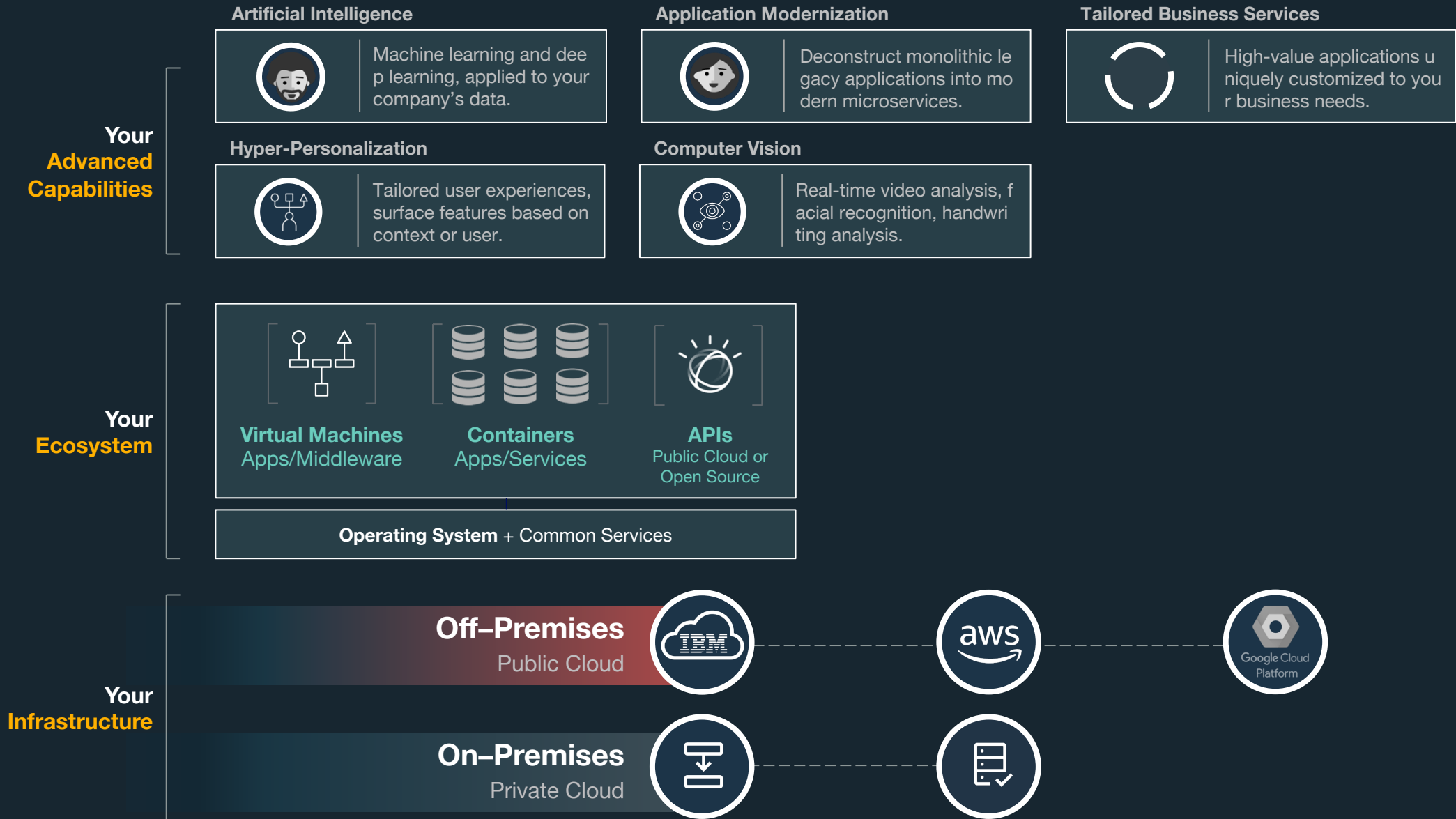
IBM 하이브리드 멀티클라우드 아키텍처



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IBM 하이브리드 멀티클라우드 아키텍처

Advanced Capabilities & Aspirations

Artificial Intelligence



Machine learning and deep learning, applied to your company's data.

Application Modernization



Deconstruct monolithic legacy applications into modern microservices.

Hyper-Personalization



Tailored user experiences, surface features based on context or user.

Computer Vision



Real-time video analysis, facial recognition, handwriting analysis.

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Your Infrastructure



IBM AIX
POWER Systems



IBM i
POWER Systems



On-Premises

Private Cloud

IBM POWER Systems,
Scale-Out, Accelerated

Off-Premises

Public Cloud

IBM POWER Systems,
x86, Storage, Z



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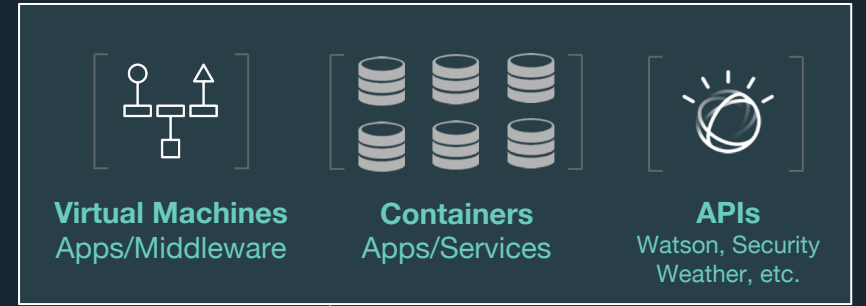
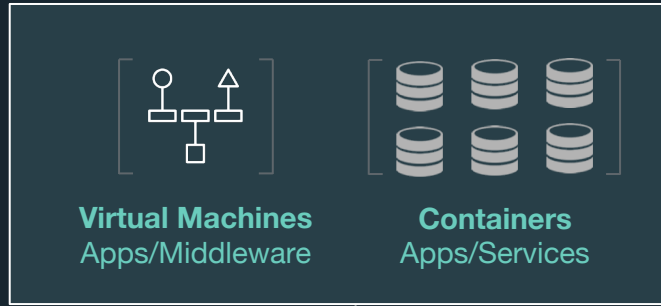
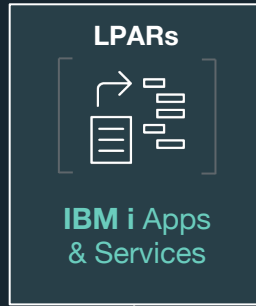
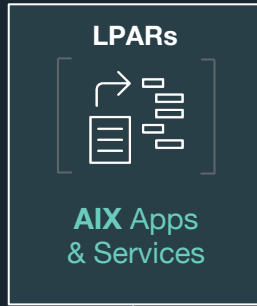


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IBM AIX
POWER Systems



IBM i
POWER Systems



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Scale-Out, Accelerated

Off-Premises

Public Cloud

IBM POWER Systems,
x86, Storage, Z



IBM 하이브리드 멀티클라우드 아키텍처

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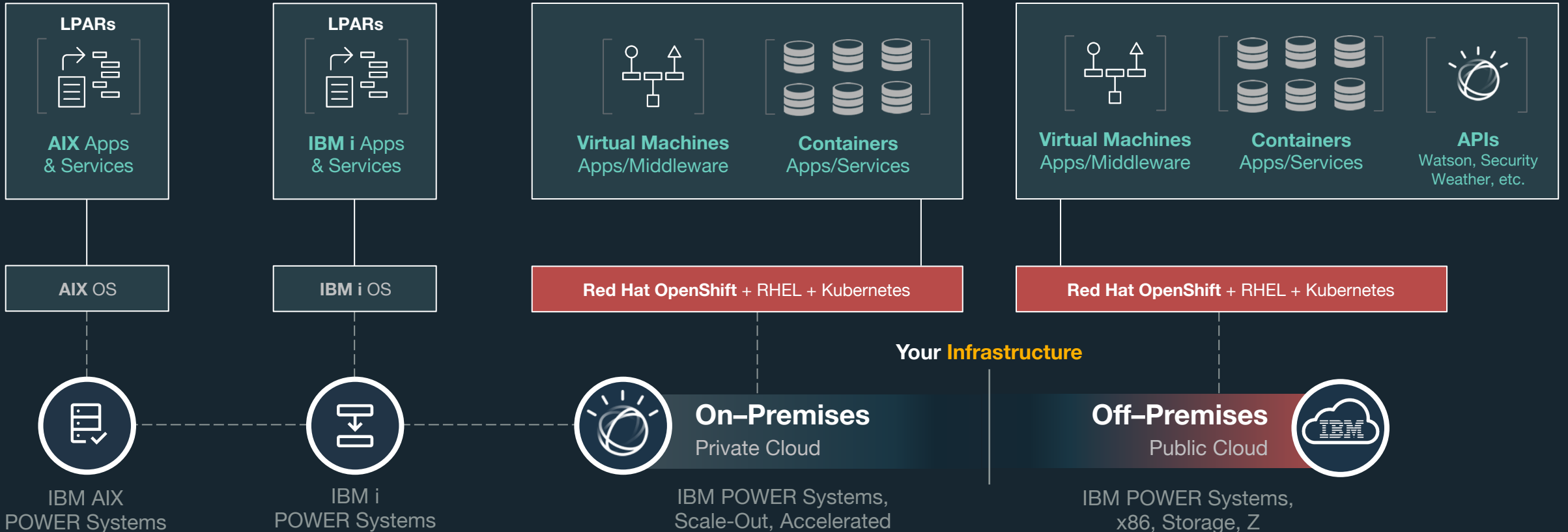


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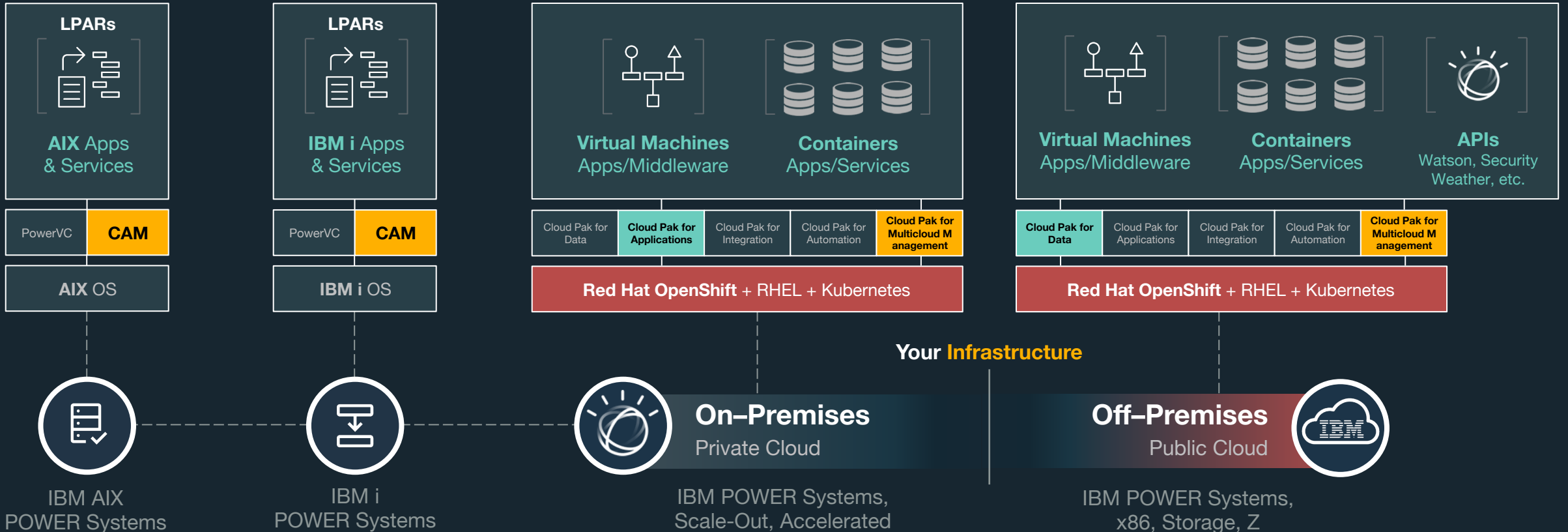


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파워 시스템의 하이브리드 멀티클라우드

<p>목표: - 유연성과 경쟁력 향상 - 비용 절감</p>	<p>목표: 온-프레미스, 클라우드 스타일의 프로비저닝/민첩성/단순화</p>	<p>목표: 퍼블릭 클라우드에서 AIX, IBM i, Linux 워크로드 운영</p>	<p>목표: 기존의 앱 현대화, 새로운 클라우드-네이티브 앱과 AI 앱 빌드</p>	<p>목표: 멀티클라우드 관리 단순화 (프라이빗 & 퍼블릭)</p>
<p>"CLOUD-LIKE" CONSUMPTION MODELS</p>	<p>PRIVATE (IaaS)</p>	<p>PUBLIC (IaaS)</p>	<p>PRIVATE (PaaS)</p>	<p>MULTI-CLOUD</p>
<p>Enterprise Pools</p>	<p>IBM PowerVC</p>	<p>IBM Power Virtual Server on IBM Cloud</p>	<p>Red Hat OpenShift</p>	<p>IBM Cloud Automation Manager</p>
<p>Capacity on Demand</p>		<p>IBM Cloud Virtual Power Servers on VPC</p>	<p>IBM Cloud Paks Applications Integration</p>	<p>VMware vRealize</p>
<p>Cloud Management Console</p>		<p>Google Cloud POWER Infra.-as-a-Service</p>	<p>Data Automation Security</p>	<p>IBM Multicloud Manager</p>
		<p>Partner Clouds (Skytap, Nimbix, +++)</p>	<p>Multicloud Management</p>	

자동화

민첩성

혁신



귀사는 클라우드로의 여정에서 어디에 있습니까?

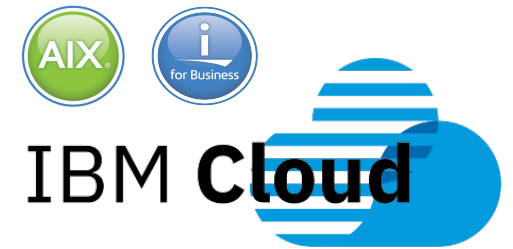
현재 어떤 위치에 있더라도 ... IBM은 고객이 가고자 하는 클라우드로 가도록 도울 것입니다.

- Cloud 워크샵 (Lab SVC)
- IBM Client Center 투어/데모
- PowerVC PoC
- Power Virtual Server Trial
- IBM Garage services
- Power Development Cloud

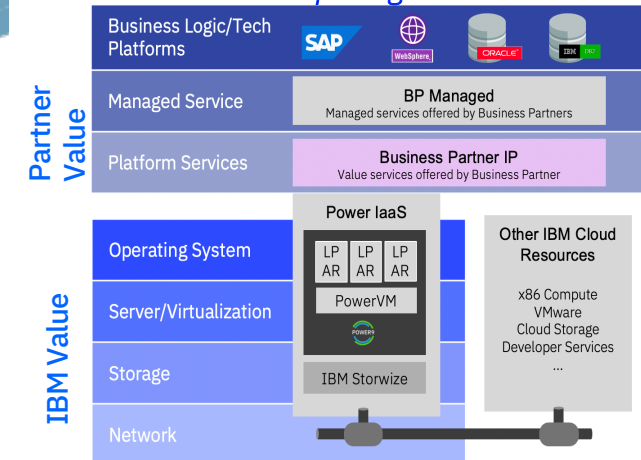
Power Virtual Server on IBM Cloud



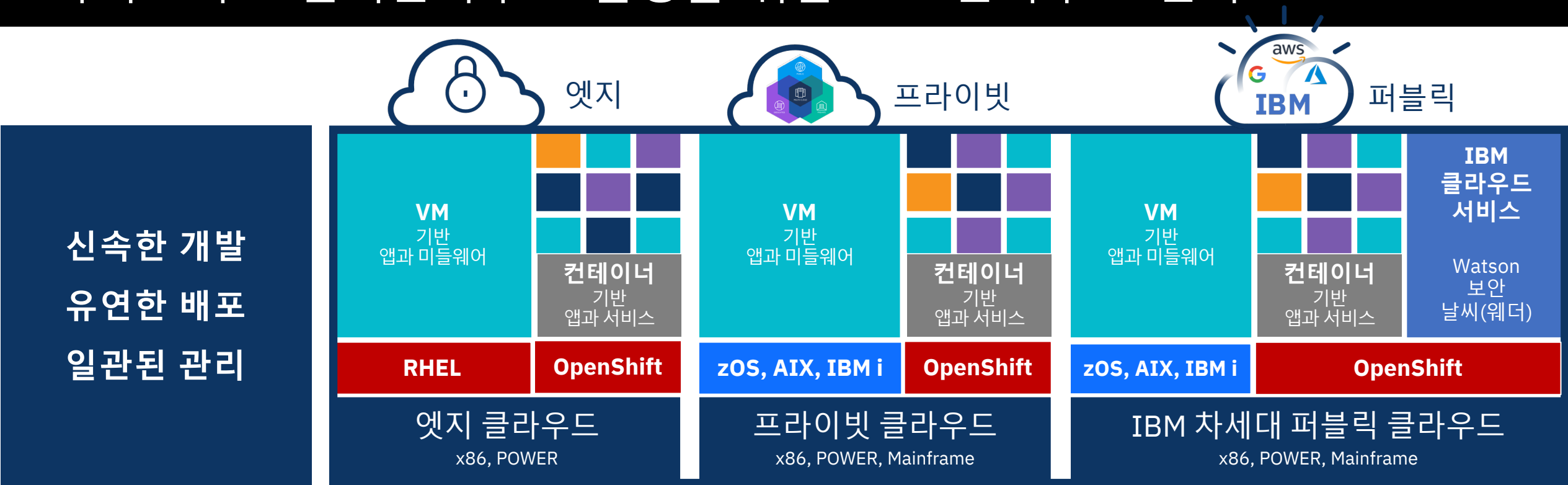
-  Power Virtual Server on IBM Cloud Data Center
-  2020 Data Center Roll Out Plan (*Tentative*)



*Multi-tenant, self-managed,
Power Infrastructure-as-a-Service in IBM
Cloud with consumption-based OPEX
pricing*



하이브리드 멀티클라우드 환경을 위한 IBM 클라우드 전략



엔터프라이즈급 인프라스트럭처 - 모든 종류의 앱 실행 가능
 오픈 소스 기반 - 특정 기술에 종속되지 않음
 안정성, 기능확장성, 용량확장성 - 고객 요구에 따라 성장
 멀티클라우드 지원 - 클라우드 간의 자유로운 이동



단일 대시보드로 모든 종류의 클러스터를 관리할 수 있습니다:
 에지, 프라이빗 (온-프레미스), 퍼블릭



IBM®



Red Hat

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