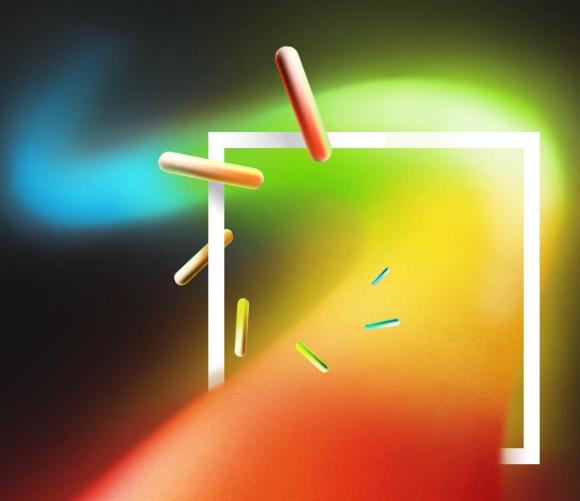


Microsoft Everywhere 2022



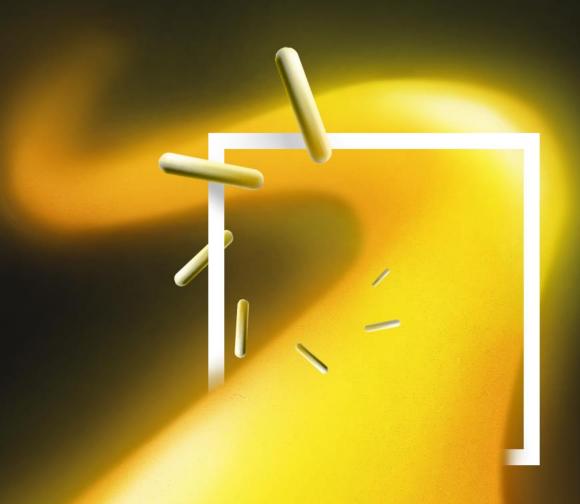


Microsoft Everywhere 2022

Series 4

Enable: 새로운 가능성을 만드는 개발

2022년 4월 27일(수) 오후 2시 - 6시





개발자에게 힘을, 데이터 전문가에게는 자유를, Azure Al

김영욱 MVP IT 스페셜리스트 / Hello Al 대표 youngwook@outlook.com

Microsoft Everywhere 2022

Series 4

Enable: 새로운 가능성을 만드는 개발



강사 프로필



약력

- Hello Al
- Microsoft Technical Evangelist Software Engineer Account Technology Strategist
- MCT(Microsoft Certificate Trainer)
- Microsoft MVP Azure MVP 2021 ASP.NET MVP 2006~2008
- 저서 '가장 빨리 만나는 챗봇 프로그래밍' 'War of IT' 출간 (지앤선 출판사)
- 웹 접근성 2.0 표준 자문위원
- 디지털 교과서 프로젝터 리더
- 한국방송통신대학교 출강(2020년)
- 인천재능대학교 출강(2021년)
- 국가과학기술인력개발원 KIRD 최우수강사 2018, 2020

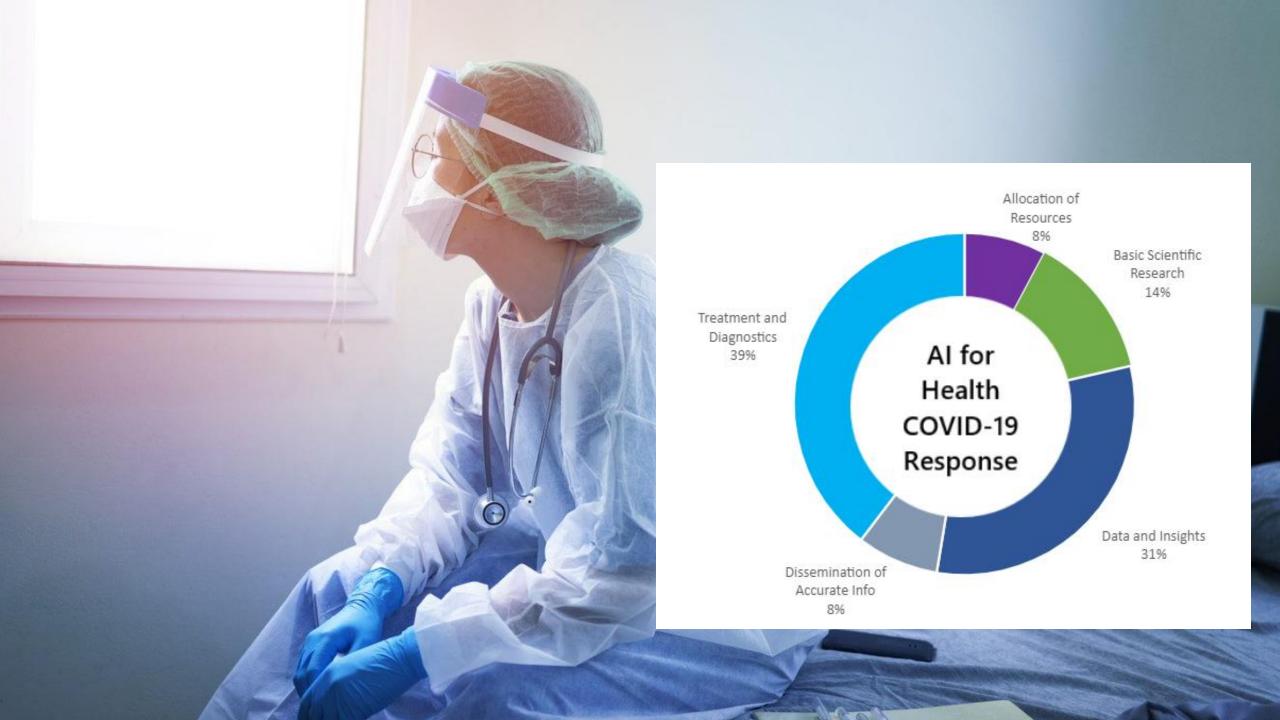




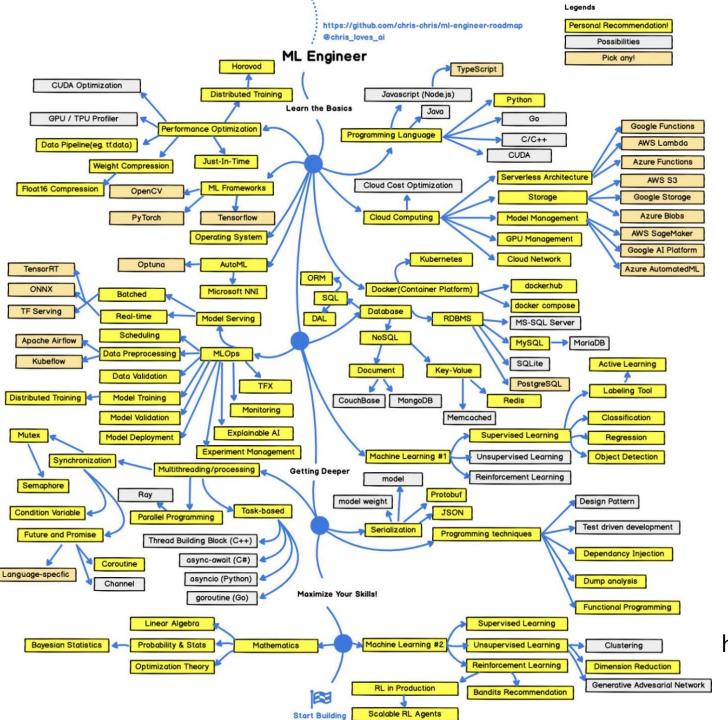




```
* @var boolean
*/
define('PSI_INTERNAL_XML', false);
if (version_compare("5.2", PHP_VERSION, ">")) {
    die("PHP 5.2 or greater is required!!!");
    die("phpSysInfo requires the pcre extension to php in order to work
   (!extension_loaded("pcre")) {
         properly.");
 require_once APP_ROOT.'/includes/av_loader.inc.php';
  require_once APP_ROOT.'/config.php';
 if (!defined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG')) {
      $tpl = new TempLate("/templates/html/error_config.html");
       echo $tpl->fetch();
                                                   11 · strtolower(
                                        it javascript
       die();
```

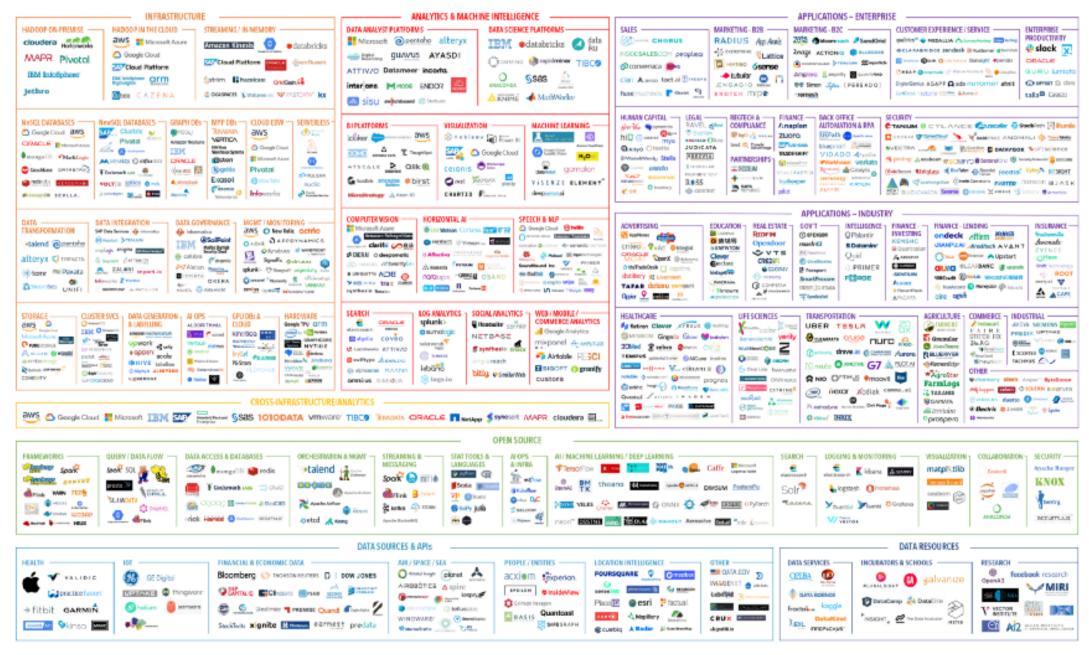


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                                       ut javascript
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```



https://www.kaggle.com/getting-started/174107

DATA & AI LANDSCAPE 2019



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       echo $tpl->fetch();
                                                   11 · strtolower(
                                       ... iavascript
       die();
```

Machine Learning on Azure

Domain Specific Pretrained Models

To reduce time to market

Familiar Data Science Tools

To simplify model development

Popular Frameworks

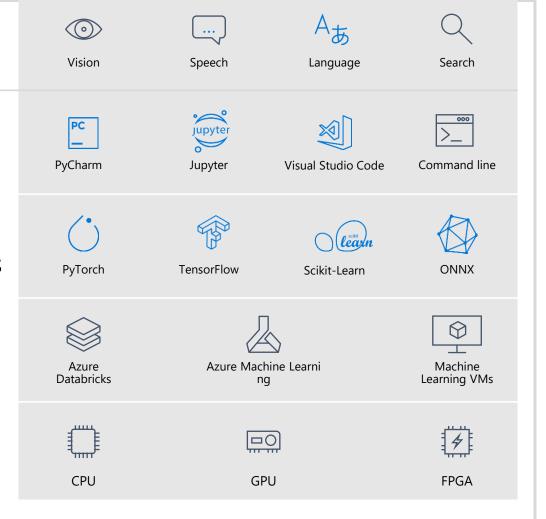
To build machine learning and deep learning solutions

Productive Services

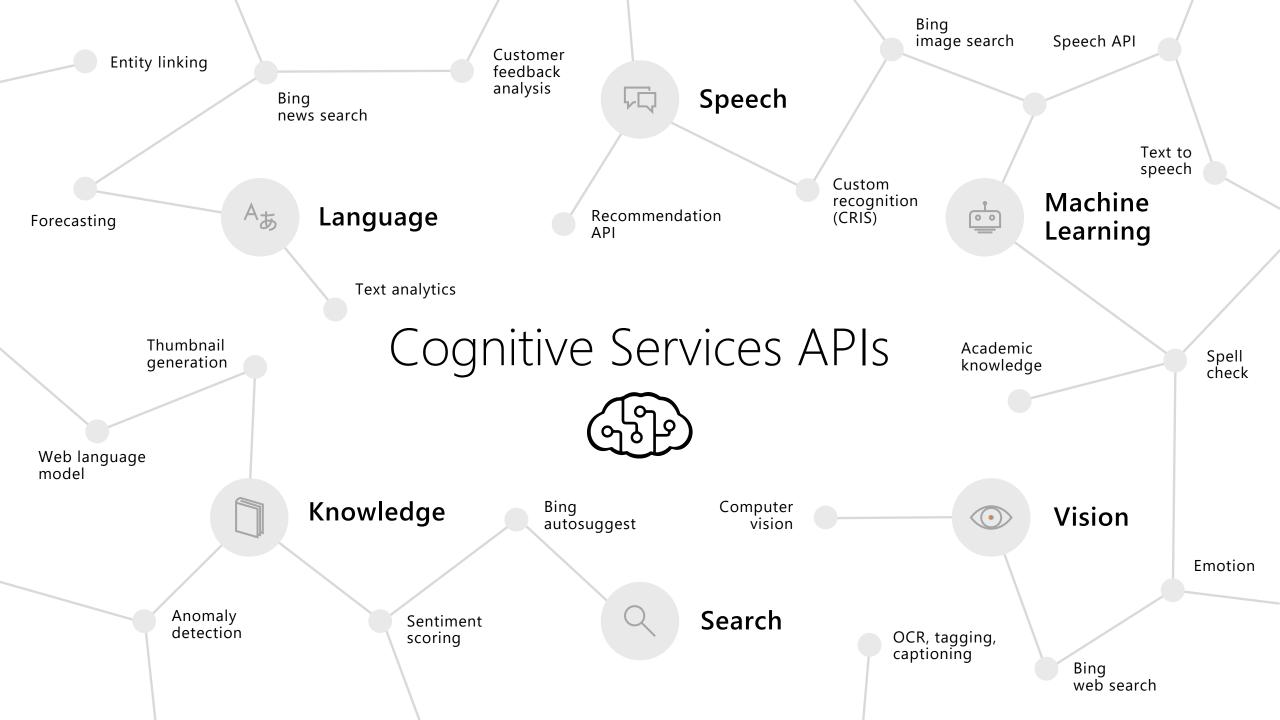
To empower data science and development teams

Powerful Hardware

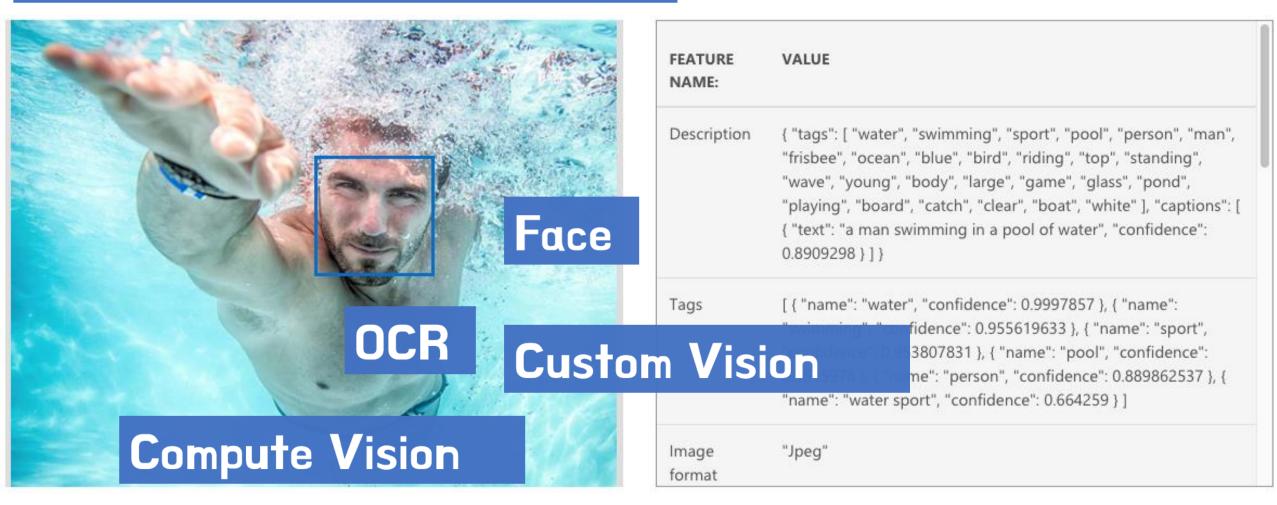
To accelerate deep learning



```
* @var boolean
*/
 define('PSI_INTERNAL_XML', false);
   if (version_compare("5.2", PHP_VERSION, ">")) {
                       die("PHP 5.2 or greater is required!!!");
                        (!extension_loaded("pcre")) {
die("phpSysInfo requires the pcre extension to php in order to work
properly.") | E T-O-T | C |
properly." | Letter | 
    if (!extension_loaded("pcre")) {
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Azure APP_ROOT. /config.php, config.php
          if (!defined('PSI_CONFIG_FILE') || !defined('PSI_DEBUG')) {
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                                    echo $tpl->fetch();
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                                      die();
```



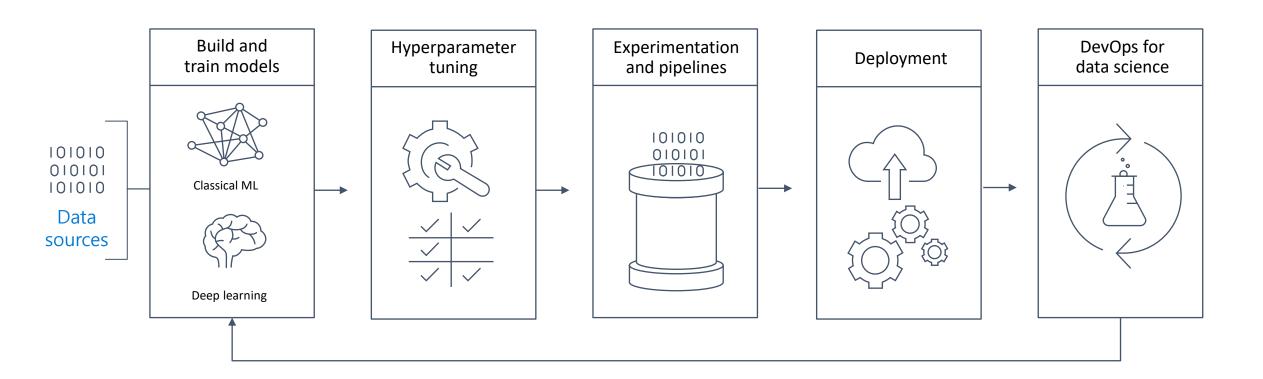
Compute Vision



Series 4 Enable: 새로운 가능성을 만드는 개발

```
* @var boolean
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      echo $tpl->fetch();
                                     11 · strtolower(
                            it javascript
       die();
```

Building blocks for a Data Science Project

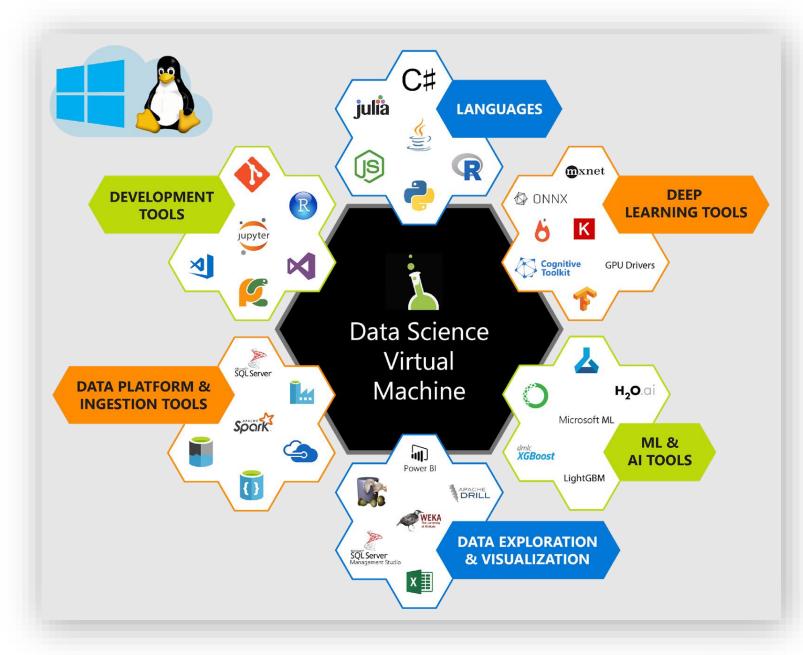


Series 4 Enable: 새로운 가능성을 만드는 개발

Data Science Virtual Machines (DSVM)

Pre-Configured environments in the cloud for Data Science & AI Modeling, Development & Deployment.

Samples to get started



Training Infrastructure



Dependencies and Containers

Leverage system-managed AML compute or bring your own compute



Distribute data

Manage and share resources across a workspace



Schedule jobs

Train at cloud scale using a framework of choice



Scale resources

Autoscale resources to only pay while running a job



Provision VM clusters

Use the latest NDv2 series VMs with the NVIDIA V100 GPUs

Powerful Infrastructure

Accelerate deep learning



CPUs

General purpose machine learning D, F, L, M, H Series



GPUs

Deep learning

N Series



FPGAs

Specialized hardware accelerated deep learning **Project Brainwave**

Optimized for flexibility

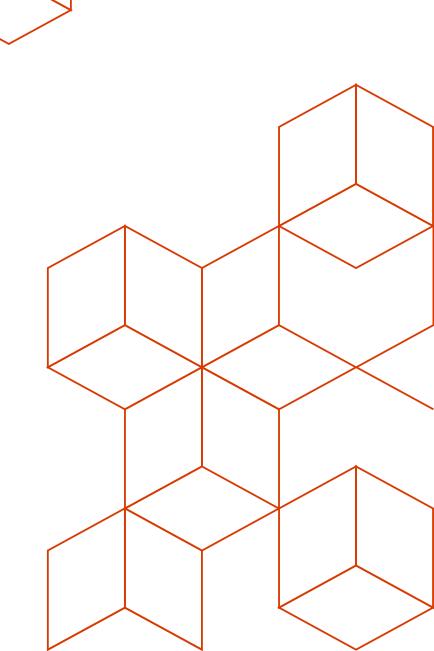
Optimized for performance



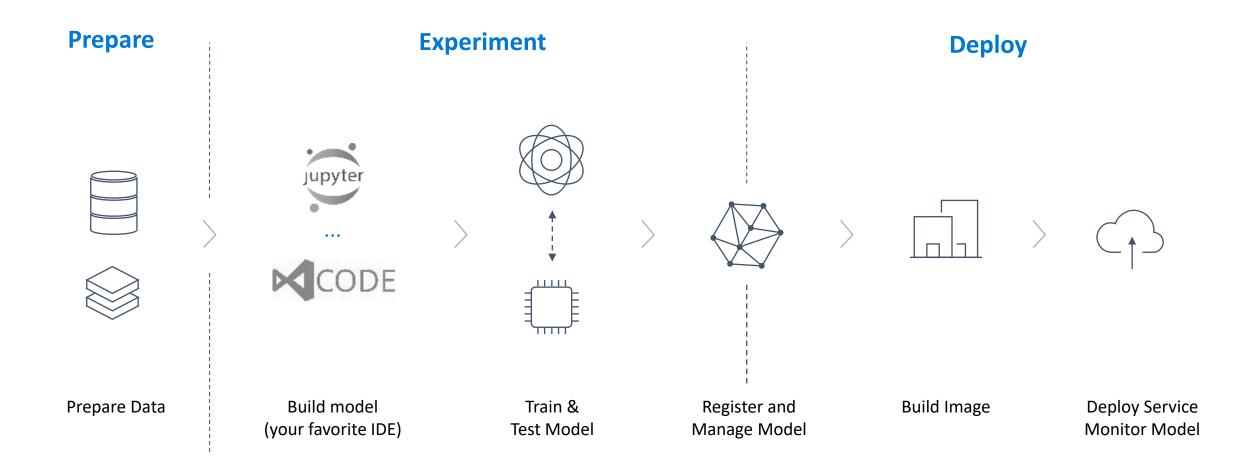
FPGA NEW UPDATES:

Support for image classification and recognition scenarios ResNet 50, ResNet 152, VGG-16, SSD-VGG, DenseNet-121

DevOps for Machine Learning

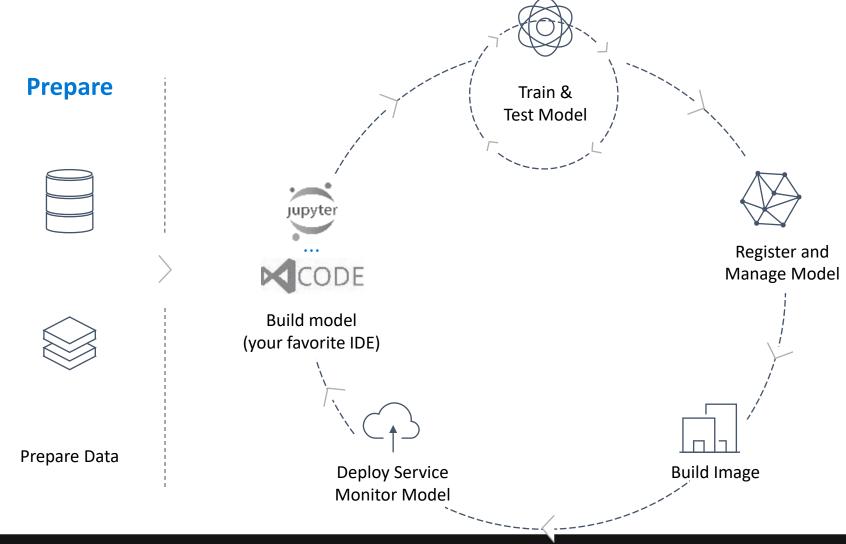


DevOps loop for data science



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DevOps loop for data science



Azure Machine Learning Pipelines

Prepare Data

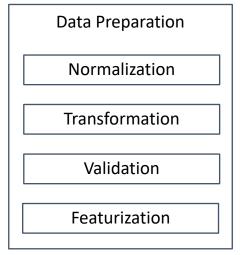
Build & Train Models

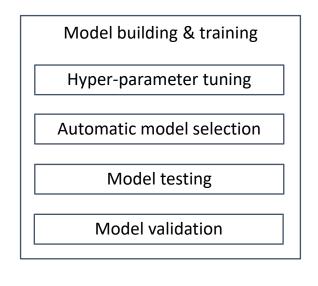
Deploy & Predict

Data ingestion



Data storage locations



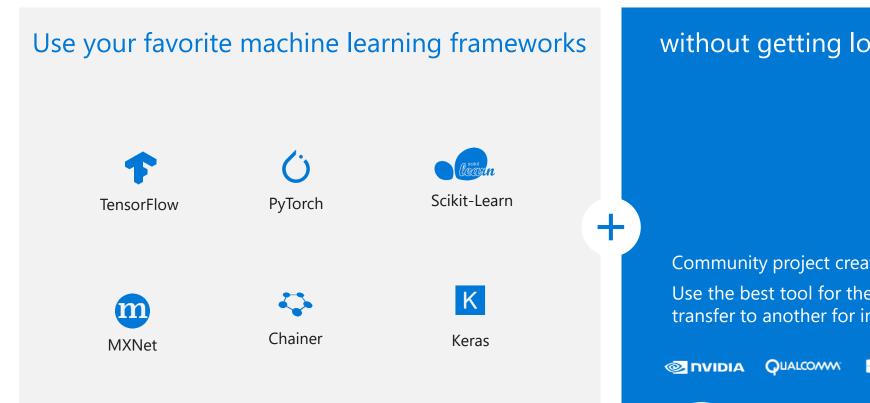


Model deployment

Deployment

Batch scoring

Popular Frameworks



without getting locked into one framework **ONNX** Community project created by Facebook and Microsoft Use the best tool for the job. Train in one framework and transfer to another for inference Windows vespa **♦** SOPHON skymizer ✓ MathWorks

• NETRON Visual DL



MLOps 101

Episode 0: 전체 주제 소개

한석진 마이크로소프트





















Korea Azure User Group 페이지의 그룹

Korea Azure User Group

♂ 공개 그룹 · 멤버 4.8천명

정보 토론 멘토십 추천 주제 이벤트 미디어 파일 사람



전체 공개 -그룹의 주요 '



<u>클릭 시 이동</u>



Korea Azure User Group

👛 가입함 ▼



김영욱님이 링크를 공유했습니다.

관리자 · 3월 5일 오후 2:57 · 🕙

Microsoft Azure의 다섯번째 리즌이 중국에 생긴다고 합니다. Microsoft는 2012년 파트너 21ViaNet을 통해 중국에서 Azure를 제공하기 시 작했는데 Microsoft 관계자는 회사가 2022년에 Azure 가용성 영역, Azure Arc 다중 클라우드 관리 및 데이터 거버넌스 솔루션인 Azure Purview를 포함 하여 중국에서 다수의 Azure 서비스를 제공할 계획이라고 합니다.



ZDNET.COM

Microsoft adds its fifth Azure cloud region in China | ZDNet

정보

Azure 클라우드 플랫 론하고 학습하는 사용: 핸즈온랩을 열고 있습

- ♂ 공개 누구나 그룹 멤버
- ♥ 대한민국
- 👛 일반

이 그룹의 주제 🚯

#정보공유 ★ 관리자가 고정함・게/

#**질문과답변** ★ 과리자가 고정한 • 게/

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Jankyour!

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