

Designing and Architecting solutions for the Hybrid and Private Cloud



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AMP True Hybrid Azure Solutions
A Pulsant initiative. Powered by Microsoft

About Pulsant



UK-based IT
infrastructure & cloud
services provider



£80m revenue



400 employees



36PB storage



6 UK Wide
Recovery Centres



3,500 Customers



14 UK-based
datacentres



6,438 rack capacity



38,000 virtual and
physical servers



2Tbps of Automated
Security Protection

Our target audiences



Financial Services,
FinTech



Legal, Insurance



Public Sector



Manufacturing, Utilities,
Services



Professional
Services

The journey to cloud that
amplifies business results

Technology has changed the face of business

What began as mere tools to run a more efficient operation, transformed into a complete ecosystem of technology solutions and services that form the beating heart of business itself.

Technology has changed the face of business

It's only the companies that reinforce the shift towards strategic and result driven technology that develop success.
Fortunately there's help to make that crucial shift.

What is a Hybrid Cloud?

A hybrid cloud should provide a complete set of consistent services

Connecting on-premises datacenters with the cloud using **Azure Virtual Networks, Azure ExpressRoute**, and more

Pulsant believes a true hybrid cloud must provide four components, each of which brings significant benefits

They are:

Common identity for on-premises and cloud applications

Integrated management and security across your hybrid cloud

A consistent data platform for your datacenter and the cloud

Unified development and DevOps across the cloud and your on-premises datacenter

Why use a Hybrid Cloud?

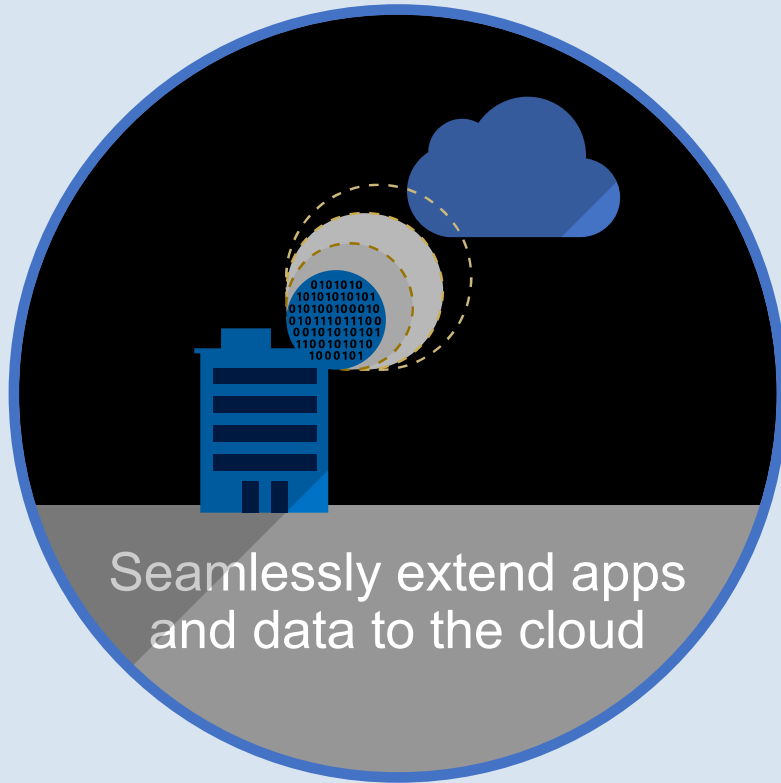
Cloud computing gets a lot of attention, and for good reason:

It's where much of IT is going. But on-premises datacenters also have an important role to play, both today and in the future

For many organizations, integrating these two to create a hybrid cloud is essential...

Organisations can architect and deploy applications across hybrid cloud environments, balancing the right amount of **flexibility** and **control**

The aspiration of hybrid cloud



Virtualisation



Standardisation

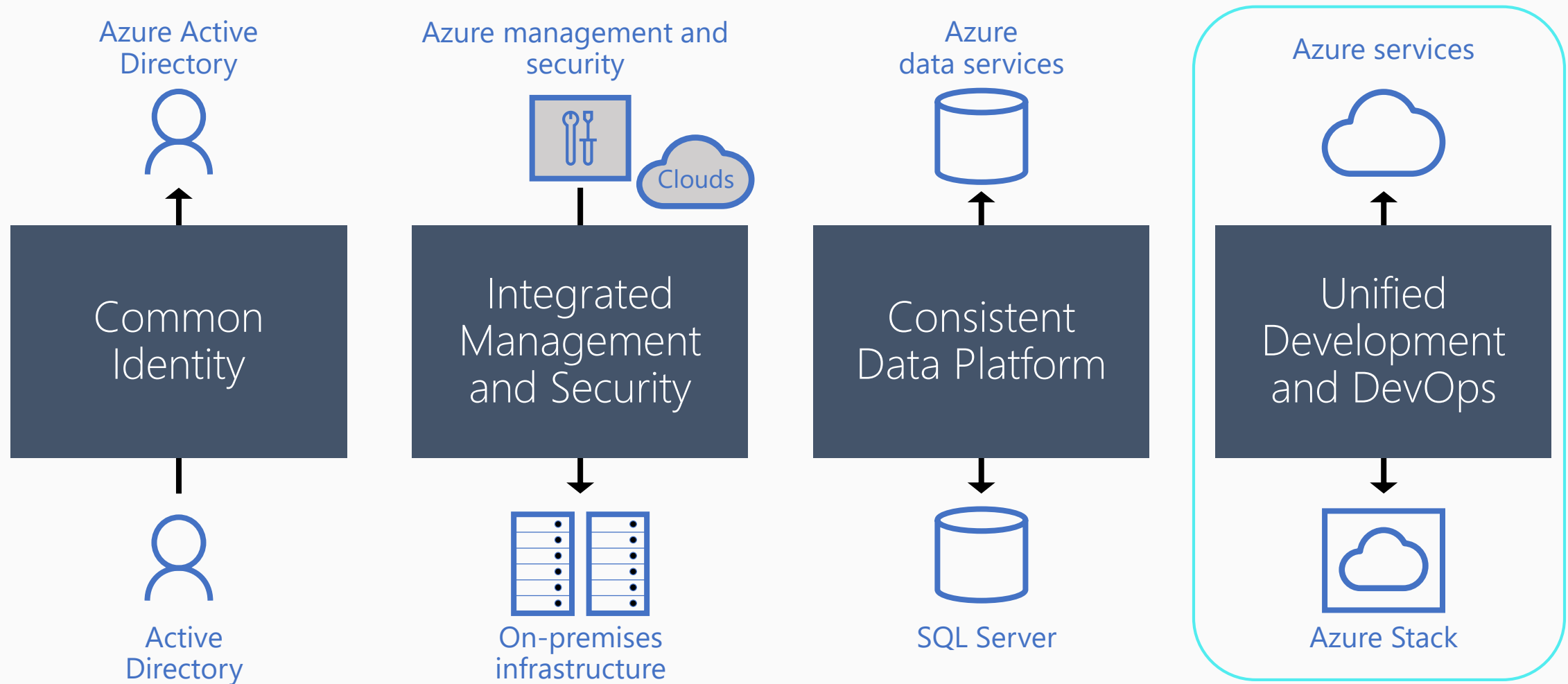


Automation



Instrumentation

True Hybrid: Only consistent hybrid cloud



The rest of the day...

- **Applications and MS Cloud** - Gabriel Nepomuceno (MS ISV Lead)
 - “Market trends (In Regulatory/Legislation Constrained Verticals)”
- **Security and Compliance** - Javid Khan
 - “Start High, drill down into Compliance, Dev Ops, Specific Tools, Hybrid MS Environments, Customer Prem to Cloud”
- **Designing Compliant Applications & Dev Ops** - Javid Khan
 - “Vendor Neutral – Best Practices Using Azure - How to Secure, what to consider with DevOps in Specific Verticals”
- **Hybrid Compute** - Stuart Nielsen Marsh
 - “MS answer to Hybrid Azure / Azure Stack – user cases for Stack: constrained industries / remote sources”
- **Design and Architecting your solution** - Kenny Lowe
 - “JSON Templates, Secure Templates, Moving Resources”
- **Design and Architecting your solution - Kenny Lowe**
 - “JSON Templates, Secure Templates, Moving Resources”
- **Azure and Azure Stack Demo** - Kenny Lowe
 - “Moving Resources, Creating Hybrid”
- **Open Discussion & Q&A**

A low-angle, upward-looking shot of several modern skyscrapers with glass facades. The buildings are framed by a deep blue sky, creating a sense of height and architectural scale. The perspective draws the eye towards the top of the frame where the buildings converge.

Hybrid Compute

MS answer to Hybrid Azure / Azure Stack – user cases for Stack:

In constrained industries / remote sources

Azure Stack is an extension of Azure

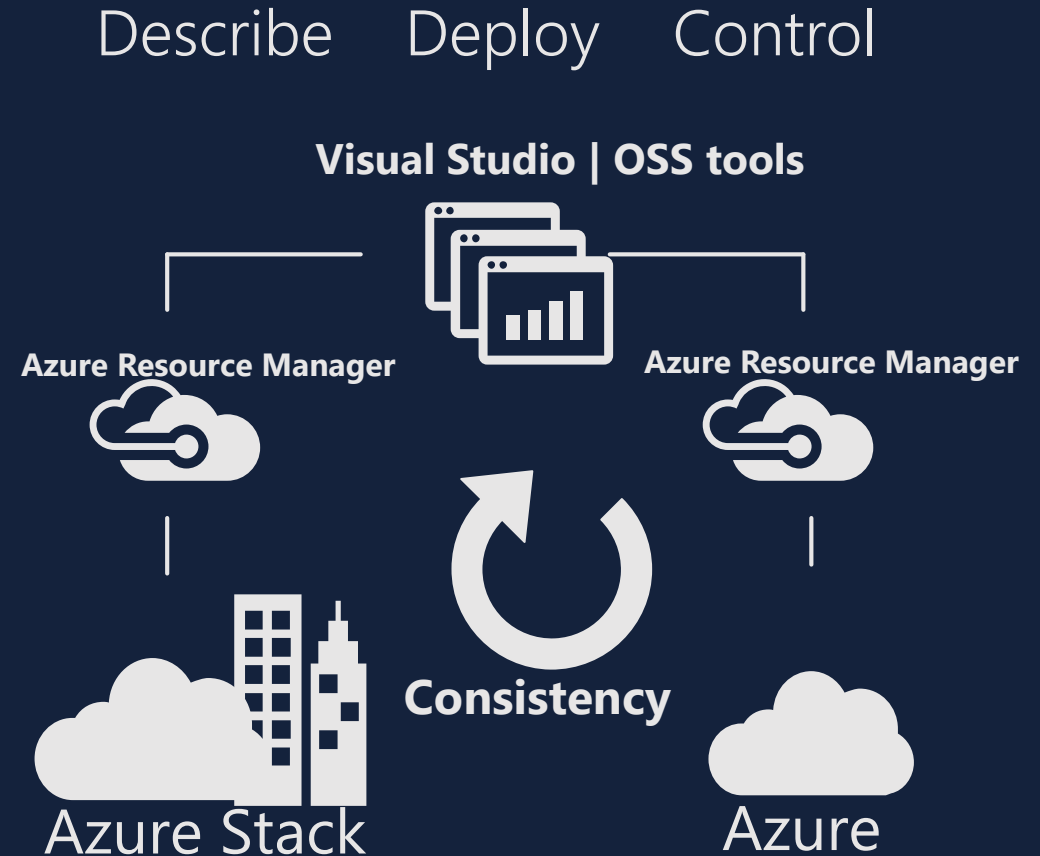
Only consistent hybrid cloud platform



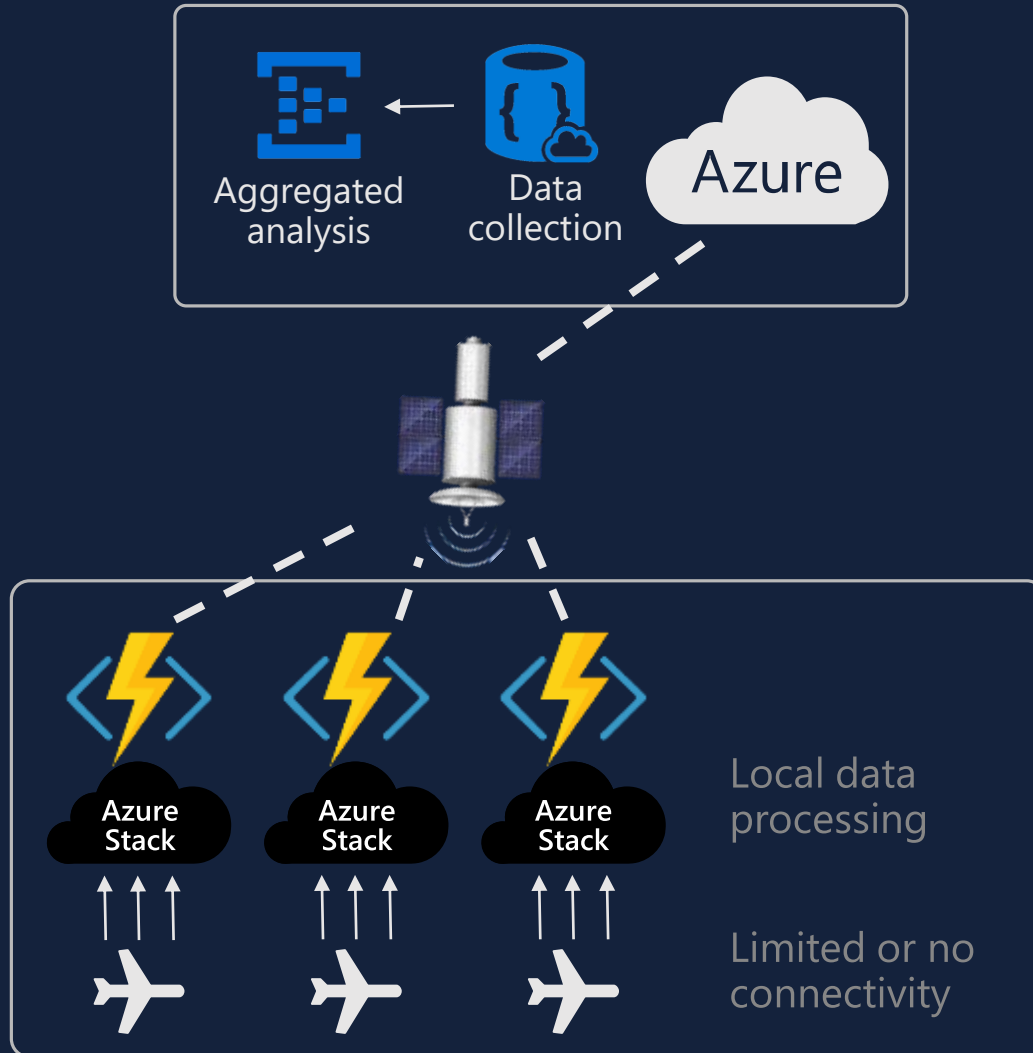
Consistent application development

Build and deploy apps the same way
whether they run on-premises or in the
cloud.

Implement common DevOps practices
across hybrid cloud environments.



Edge and disconnected solutions



Use Azure Stack for:




- Real-time latency requirements
- Connectivity issues
- Local data processing

Use Azure for aggregate analytics and big data modelling




Common application logic across both, connected, or disconnected

Edge and disconnected solutions

Cloud apps that work anywhere

-  Use Azure services without being connected
 -  Reconnect and sync whenever connection is restored
 -  Easy management with common application logic
-

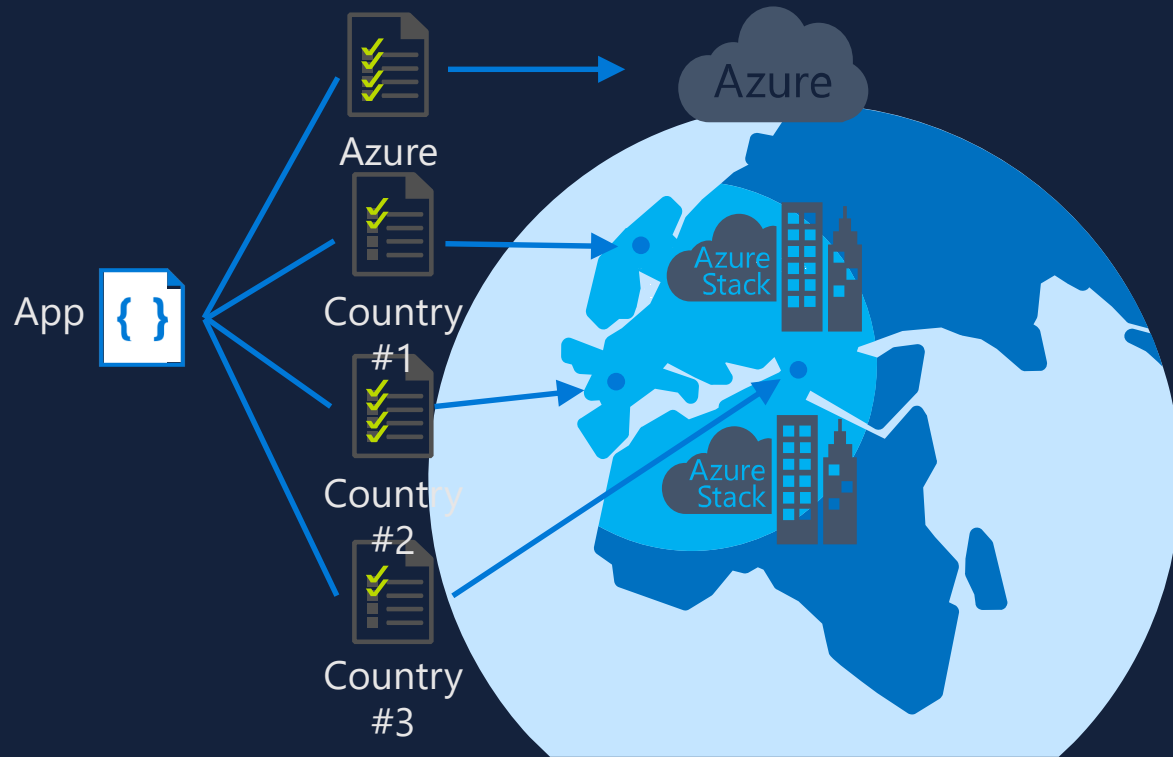
Keep disconnected locations connected

-  Don't let disconnection stop you from being productive
 -  Suitable for any high-latency situation like remote locations
 -  Disconnection no longer means discontinuance
-

Continuous compliance whenever, wherever

-  Continuous monitoring and automatic adjustments
 -  Country-based policies ensure global compliance
 -  Policies are managed worldwide
-

Cloud applications to meet varied regulations



Develop and deploy global application in Azure

Optionally deploy to Azure Stack to handle customer preferences for regulations:

- Government
- Industry
- Region

No changes to application

Cloud applications to meet varied regulations

Serve clients better while keeping data safe



Work from a secure and compliant hybrid cloud platform



Safely combine on-premises data with scalable front-end services



Improve services whilst taking into account any business policy

Deploy apps globally



Forget handling multiple versions of an application



Country-based policies ensure global compliance



Deployment is managed all over the world

Preserve business continuity



Take advantage of Azure's orchestrated and automated protection

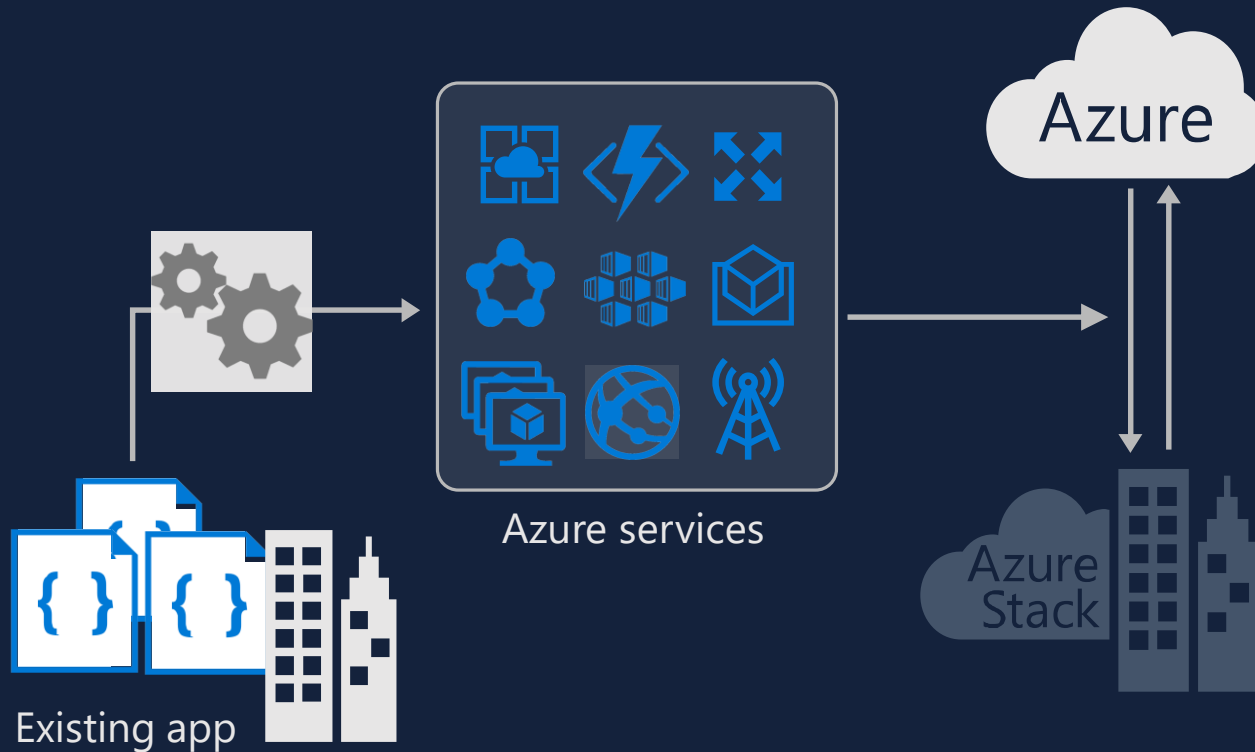


Reduce risks with continuous health monitoring and disaster recovery plans



Test recovery plans without interfering with any business process

Hybrid application model



Apply modern architectures to on-premises apps not yet ready for cloud

- PaaS
- Serverless computing
- Microservices and containers

Move to Azure without code changes

Consistent programming model, skills, and processes

Hybrid application model

Unlock the true potential of your data



Store sensitive data on-premises or in Pulsant's datacentres



Securely connect on-premises data to powerful Azure analytics



Access the latest Azure tools like Cortana Analytics Suite

Offer customers unique insights safely



Work from a secure and compliant hybrid cloud platform



Use Azure's BI tools to present results in clear dashboards



Offer unique insights whilst taking into account data sensitivity

Manage insights, manage costs



Easily safeguard all business data and insights generated



Improve your customers' business- and your own



Only pay for actual usage of Azure services

Pulsant will help you with your transformation
with our end-to-end approach

“Grow and thrive in a constantly changing world”

Try Azure Stack today

AMP Launch Pad will help you get started with Azure Stack quickly, allowing you to prepare your organisation for new operating models.

AMP Launch Pad

A single node Azure Stack appliance, powered by Dell EMC and hosted in a Pulsant Datacentre

A great first step in exploring the benefits of hybrid cloud

Get started immediately with roll-out in less than a day

All Pulsant Services mentioned to help you get the most out of your Azure Stack

Want to learn more or interested in AMP Launch Pad? [Get in touch](#)

Thank you