

Development and Test Environments on Azure – A QuickStart

A Lighthouse Services Engagement



LIGHTHOUSE
MICROSOFT
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GROUP

Azure IaaS QuickStart to support your Development and Test Infrastructure

Lighthouse can help you deploy your infrastructure to the cloud with confidence.

Due to the ongoing cost increases and long lead times associated with typical on-premises datacenters or hosting providers, addressing your organization's needs with regards to flexible infrastructure can be a challenging proposition. Delivering a solution that addresses the needs of your business, partners, and customers can often lead to expensive, complex, and difficult to manage on-premises solutions. Lighthouse Computer Services can serve as your trusted advisor and guide you through the process of defining and executing on your cloud infrastructure implementation.

- Do you have long lead times for Dev/Test environments?
- Is your infrastructure idle more than half the time?
- Is your Datacenter capacity limited?



Unlimited Possibilities

Windows Azure is an open and flexible cloud platform that enables you to quickly build, deploy and manage applications across a global network of Microsoft-managed datacenters. Windows Azure enables modern businesses to move faster, save money, and integrate on-premises applications and data.

Always up. Always on.

Windows Azure delivers a 99.95% monthly SLA and enables you to build and run highly available applications without focusing on the infrastructure. It provides automatic OS and service patching, built in network load balancing and resiliency to hardware failure.

Highlights of the IaaS QuickStart engagement include:

Project Scope

- **Secure Cross Premises Connectivity**
 - Gather Requirements and Design Logical Network Topology for Azure
 - Set up a Virtual Network in Azure
 - Set up a Site to Site VPN Tunnel in Azure
 - Establish VPN Tunnel - configuring firewall rules
 - Test connectivity between Azure and on-premises networks
- **Deployment**
 - Deploy highly available VM instances of Windows Server in Azure to support your Dev and Test environments
 - Test / debug after installation for connectivity
- **Documentation & Knowledge Transfer**
 - Create Visio Network Diagram and Network Configuration Details documentation

Deliverables:

- Configured, high availability, Dev and Test virtual machines
- Visio Network Diagram and Network Configuration Details Document

Duration

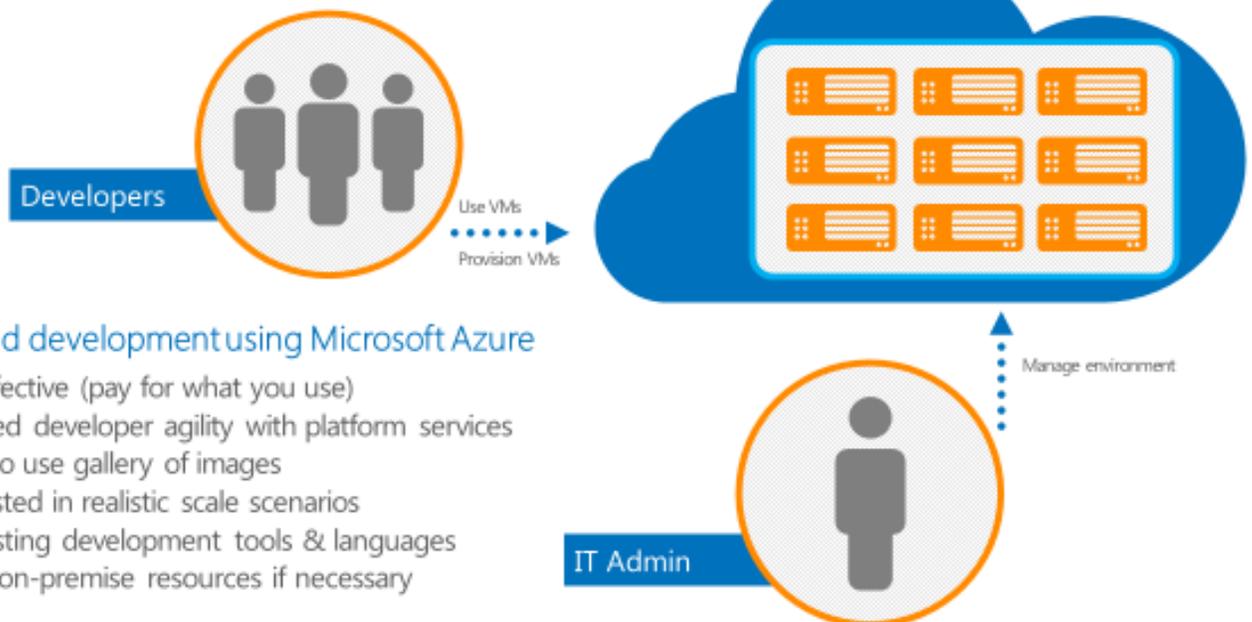
- 5 days (based on key considerations outlined below)

Key Considerations

- Lighthouse will configure the required underlying infrastructure on Azure. Actual deployments and/or migrations of Dev and Test environments can be covered under a separate engagement.
- Customer can either provide a base Hyper-V VM image or utilize an Azure pre-configured image.
- All desired state Dev configuration (e.g. web config changes, IDE, debugger, source code control) and Test configuration (e.g. test automation, load testing, defect tracking) for the application will either be part of the pre-configured image, or will be performed on the Dev and Test VMs by the customer once they are provisioned.
- Dev and Test virtual machines will be associated with a single n-tier application.
- No assistance is needed with configuring AD or ADFS. Azure Dev and Test images to be built can either be standalone or domain joined leveraging a customer's existing on-premises or cloud authentication.
- Firewall in use will provide support for Azure point to point VPN tunnel (IPSec v1 and v2).



Develop, test, run your apps



Test and development using Microsoft Azure

- Cost effective (pay for what you use)
- Improved developer agility with platform services
- Ready to use gallery of images
- Ship tested in realistic scale scenarios
- Use existing development tools & languages
- Access on-premise resources if necessary