Windows Azure Update

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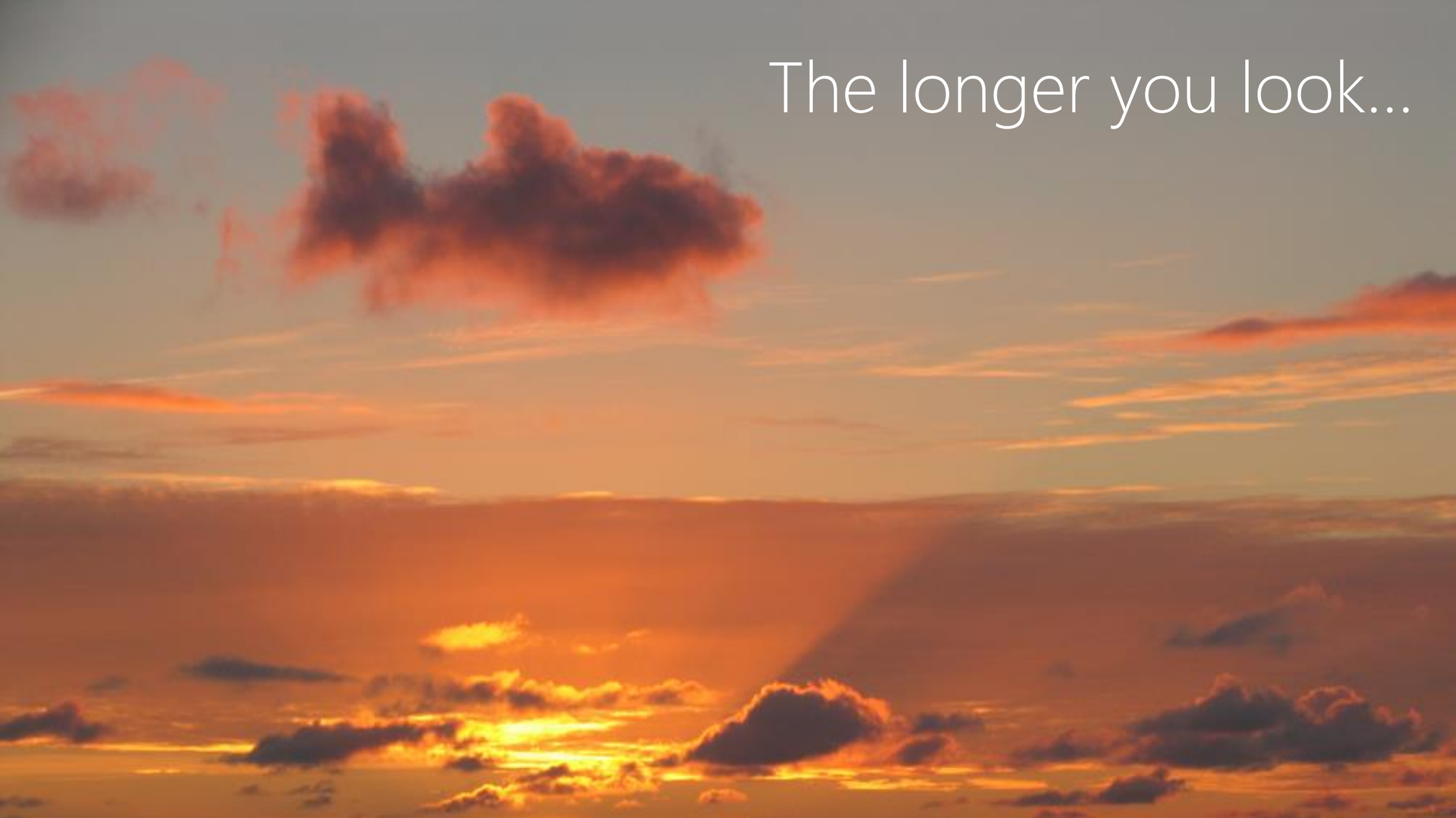
Azurehead
@valeryjacobs


The longer you look...

The longer you look...

The more you see...

The more you (wanna?) see...

Many faces of Windows Azure

VM's

Notifications

Web Sites

Storage

Access Control

Mobile Services

BizTalk Services

Identity

Networking

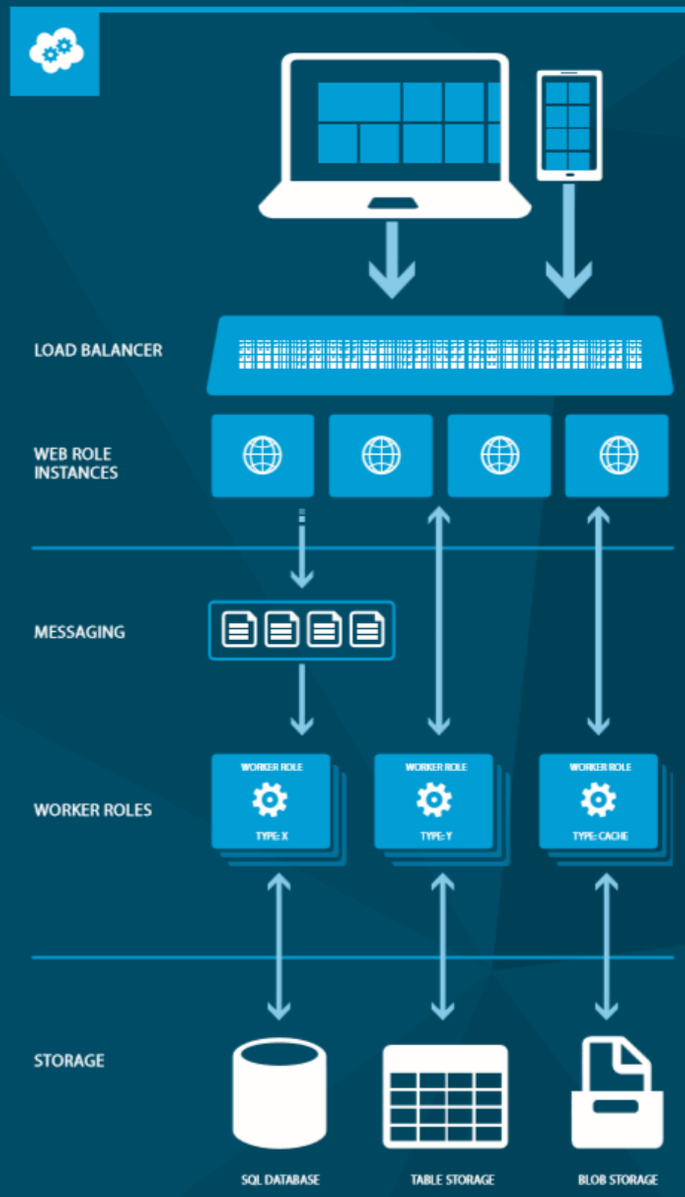
Media Services

SQL Database

Access Control

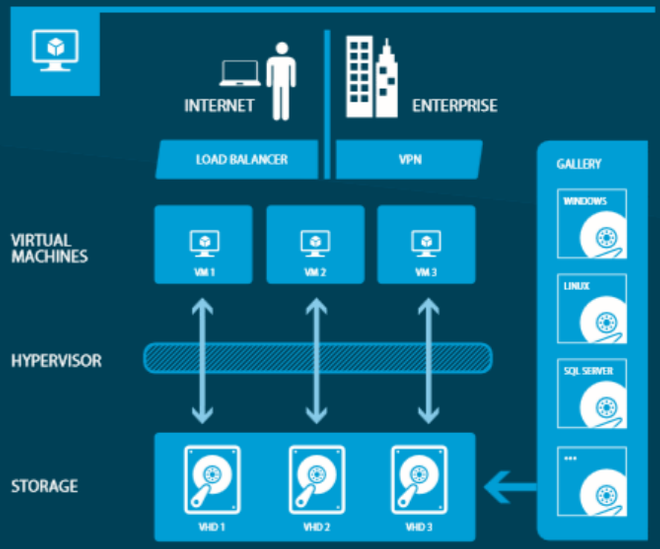
Service Bus

CLOUD SERVICES



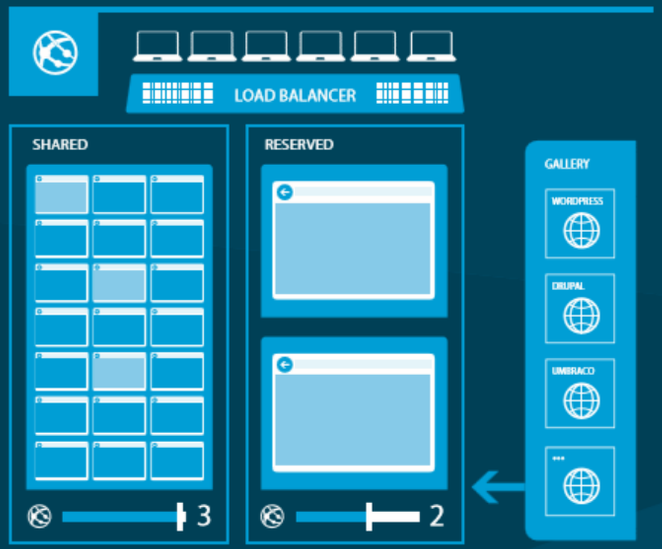
Cloud Services consist of Internet facing Web roles and Worker roles that run background tasks. Web roles can offload computing jobs to Worker roles and can distribute work via queues to scalable pools of Worker roles. All roles can access data stores or other services.

VIRTUAL MACHINES



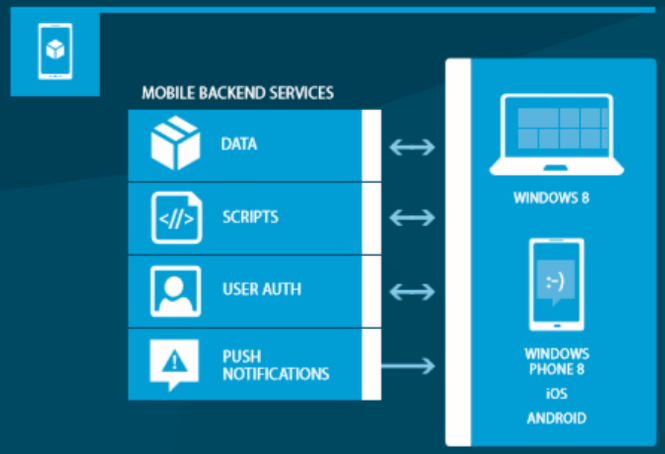
Virtual Machines can run both Windows and Linux operating systems. Create VMs from Virtual Hard Disk images stored as blobs. Create VHDs locally and upload them, choose from a stock gallery or modify a running VM and save the image to your personal gallery.

WEB SITES



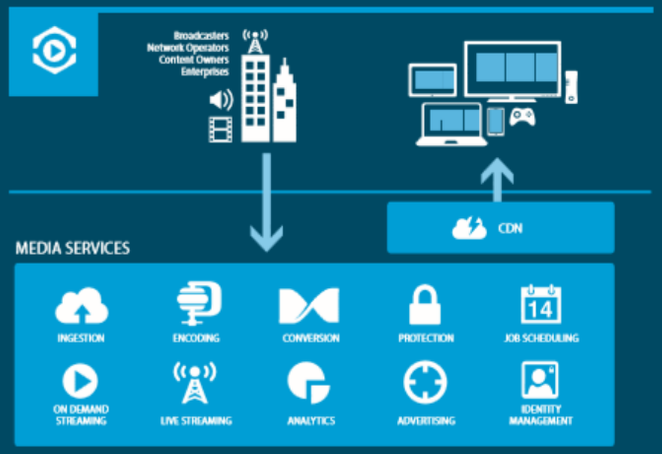
With Web Sites, you can share space in a VM or reserve an entire machine for your web site. You can create sites with both SQL Database and MySQL databases, as well as deploy popular open source software from a gallery. You can use the slider on the Windows Azure portal to scale out to more instances.

MOBILE SERVICES



Mobile Services is a turnkey backend solution running on Windows Azure servers that offers functions such as saving data, querying, managing identity and pushing notifications to phone. Additionally, you can run scripts on the server to execute custom logic when doing CRUD operations.

MEDIA SERVICES



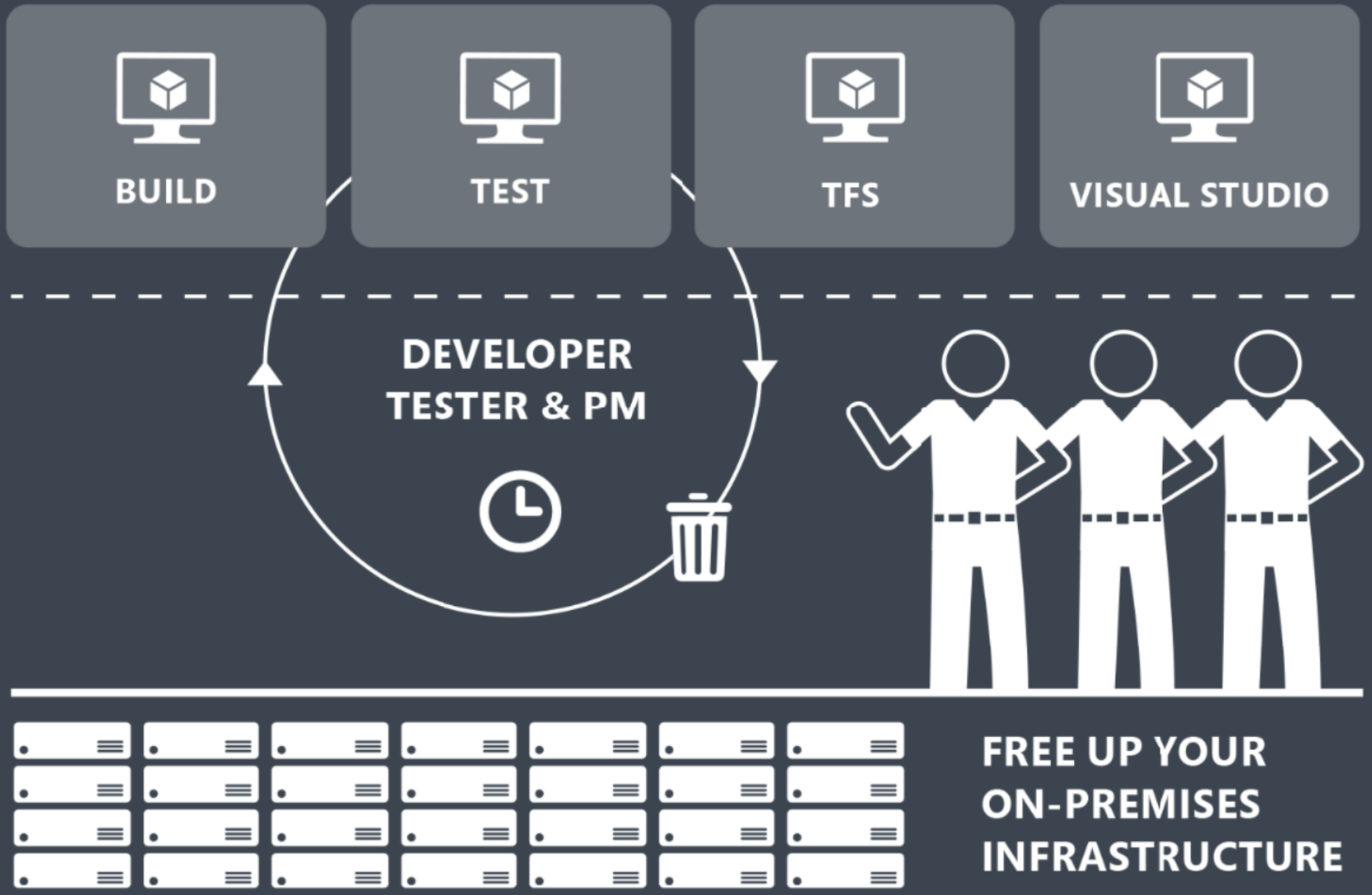
Media Services provide a selection of services for encoding and protecting streaming media such as videos and music. Drop off your high-resolution source content and convert it to multiple bit rates for playback on a variety of devices. Stream to HD, DVD and phones.

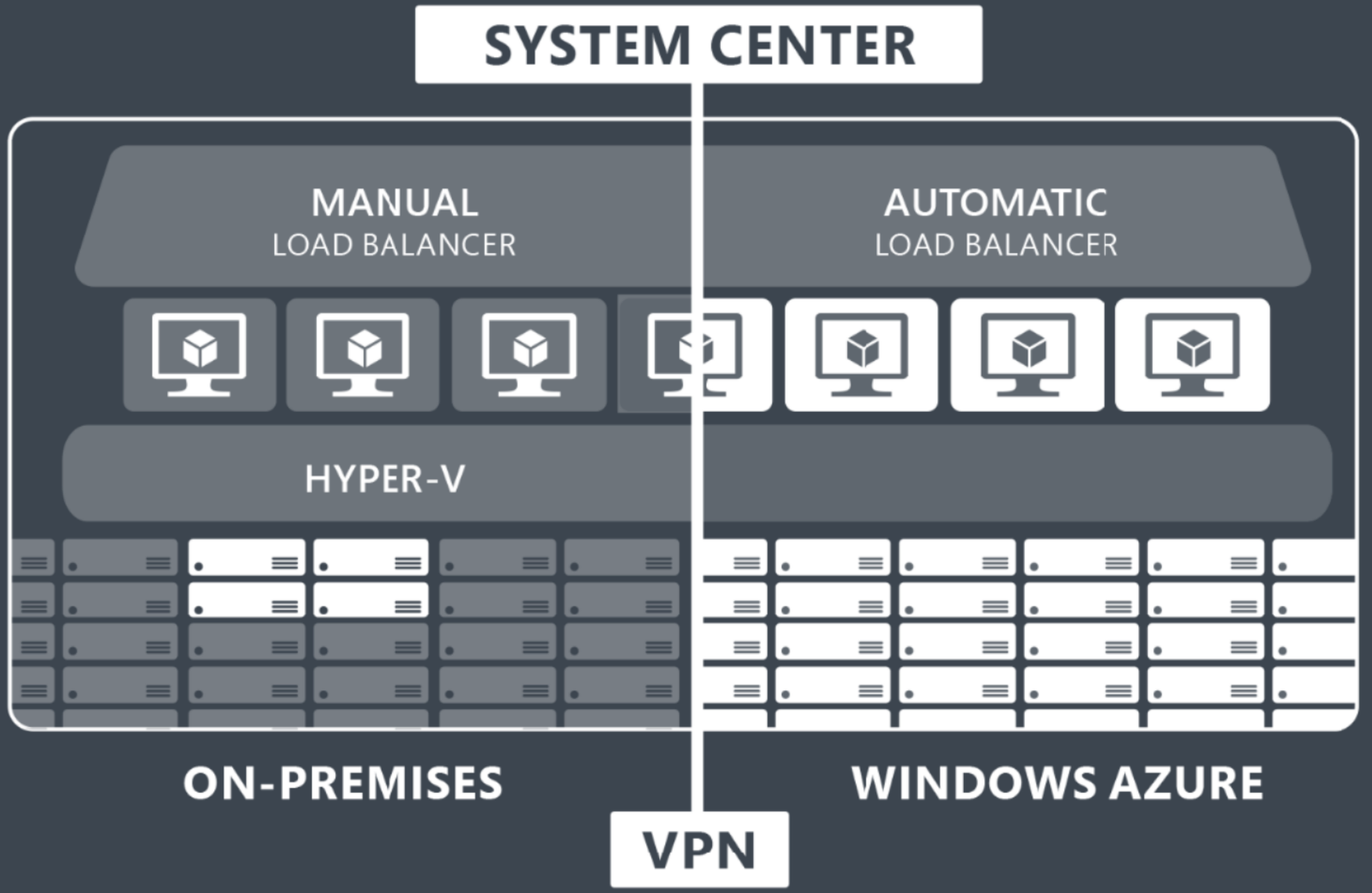
CUSTOM
GALLERY
VMDEPOT

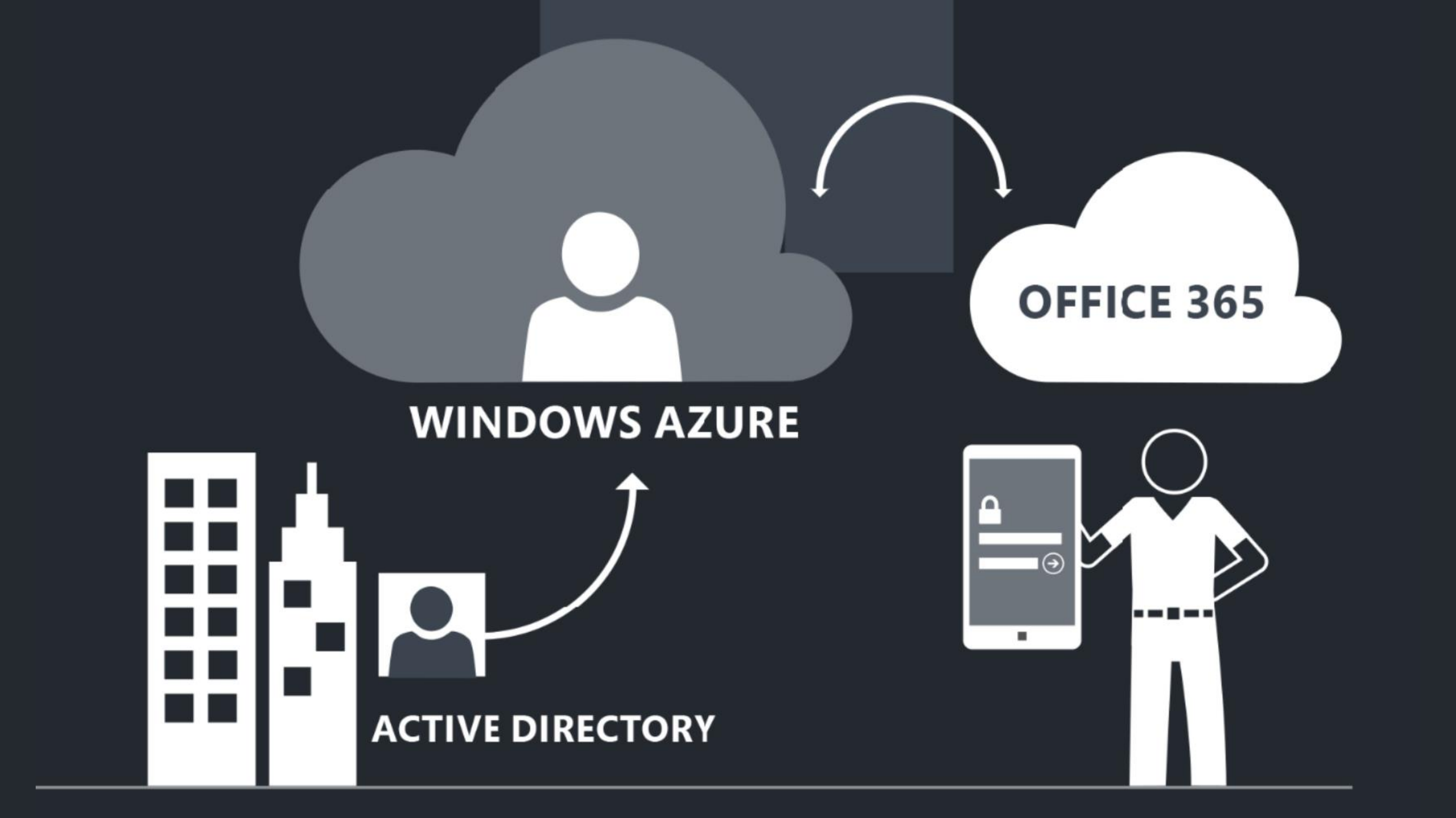
VIRTUAL
MACHINES

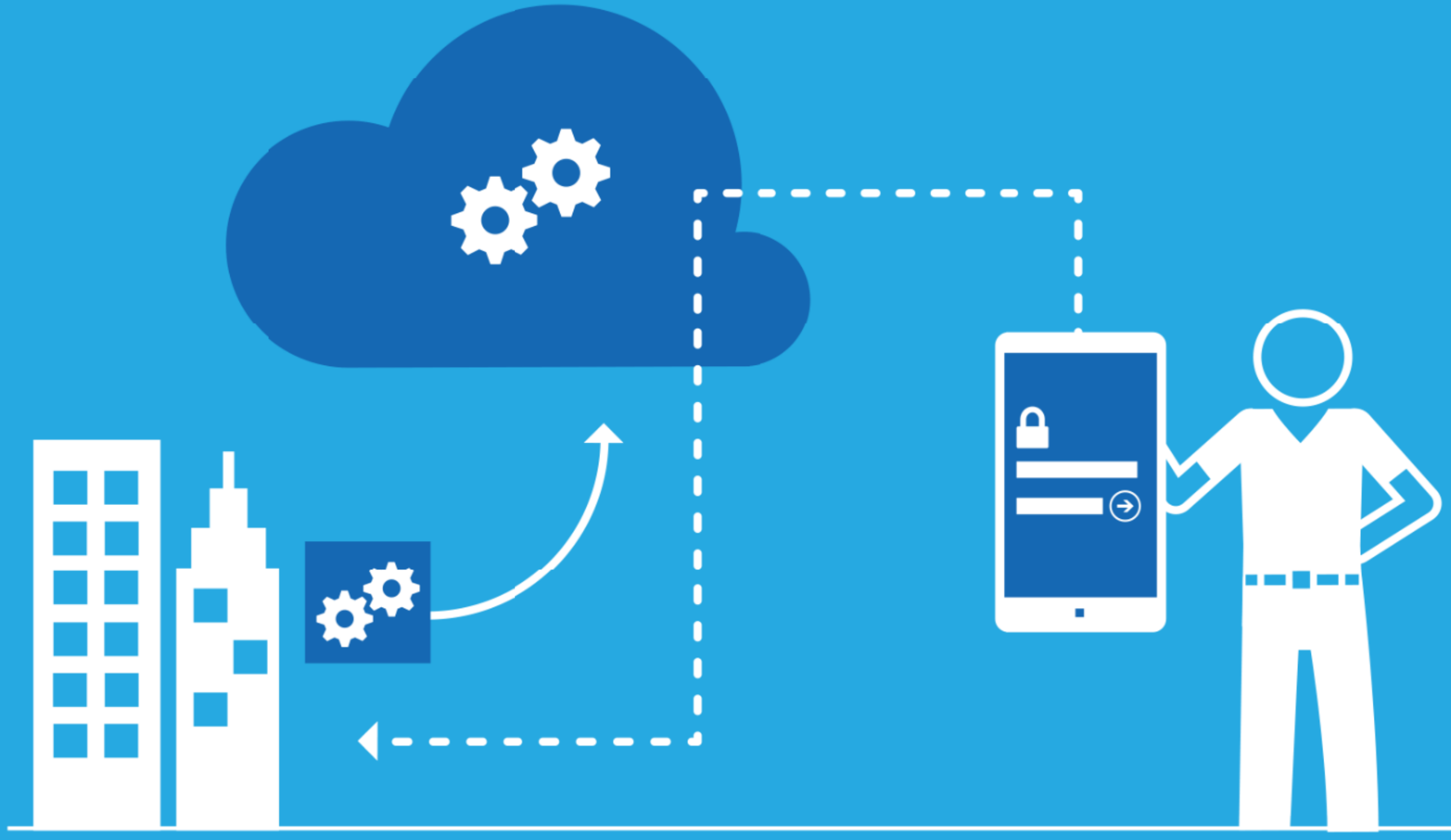
VHD

DEVELOPER
+
IT PRO
=
ENTERPRISE


BUILD
TEST
TFS
VISUAL STUDIO
DEVELOPER
TESTER & PM
FREE UP YOUR
ON-PREMISES
INFRASTRUCTURE


SYSTEM CENTER
MANUAL
LOAD BALANCER
AUTOMATIC
LOAD BALANCER
HYPER-V
ON-PREMISES
WINDOWS AZURE
VPN


OFFICE 365
WINDOWS AZURE
ACTIVE DIRECTORY



What’s new?
What has improved?
What got cheaper?

Cost savings!

MSDN Licenses

Pay per minute

Off = free

Monetary credit

MSDN Credits

Try Azure and WIN!!

Web sites

SSL Support (SNI of IP based)

Scale per site

Memory dumps

64 bit

Free 20MB DB

Mobile Services

Custom API support (.NET support coming…)

GIT

Free 20MB DB

Android Push Notification Broadcast

SQL Database

Automated DB exports

Premium Tier (Preview)

Traffic Manager

Control Network Traffic

Multi region

Auto optimized routing tables

BizTalk Services

- B2B
- EAI
- Bridges
- Multi tenant
- Auto managed
- Extensible

PARTNERS 0
AGREEMENTS 0
BRIDGES 1
RESOURCES
TRACKING

tracking

MESSAGES PROTOCOL BATCHING

search: Search

ENDPOINT URL	REQUEST ID	TRACK ID	EVENT	ACTIVITY INFORMATION	DATE TIME
/calculatorservice	0d798561-b14f-4	0d798561-b14f-4		Route : Route	7/10/2013 11:11:43 AM
/calculatorservice	e02eb3eb-63a5-4	e02eb3eb-63a5-4		Route : Route	7/10/2013 11:10:06 AM
/calculatorservice	4126f47f-2ac1-4	4126f47f-2ac1-4		Route : Route	7/5/2013 5:20:28 PM
/calculatorservice	d0a28151-60d6-4	d0a28151-60d6-4		Route : Route	7/5/2013 5:20:19 PM
/calculatorservice	4bf4ddc2-c51c-4	4bf4ddc2-c51c-4		Route : Route	7/5/2013 2:54:14 PM
/calculatorservice	1de4d44b-11af-4	1de4d44b-11af-4		Route : Route	7/5/2013 2:39:42 PM
/calculatorservice	c420404c-c97e-4	c420404c-c97e-4		Route : Route	7/5/2013 2:39:16 PM
/calculatorservice	c3dac649-5a93-4	c3dac649-5a93-4		Route : Route	7/5/2013 2:38:58 PM
/calculatorservice	127f4a4b-d1c6-4	127f4a4b-d1c6-4		Route : Route	7/5/2013 2:29:41 PM
/calculatorservice	734d0172-b7c2-4	734d0172-b7c2-4		Route : Route	7/5/2013 2:29:02 PM
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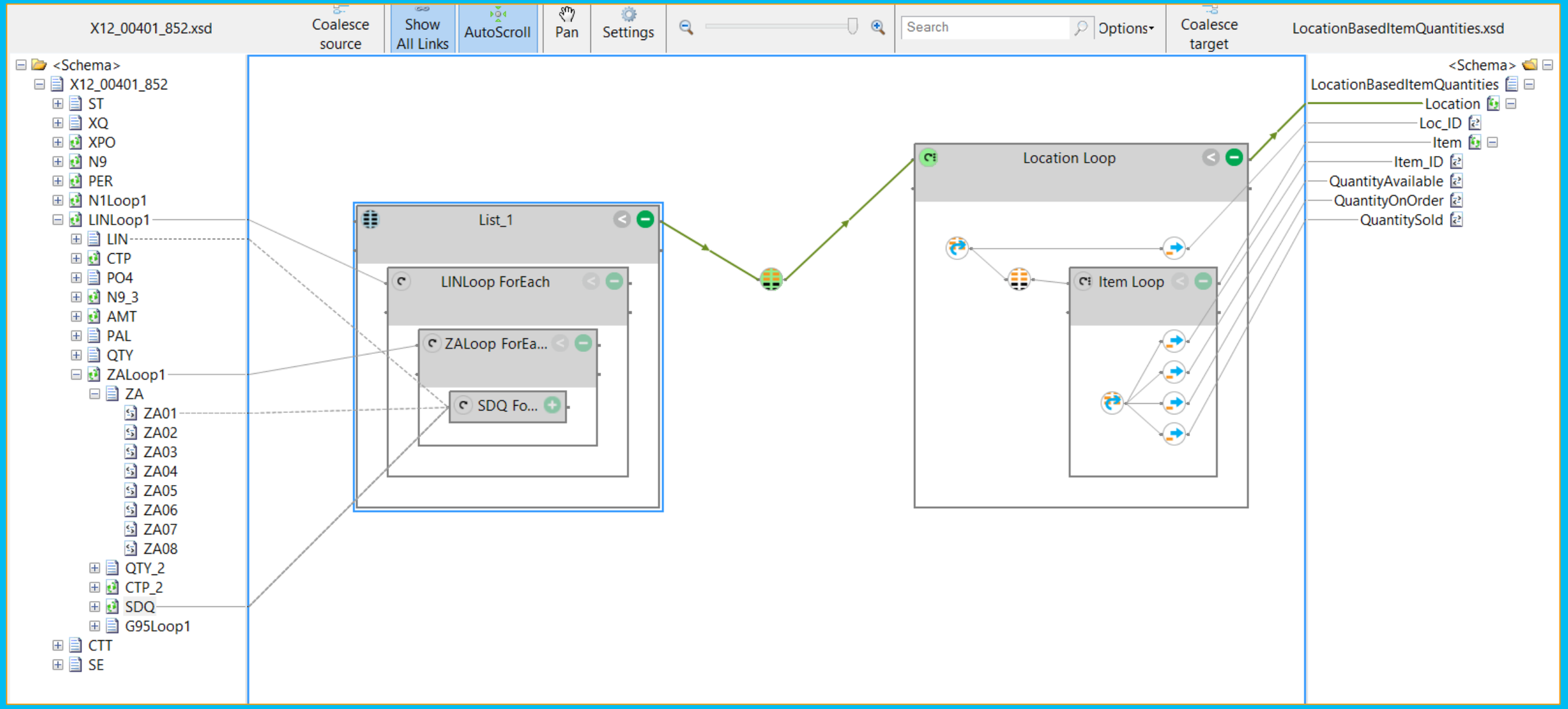
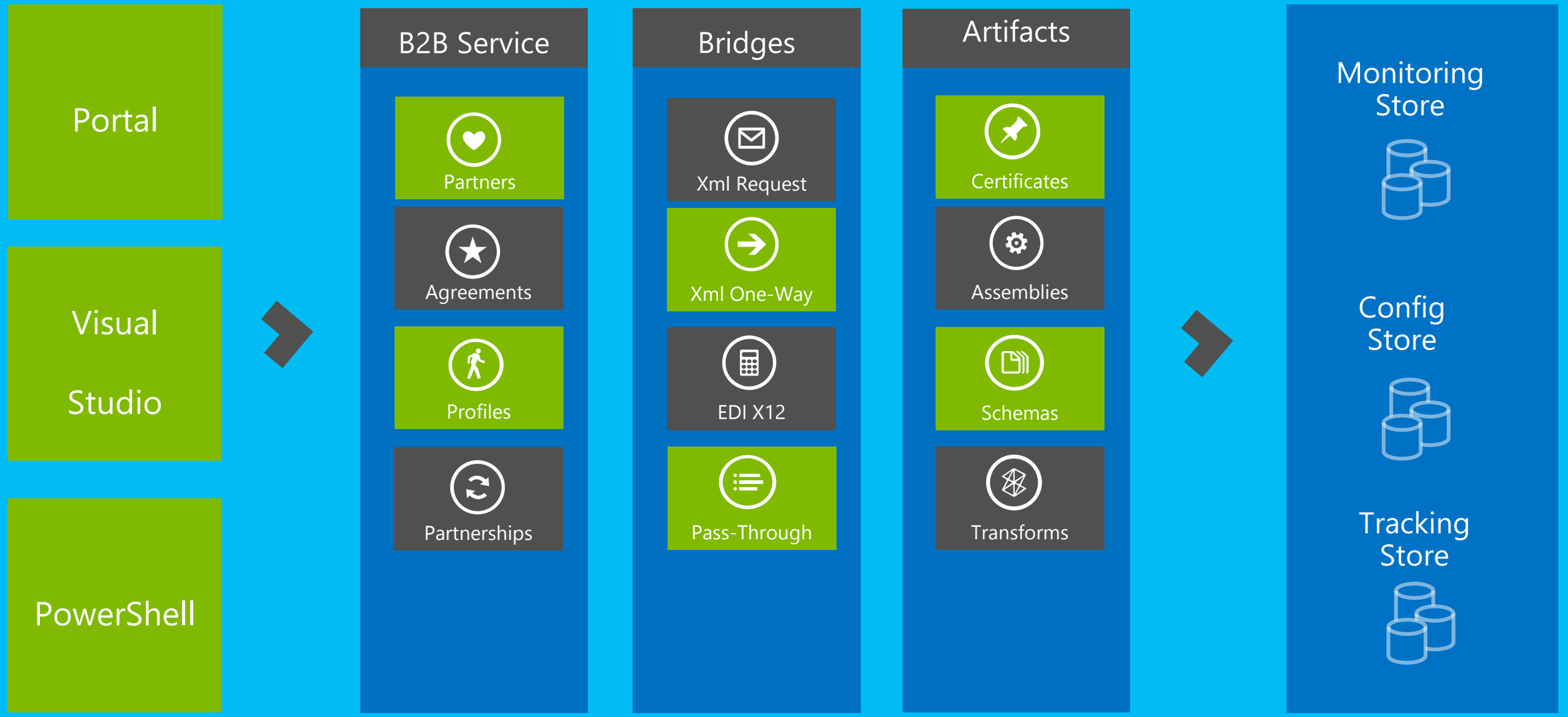
/calculatorservice	d3ce59a1-6282-4	d3ce59a1-6282-4		Route : Route	7/5/2013 1:56:16 PM
/calculatorservice	05a7acf1-6bb8-4	05a7acf1-6bb8-4		Route : Route	7/5/2013 1:53:20 PM
/calculatorservice	fda774e2-327d-4	fda774e2-327d-4		Route : Route	7/5/2013 1:43:28 PM
/calculatorservice	d7e4669d-a880-4	d7e4669d-a880-4		Route : Route	7/5/2013 1:39:03 PM
/calculatorservice	7e729f03-2f82-4	7e729f03-2f82-4		Route : Route	7/5/2013 1:38:50 PM
/calculatorservice	e33762d6-2081-4	e33762d6-2081-4		Route : Route	7/5/2013 1:38:13 PM
/calculatorservice	8fb3ec8b-78c2-4	8fb3ec8b-78c2-4		Route : Route	7/5/2013 1:37:32 PM
/calculatorservice	5e02b695-65bd-4	5e02b695-65bd-4		Route : Route	7/5/2013 1:36:13 PM
/calculatorservice	307a3158-ced5-4	307a3158-ced5-4		Route : Route	7/5/2013 1:31:44 PM
/calculatorservice	56a3b18c-b063-4	56a3b18c-b063-4		Route : ActivityStatus	7/5/2013 12:53:48 PM
/calculatorservice	56a3b18c-b063-4	56a3b18c-b063-4		Route : Route	7/5/2013 12:53:47 PM
/calculatorservice	a39f59db-6d33-4	a39f59db-6d33-4		Route : Route	7/4/2013 12:29:40 PM
/calculatorservice	a589a13e-bda1-4	a589a13e-bda1-4		Route : Route	7/4/2013 12:28:05 PM
/calculatorservice	3c269575-f868-4	3c269575-f868-4		Route : Route	7/4/2013 12:26:11 PM

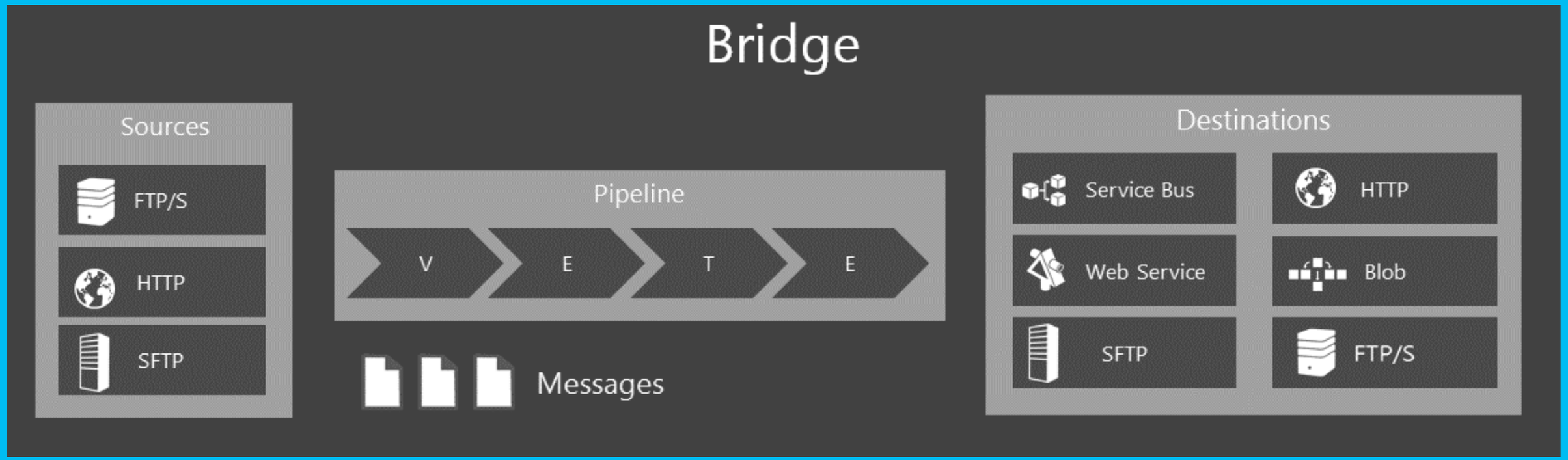
BizTalk Services



BizTalk Services



BizTalk Services



Management

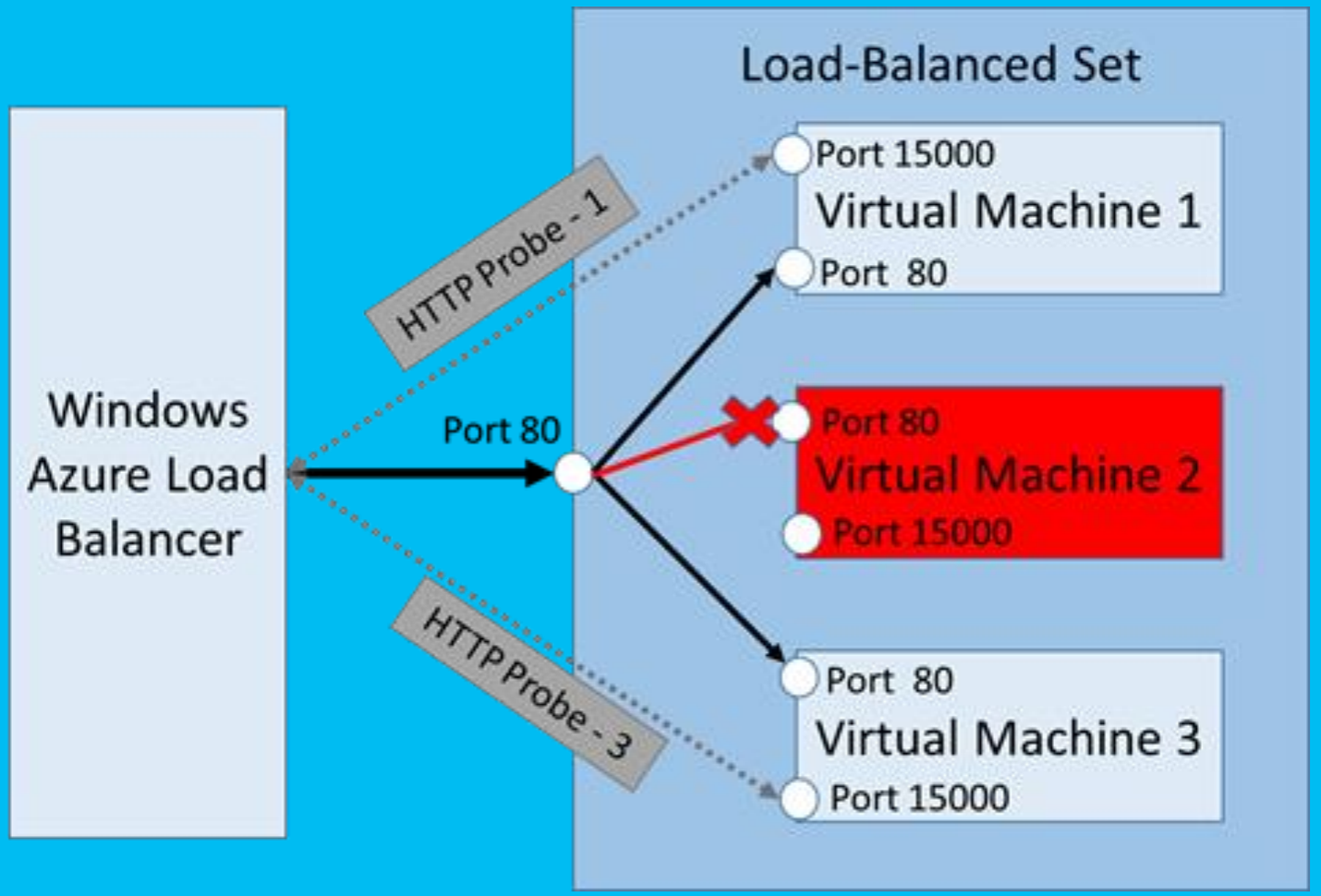
Monitoring

Alerts

Auto-scale

Load balancer

Custom probing



Auto scaling Sites, Services and VM's

No intervention needed

Cost efficiency

Mobile Services support (new)

Simple Portal setup

Virtual Machines

New Images: SQL Server, Windows Server 2012R2

Improved portal experience

SQL Server always on support

Windows Azure SDK 2.1 (.NET)

VS 2013 Preview support

VS 2013 VM Image

Explorer enhancements

Cloud Services Emulator Express option

New PowerShell Commands

Windows Azure SDK 2.1 (.NET)

VS 2013 Preview support

VS 2013 VM Image

Explorer enhancements

Cloud Services Emulator Express option

New PowerShell Commands

There’s more where that came from!

China Instance

Windows Azure Pack (on-prem service bus, compute etc.)

Etc.

Etc.

Etc.

The End