

Microsoft Azure

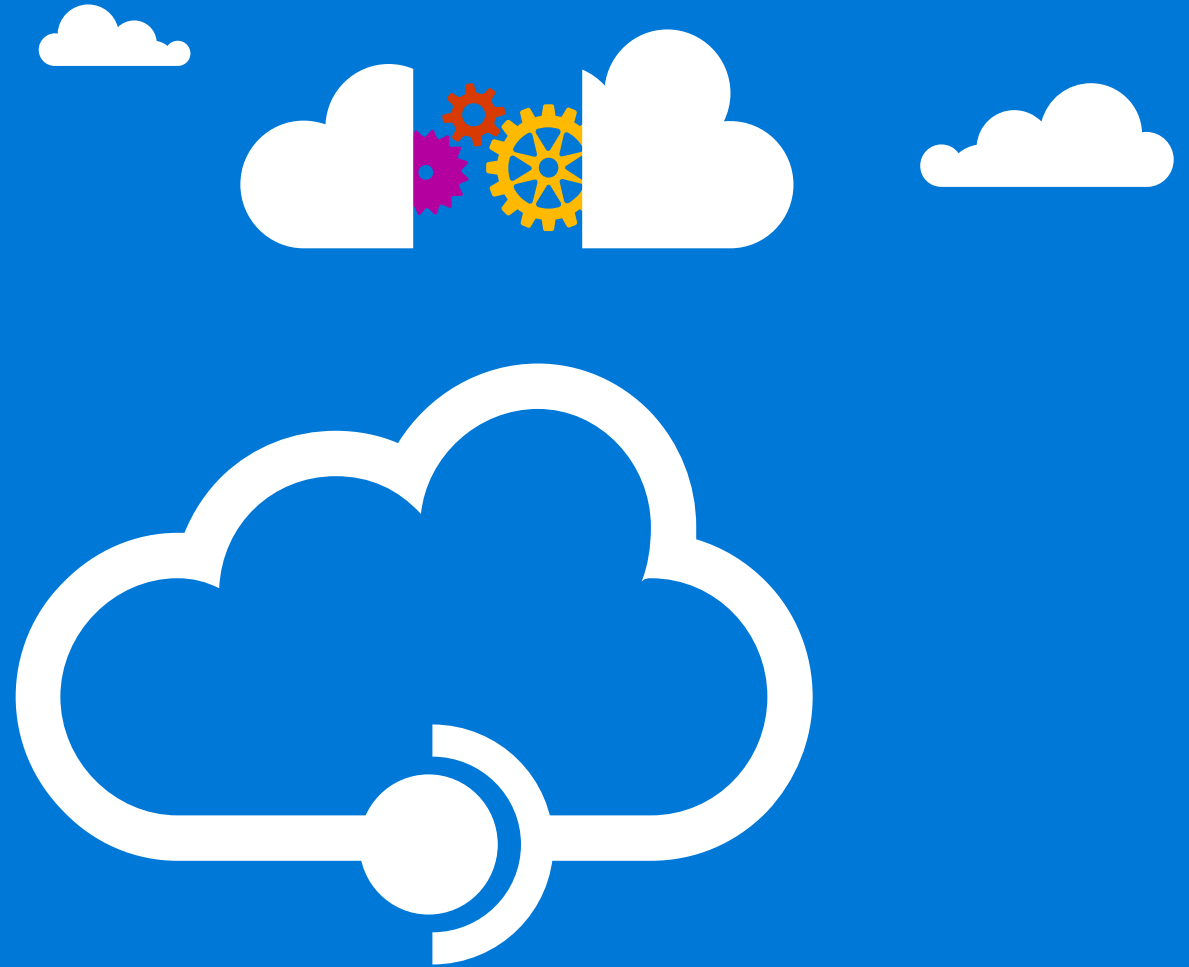
The cloud platform
built for business

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Microsoft France



Why the Cloud?

- Rapidly setup environments to drive business priorities
- Scale to meet peak demands
- Increase efficiency and reduced cost.

Speed



Scale



Economics



What is Microsoft Azure?

- An open and flexible cloud platform
- Rapidly build, deploy and manage secure applications to scale
- Leverage current skills and the world's most popular languages, tools, and frameworks
- Deploy applications on our secure and reliable global datacenter network or your own on-premise datacenter



Microsoft Azure: Hyperscale Infrastructure

Anywhere access, scalability, economies of scale and automation



38

Azure regions

More than AWS and Google combined

150+ datacenters

One of the top 3 networks in the world

2x AWS, 7x Google DC regions

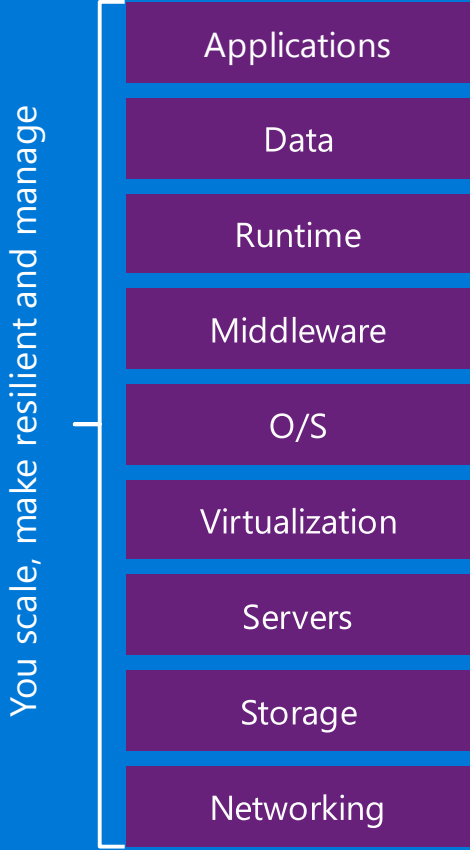
G Series – largest VMs in world, 32 cores, 448 GB RAM, SSD...

N Series – VMs with GPUs

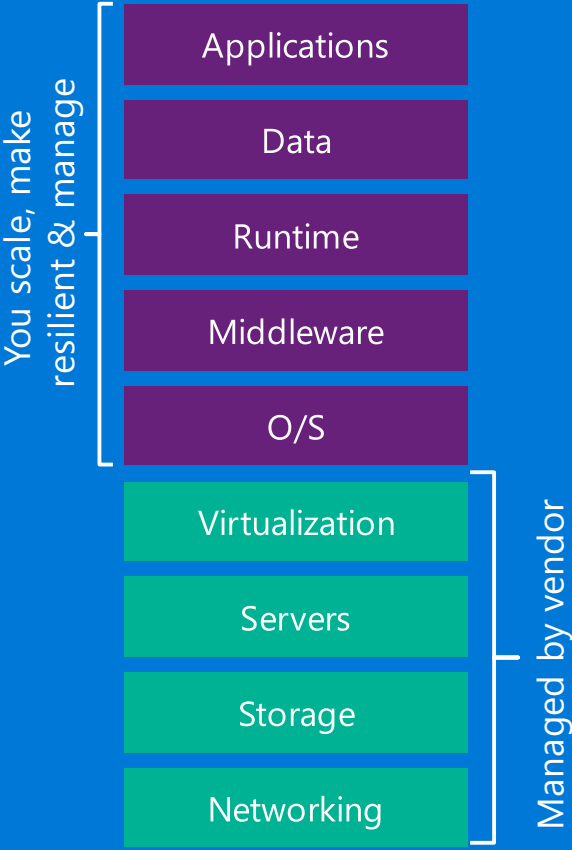
On Prem - IaaS - PaaS - SaaS

Hosting models

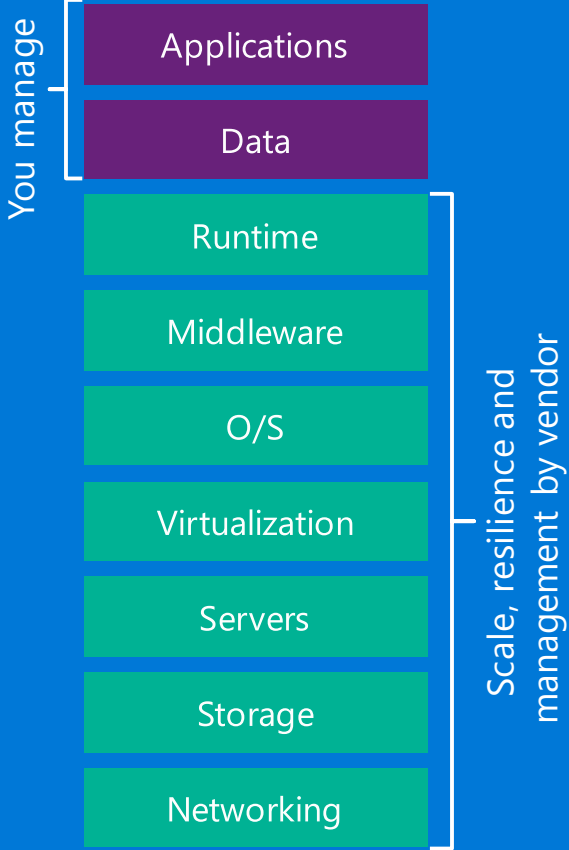
On Premises (Private Datacenter)



Infrastructure (as a Service)

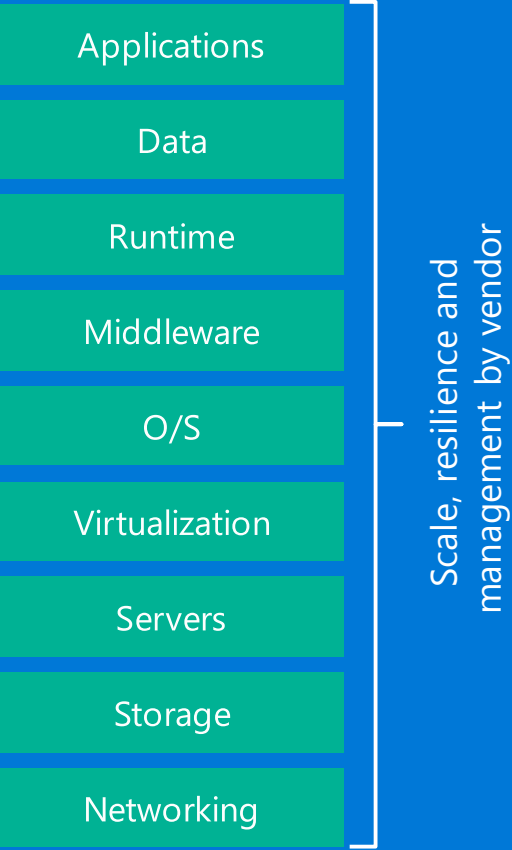


Platform (as a Service)

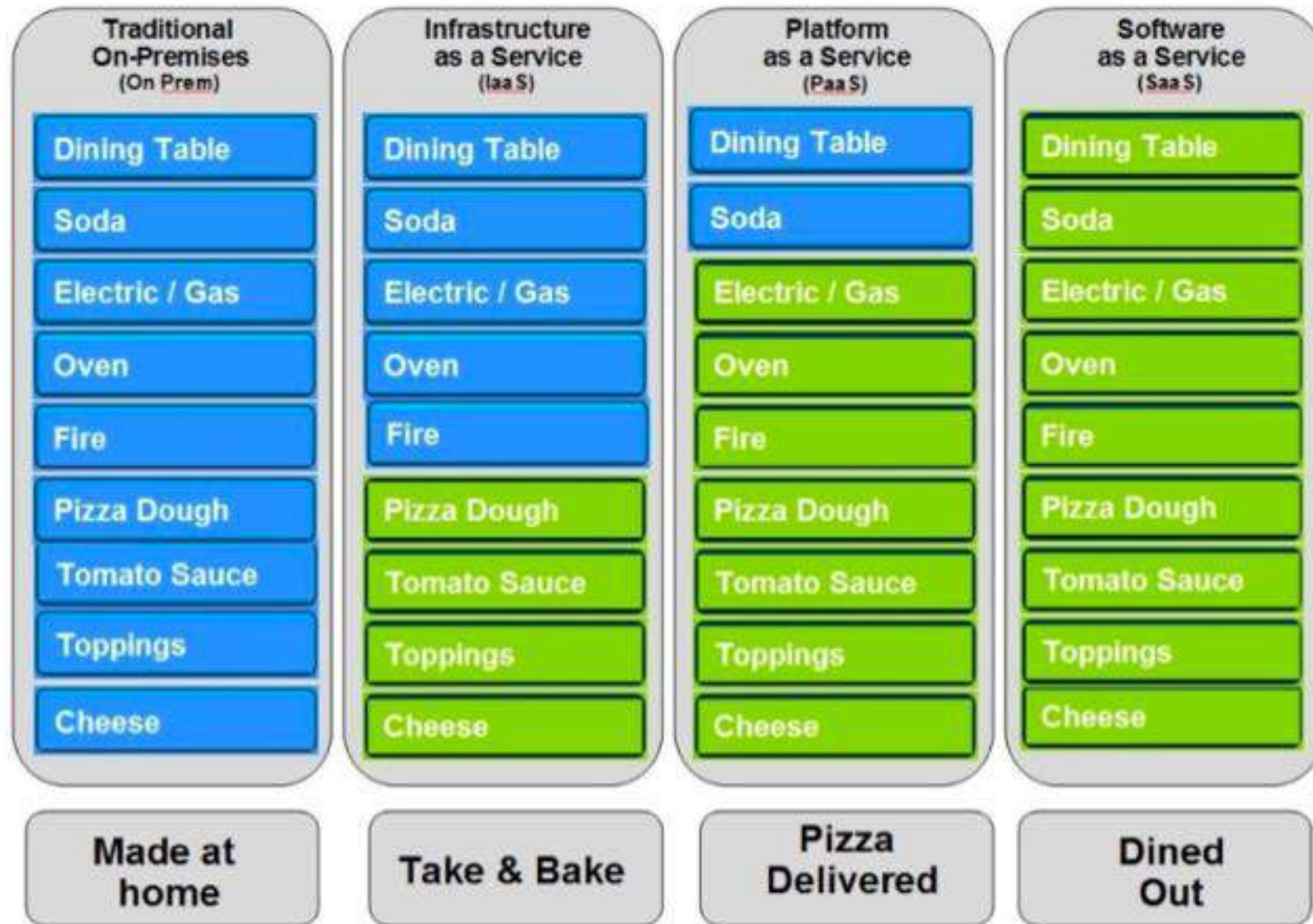


Business model

Software (as a Service)



Pizza as a Service

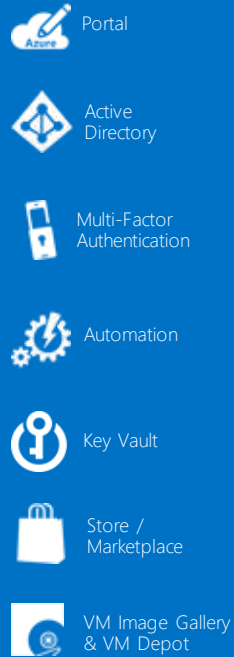


■ You Manage ■ Vendor Manages

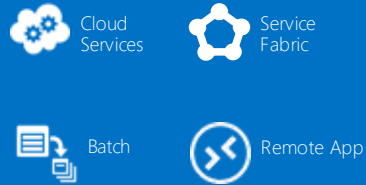
Source: "Pizza as a service"

Microsoft Azure - Platform Services

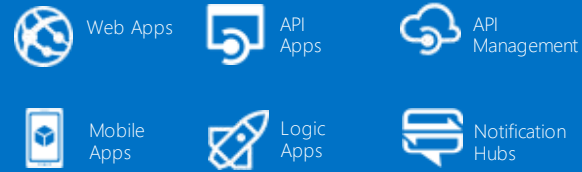
Security & Management



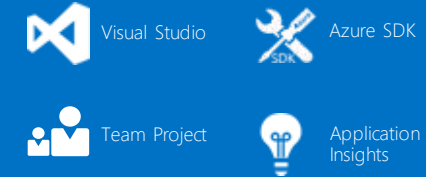
Compute



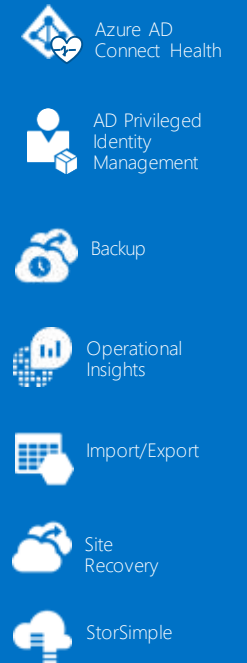
Web and Mobile



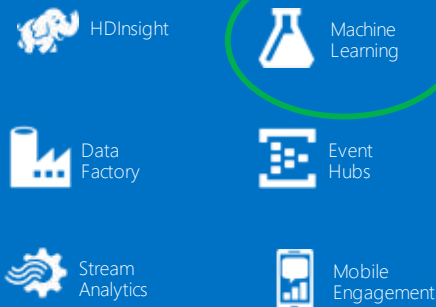
Developer Services



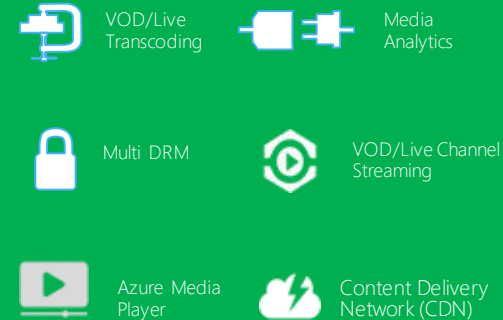
Hybrid Operations



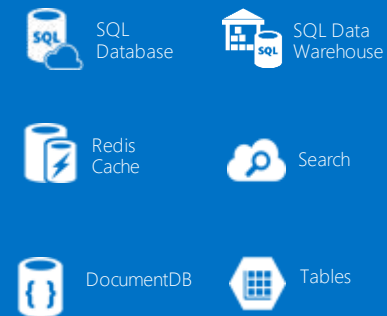
Analytics & IoT



Media & CDN



Data



Infrastructure Services

Compute



Storage



Networking



Datacenter Infrastructure (38 Regions, 32 Online)



What do we mean by Azure Media Services?

Scalable components for
building custom media
workflows in the cloud



Cloud Upload
& Storage



Encoding
&
Media Analytics



Content
Protection



Live & On Demand
Streaming
with integrated CDN



Player
Clients

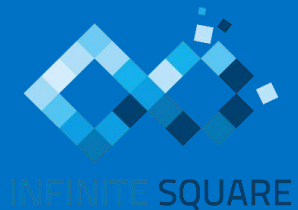
Microsoft Azure



Plus a growing
ecosystem of value-add
third party partner
components



Enhance capabilities with global & local partners...



... et les Startups

Microsoft rejoint Station F pour favoriser l'émergence de champions français de l'intelligence artificielle

Posted 20/06/2017 Par Ariane Sales-Joannic



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Issy-Les-Moulineaux, 20 juin 2017 – Partenaire de l'écosystème innovant en France depuis plus de 30 ans, Microsoft France annonce aujourd'hui s'associer à Station F, le plus grand campus de start-ups au monde. Un choix évident pour Microsoft France qui poursuit ainsi son accompagnement des start-ups démarré en France il y a plus de dix ans. Avec

...to deliver deliver globally



- 7 global broadcasters using AMS for full streaming coverage of Olympic games
- Each saw an average 37% increase in viewership over previous Olympics
- 250 million minutes viewed, 700K mobile app downloads seen by FranceTV

Rio 2016 by the Numbers



16 days of events, **2007** separate events streaming and recorded

3.3 billion minutes of live HD streaming, double the 2014 Sochi games (which was triple than 2010 Vancouver games)

505 live streaming channels, **45 million** hours of AMS produced content

1.01 PB data served from Media Services Endpoints, **2 billion** HTTP requests served

7 Azure regional datacenters used by customers for primary and secondary processing

100 million online viewers, **519k** watched Michael Phelps on Day 4,
15% of all traffic was VOD watching full replays

Azure Media Scenarios...

Cloud based Video Streaming

Video On-Demand Portals

- Sports
- Entertainment
- Education
- News

Live Broadcast & Events

- Sports Broadcasters
- News Channels
- Music Concerts
- Awards Ceremonies
- Town Halls / Conferences

Industry

- Retail
- Finance / Banking
- Health
- Education

Media Analytics - Examples

Transcription / Archive (Speech to Text, Printed Text)

- Call Centers audio log processing
- Meta data extraction for content
- News Clips, Video Search

Monitoring & Surveillance (Motion & Face detection, Redaction)

- Video processing – body cams, security cams
- Evidence gathering for law enforcement

Scalable content delivery

- Websites
- Mobile Apps
- Advertsing
- Digital Marketing
- Global Software updates
 - Firmware
 - Software
 - Gaming

... enable new scenarios :Media Analytics / Video AI

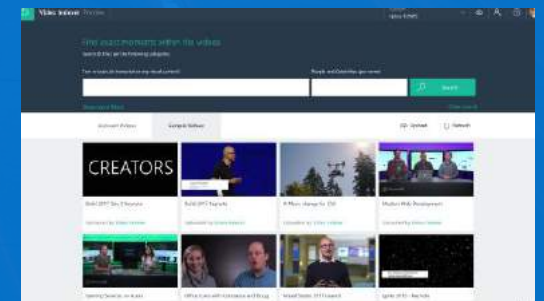
It's all about Enhancing Content

Make all Video and Audio files truly Searchable

Creating a database of rich metadata pulled directly out of the video and audio content itself

Powerful new media processors:

- ✓ **Multi-Language Speech-to-Text**
- ✓ **Facial and Emotion Detection & Facial Redaction**
- ✓ **Video Motion Detection, Stabilization, and Acceleration**
- ✓ **Object and Character Recognition (OCR)**
- ✓ **Automated Video Summarization**
- ✓ **Adult Content Detection**



Azure Marketplace

Microsoft Azure

Why Azure Solutions Products Documentation Pricing Training Marketplace Partners Blog Resources Support

Azure Marketplace Browse Sell Learn

Search Marketplace

Sign in

Product Category

Media services ✕

Reset filters

Compute

Networking

Storage

Web + Mobile >

☐ Web Apps

☒ Media services

☐ Mobile Apps

☐ Blogs + CMSs

☐ Starter web apps

☐ Ecommerce

☐ Add-ons

☐ Web app frameworks

Databases

Intelligence + analytics

Internet of Things

Enterprise Integration

Security + Identity

Developer tools

Monitoring + Management

Add-ons

Containers


Blockchain


Azure Active Directory apps


Refine


Trials


Product results (170)


**Minecraft server**
By msftstack
Deploy a Minecraft server running on Ubuntu. Customize your world at deployment time.
Price varies
Get it now


**WordPress Multi-Tier**
By Bitnami
WordPress Multi-Tier deployment for production environments.
Price varies
Get it now


**Aspera Server On Demand**
By Aspera, Inc, an IBM company
Transfer files to and from Azure BLOB or Office 365 up to 100x faster than TCP or FTP
Software plans start at Free
Get it now


**Digital Asset Management**
By FotoWare
FotoWare's Digital Asset Management System keeps track of all your videos, images and documents
Bring your own license
Get it now


**OpenIdeas - Open source Innovation Management**
By Linnovate Technologies Ltd.
OpenIdeas - Open source Innovation Management
Software plans start at 0,10 \$/hour
Free software trial

**Wowza Streaming Engine**
By Wowza Media Systems, LLC
Wowza Streaming Engine™ is media server software that powers streaming to any device, anywhere.
Trials

**Open edX**
By Bitnami
Large-scale digital course delivery

**LiveArena® Broadcast™**
By LiveArena
All you need to start your own TV-channel

**Hive Streaming**
By Hive Streaming
Hive Streaming provides solutions for video distribution with unsurpassed quality and efficiency

**Moodle Multi-Tier**
By Bitnami
Moodle Multi-Tier deployment for production environments.

Azure compliance audits and certifications

Global



ISO/IEC 27001



SOC 1



SOC 2



PCI DSS L1 version 3



Cloud Security Alliance
Cloud Security Matrix



ISO / IEC 27018

United States



FedRAMP



HIPAA
(Healthcare)



FIPS 140-2



Life Sciences GxP



Family Educational Rights
& Privacy Act

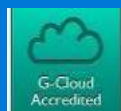


Motion Picture
Association

Regional



European Union
Model Clause



United Kingdom
G-Cloud



China
Multi Layer Protection
Scheme



China
CCCPF



Singapore
Multi-Tier Cloud
Security



Australian Signals
Directorate I-RAP
Assessment

Coming soon



Sarbanes Oxley



Criminal Justice
Information System



Defense Information
Systems Agency L2



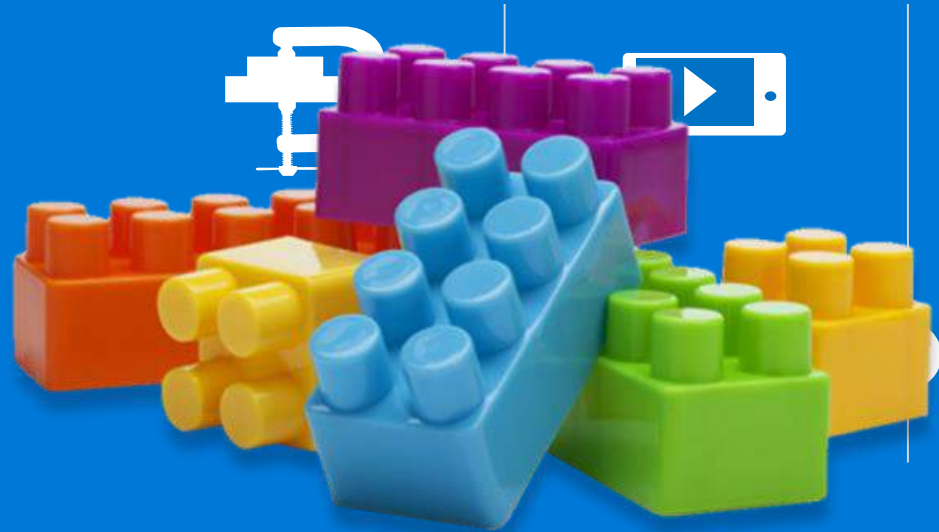
ITAR



Defense Information
Systems Agency L3-5

Azure Media Services

Scalable components for cloud media workflows



Merci !