

# Hybrid Cloud Backend System Integration

Integrate your on premise infrastructure with the cloud seamlessly for enhanced business continuity

## Introduction

Cloud has taken the computing industry by storm and has led to rapid adoption in virtually all sectors. Increasingly, the cloud is no longer viewed as new technology that reduces cost but as a new platform for innovation.

With the onset of Hybrid Cloud as a deployment model, organizations of all sizes are looking for customized solutions to fit their IT infrastructure needs. Hybrid Cloud is an alternative model that encapsulates the advantages of private and public cloud models. Hybrid Cloud offers organizations agility, elasticity and security for sensitive data and applications all in one solution.

## Background

Hybrid Cloud provides organizations with the flexibility to maintain specific data and applications on the public cloud while keeping the remaining infrastructure in a private setting.

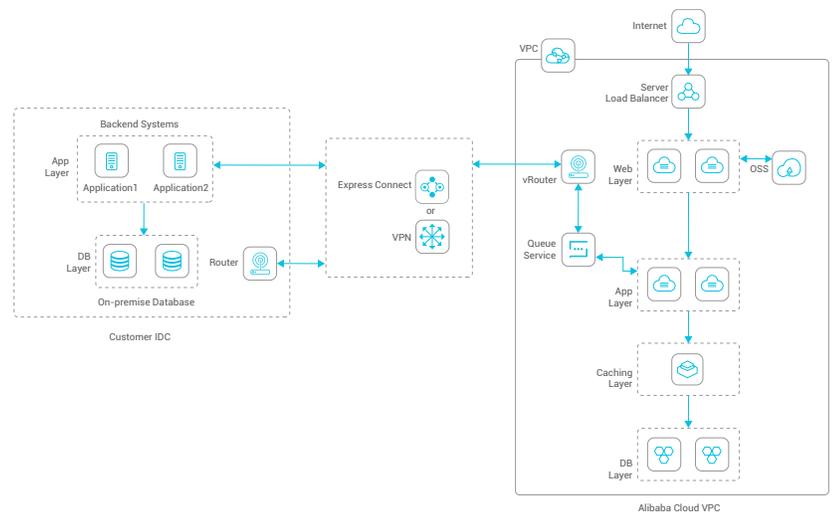
This could, for example, entail deploying a dynamic application with unpredictable demand on a public cloud and deploying another application requiring high-security on a private cloud. Further, an organization can choose to host data or applications requiring high regulatory oversight on-premise.

This solution enables backend integration of on-premise data centers to Alibaba Cloud using queuing services. Upon setting up a hybrid cloud environment, the systems running on Alibaba Cloud VPC will communicate seamlessly with the backend systems running on-premise via a private network. The systems running on the cloud can securely access backend systems running on-premise to meet synchronous or asynchronous data exchange needs.

## Benefits

- ✓ Integration with legacy systems
- ✓ Business scalability
- ✓ Faster and secure bandwidth

## Recommended Solution Architecture



This architecture explores backend integration of on-premise data centers to Alibaba Cloud resources using queuing services. Through this architecture model, customers can use Alibaba Cloud managed services such as VPC and ECS for integration into their backend application.

Users can conveniently modify and save costs on resources as per their requirements. Backend integration architecture is most suitable for backend applications that are complex, and where data security is crucial, as VPN and Express Connect provide for faster and secure bandwidth.

## Highlights

- Flexible architecture design
- Enhanced security and compliance
- Business continuity and scalability
- Centralized management