

# Azure Government Starter Pack: Datacenter Migration



*This document provides an overview of the Datacenter Migration Starter Pack for GSA IT Schedule 70, powered by Microsoft Azure Government.*

*Designed to help government customers get up and running quickly with common cloud workloads, the Starter Packs include essential services, support, and implementation guidance for such scenarios as datacenter migration, dev/test, and websites.*

Azure Government is an exclusive instance of Microsoft Azure with world-class security and controls designed for highly sensitive data, enabling government customers to safely transfer mission-critical workloads to the cloud.

Azure Government has over 38 services included in our FedRAMP High compliance program and robust networking throughout the United States with 8 announced regions, including 2 DoD regions certified at Impact Level 5, all connected via private dark fiber. Each region is over 500 miles apart with data replication across regions for business continuity.

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### Summary

The Datacenter Migration Starter Pack provides government customers with the initial services and support for a successful migration of a datacenter to Microsoft Azure Government. Because of the complexity inherent in datacenter migration scenarios, this starter pack includes six weeks of support from a Microsoft Technical Architect to provide subject matter expertise and guide your implementation.

Why would you use this starter pack for a large datacenter migration? Maybe it's due to the OMB established Data Center Optimization Initiative (DCOI), a Cloud First Department/Agency requirement, possibly it's a datacenter where you need to reduce costs and refactor the workload(s) to gain efficiency.

Datacenter migrations are typically managed as business transformation initiatives to meet senior executive management mission agendas quickly and in a cost-effective manner. This starter pack can help you:

- Transform legacy apps into cloud solutions with the support of subject matter experts.
- Leverage Microsoft Azure as your primary or secondary datacenter for expansion and growth.
- Migrate your existing managed services from your co-location datacenter facility to Microsoft Azure.
- Rest assured during an outage or disaster scenario with a solution that protects the widest range of enterprise applications of any cloud disaster recovery provider. Fail over your apps—and your entire datacenter—in a matter of hours instead of weeks or months.

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**Azure compute:** Whether you're building new applications or deploying existing ones, Azure compute provides the

## Azure services included

infrastructure you need to run your apps. Tap into compute capacity in the cloud and scale on demand. Containerize your applications, deploy Windows and Linux virtual machines (VMs), and take advantage of flexible options for migrating VMs to Azure. With comprehensive support for hybrid environments, deploy how and where you want to. Azure compute also includes a full-fledged identity solution, so you gain managed endpoint protection, and Active Directory support that helps secure access to on-premises and cloud apps. Deploy great apps and save with pay-as-you-go pricing, and the [Azure Hybrid Benefit](#).

- 45-D2 Windows VMs: Balanced CPU-to-memory ratio. Ideal for testing and development, small to medium databases, and low to medium traffic web servers.
- 30-D2 Linux VMs: Balanced CPU-to-memory ratio. Ideal for testing and development, small to medium databases, and low to medium traffic web servers.
- 10-DS12v2 SQL Server VMs: High memory-to-CPU ratio. Great for relational database servers, medium to large caches, and in-memory analytics.
- 15-D3 VMs for large Windows VMs: High-end balanced CPU-to-memory ratio. Ideal for testing and development or small to medium databases.

**[Azure storage](#):** Get secure cloud storage that protects your data infrastructure while you build apps and create better services for your customers. Integrate your on-premises data with your cloud data to form crucial insights. Scale globally and run your most demanding workloads while meeting compliance and privacy requirements.

- 128GB HDD: Managed Disks, Standard, S10 Disk type  
250 Disks, 100000 Storage transactions
- 256GB SSD: Managed Disks, Premium, P15 Disk Type  
50 Disks
- 1024GB HDD: Managed Disks, Standard, S30 Disk Type  
45 Disks, 100000 Storage transactions

Standard HDD disks are backed by HDDs, delivering cost-effective storage. Standard HDD storage can be replicated locally in one datacenter or be geo-redundant with primary and secondary datacenters. Premium SSD disks are backed by SSDs, and deliver high-performance, low-latency disk support for VMs running I/O-intensive workloads.

Managed Disks handles the storage account creation/management in the background for you, so you do not have to worry about the scalability limits of the storage account. You simply specify the disk size and the performance tier (Standard/Premium), and Azure creates and manages the disk for you.

**Azure Bandwidth:** The Datacenter Starter Pack includes 1 TB of North America bandwidth (egress). Bandwidth refers to data moving in and out of Azure data centers other than those explicitly covered by the Content Delivery Network or ExpressRoute pricing. Data going into Azure data centers is free.

**Azure Backup:** Keep your data in Azure and on-premises safe and secure. Backup supports VMware and Hyper-V virtual machines running on Linux and Windows, as well as physical Windows Servers. Azure Backup replaces your existing on-premises or off-site backup solution with a cloud-based solution that is reliable, secure, and cost-competitive.

**Azure Security Center:** Gain unified security management and advanced threat protection across hybrid cloud workloads. You can apply security policies across your workloads, limit your exposure to threats, and detect and respond to attacks. In addition to collecting security data from your computers, you can integrate security data from a variety of other security solutions, including firewalls and other partner solutions.

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## How to buy

To buy the Datacenter Migration Starter Pack, please order the following Microsoft SKU through a [Microsoft Licensing Solution Provider \(LSP\)](#) or your Microsoft account representative. Within this SKU, you'll have the flexibility to select the services you need for your specific workload.

### Azure Government Starter Pack: Datacenter Migration \$565,000 J5U-00001 AzureG Commit

The table below details estimated pricing for the services included in the Datacenter Migration Starter Pack:

Service type	Custom name	Region	Description	Estimated Cost
Virtual Machines	Std. Windows	US Gov Virginia	45 D2 (2 vCPU(s), 7 GB RAM) x 730 Hours; Windows – (OS Only); Pay as you go; 0 managed OS disks – S10	\$11,420.00
Bandwidth	1TB Egress	US Gov Virginia	Zone 1: North America, Europe, 1 TB	\$130.00
Virtual Machines	Std. Linux	US Gov Virginia	30 D2 (2 vCPU(s), 7 GB RAM) x 730 Hours; Linux – Red Hat Enterprise Linux; Pay as you go; 0 managed OS disks – S6	\$5,040.00
Virtual Machines	SQL Servers	US Gov Virginia	10 DS12 v2 (4 vCPU(s), 28 GB RAM) x 730 Hours; Windows – SQL Server; Pay as you go; 0 managed OS disks – P10	\$9,320.00
Virtual Machines	Large Windows	US Gov Virginia	15 D3 v2 (4 vCPU(s), 14 GB RAM) x 730 Hours; Windows – (OS Only); Pay as you go; 0 managed OS disks – S10	\$7,600.00
Backup	n/a	US Gov Virginia	100 instance(s) x 950 GB, LRS	\$5,440.00
Security Center	Standard	US Gov Virginia	Standard tier, 100 nodes	\$1,700.00
Storage	128GB HDD	US Gov Virginia	Managed Disks, Standard, S10 Disk Type 250 Disks, 100000 Storage transactions	\$1,880.00
Storage	256GB SSD	US Gov Virginia	Managed Disks, Premium, P15 Disk Type 50 Disks	\$2,150.00
Storage	1024GB HDD	US Gov Virginia	Managed Disks, Standard, S30 Disk Type 45 Disks, 100000 Storage transactions	\$2,340.00
<b>Monthly Total</b>				<b>\$46,970.00</b>
<b>Annual Total</b>				<b>\$563,610.00</b>

#### Disclaimer

All prices shown are in US Dollar (\$). This is a summary estimate, not a quote. For up-to-date pricing information please visit <https://azure.microsoft.com/pricing/calculator/>. This estimate was created 7/15/2018 7:55:2 PM UTC.

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# Support and implementation resources

### **Datacenter Starter Pack support includes:**

The Datacenter Starter Pack includes six weeks of support from a dedicated Microsoft Technical Architect to provide subject matter expertise on your implementation of the package.

In addition to a dedicated Microsoft Technical Architect, this package may also include a Microsoft FastTrack for Azure engineer(s) or a Technical Architect for implementation. When you purchase this starter pack, the certified reseller will work with your Microsoft account team to determine the appropriate resource to provide the onboarding.

[FastTrack for Azure](#) helps you build solutions quickly and confidently with direct assistance from Azure engineers who work hand-in-hand with partners. During a typical FastTrack engagement, we help you define the business vision to plan and develop Azure solutions successfully, assess your architectural needs, and provide guidance, design principles, tools, and resources to help you build, deploy, and manage your Azure solutions. This a separate program with distinct eligibility requirements from Azure Government, including an active paid Azure subscription and a project estimated to consume a minimum of \$5000/month of Azure services. Read the [eligibility requirements for FastTrack for Azure](#) to assess whether this is a fit for your organization.



Contact your designated Microsoft account representative or partner to help you get started, or email [Microsoft Azure Starter Packs](#) with any questions.