APP SERVICE MIGRATION TOOL DOCUMENT

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1. WHAT IS APP SERVICE MIGRATION TOOL



App Service Migration Tool is a migration tool developed by Microsoft that analyzes the applications in existing on-premises in detail and prepares reports for a possible migration. We can start scanning by providing the application with a Public endpoint. Many details such as what technologies are used in the application, traffic, utilization, ports and settings are examined in scanning. After the endpoint scan is complete, we can download a transport assistant that will help us move step by step. We can access this assistant at https://appmigration.microsoft.com/. This assistant is only available for .Net and PHP applications. It is stated in the link above by Microsoft that it will be supported in other application languages.

2. . BEGIN ASSESTMENT

First, by entering https://appmigration.microsoft.com/, we start our assessment from our endpoint and check the suitability.

Migrate to Azure App Service

Assess any app with an endpoint scan. Download the Migration Assistant and start your .NET and PHP app migration to Azure App Service.

Assess Provide a public URL to assess to start your migration process.	Download For internal .NET and PHP apps, download the Migration Assistant.						
Start your assessment by entering a public facing endpoint to scan.							
https:// https://www.datamarket.com.tr	Assess						

As a result of Assestment, information such as the following comes before us. This information includes all the technologies, frameworks, hosting information and web server information running on the site.

https:// www.datamarket.com.tr/	Assess
Your site's framework and hosting model is fully supporte your migration process by downloading the migration ass app.	ed for migrating over to Azure App Services. Start sistant and following the steps to migrate your Start Migrating Now !
tected Domains (2)	
latamarket.com.tr	
FRAMEWORK (6)	
ASP.NET Last detected : 10 days ago	One or more top Azure App web apps use this framework
ASP.NET Ajax Last detected : 2 years ago	One or more top Azure App web apps use this framework
ASP.NET 4.0 Last detected : 2 years ago	One or more top Azure App web apps use this framework
Microsoft Office SharePoint Last detected : 2 years ago	One or more top Azure App web apps use this framework
OpenResty Last detected : 10 days ago	One or more top Azure App web apps use this framework
PHP Last detected : 10 days and	One or more top Azure App web apps use this framework





ADS (1)

DoubleClick.Net Last detected : a month ago	Used by top App Service site.
ANALYTICS (4)	
Google Analytics Last detected : 7 days ago	Used by top App Service site.
Google Universal Analytics Last detected : 7 days ago	Used by top App Service site.
Google Analytics Classic Last detected : a year ago	Used by top App Service site.
Global Site Tag Last detected : 10 months ago	Used by top App Service site.
CDN (2)	
GStatic Google Static Content Last detected : a month ago	Used by top App Service site.
Content Delivery Network Last detected : a year ago	Used by top App Service site.
CMS (10)	

As a result of this assestment, Azure Migrate gives us a message like:

Your site's framework and hosting model is fully supported for migrating over to Azure App Services. Start your migration process by downloading the migration assistant and following the steps to migrate your app.

Start Migrating Now !

This message states that our site is fully compatible with Azure App Service. If your application is .Net or PHP by pressing the Start Migrating Now button, you are directed to the page to download the assistant.

Minimum system requirements:

- IIS 7.5
- Administrator access on the server

Download the Migration Assistant

Migration Assistant



Migration Assistant (Linux Preview)



Download Linux Preview

Download

DATAMARKET



3. BEGIN MIGRATION

We will start migration by downloading the migration assistant according to our operating system from the link. The important point is that we are downloading this assistant to the machine with IIS running on our sites.

After deploying the application to the machine with IIS, a screen like the following welcomes us;

Azure App Service Migration Assistant File View Help	₩d 172.162.8 - 5" ×
The view help	
Choose a Site	Start
Assessment Report	This tool lets you migrate your on-premises app to Azure App Service
Login to Azure	Sites Found
Azure Migrate Hub	2
Azure Options	Select a site below and continue to the next step to see an assessment.
Hybrid Connection	Name
Migration Results	Default Web Site
	kokiskorum.com

We decide which sites on IIS will be moved and we enter next. The next step, on the Assestment report screen, is looking at connection strings, configuration settings, certificates and many settings, indicating problems that may arise after migration.

🚸 Azure App Service Migration Assistant		H all	172.16.2.8		- 0	×
File View Help						
Choose a Site	Assessment	Report for 'ky	vkkskorum.com'			
Assessment Report	Success Warni	ng Error				
Login to Azure Azure Migrate Hub	11 🛛 3 🗖	0				
	🗆 Name	Desc	ription	Details		
Azure Options	 Success (11))				
Hybrid Connection	Warning (3)	3)				
Migration Results	Localhost DB Ser	ver Chec	cks if site is using "localhost" database server connections.	A connection string was found using "localhost" for the server value in configuration path /kvkkskorum.com	DLearn More	
	Configuration Err	ors Chec	cks for errors in the IIS configuration	The following configuration errors were found: HESUIT=80070087, Action=reading_config_section, SectionSchemaName=system.codedom, AttributeName=, Message=Filename: \\\\? \\C\\interpub\Vokkskorum.com\\web.config\VhLine number: TVV/hrEnror Cannot add duplicate collection entry of type' compiler' with combined key attributes 'language, extension' respectively set to 'c#;cs;csharp, .cs'\/hV/h	DLearn More	
	Certificates	Chec	cks to see if application is using HTTPS	The application uses HTTPS	DLearn More	
	□ Error (0)					

If we don't see any problems, we continue by saying next. He wants us to login to Azure in the next step.



ର୍ଚ୍ଚ File	Azure App Service Migration A e View Help	ssistant	ette al	172.16.2.8	_ # ×	-	٥	×			
	Choose a Site	Login to Azure	Login to Azure								
	Assessment Report	Before we start the migration p	efore we start the migration process, you need to login to an Azure account with a subscription. Use a web browser to open the page https://microsoft.com/devicelogin and enter the evice code below to authenticate to Azure Cloud, or select a different cloud.								
	Login to Azure	device code below to addienti									
	Azura Migrata Hub	Device Code									
	Azure Migrate Hub	DAHKE6XES	Copy Code & Open Browser								
	Azure Options										
	Hybrid Connection	Don't have an Azure subscription?									
	Migration Results	You'll need an Azure subscription in order to login and create your website resources. DSign up for an Azure subscription									

By pasting the code on the screen that opens, we log in to our Azure account and automatically proceed to the next step by the program. In this step, he wants us to choose a Migrate project. If not, we can create a new one.

🚸 Azure App Service Migration A	ssistant + .il 172.16.2.8 - 🗗 🗙
File View Help	
Choose a Site	Azure Migrate Hub
Assessment Report	Select an Azure Migrate Project and click next to send assessment information. Migration results will also be sent to this project. Switch user direc
Login to Azure	Azure Migrate Project Create New Azure Migrate Project
Azure Migrate Hub	
Azure Options	
Hybrid Connection	
Migration Results	

If we want to create a new one, we are directed to Azure Portal and from here we select and add Web App Assestment as migration tool.

S Azure Migrate	Web Apps 👒	Х
	« 🕐 Refresh	
Overview	Last refreshed at: 17.07.2020 15:36:25 (Click on "Refresh" to update the page)	Migrate project (change): Migrate-MSP
Migration goals		
Servers	Assessment tools	
Databases		
VDI	Azure Migrate: Web App Assessment	
📀 Web Apps	+ Assess	
🌻 Data Box		
Manage	Quick start	
Discovered items	1: Download App Service Migration Assistant Download the App Service Migration Assistant tool from here	
Support + troubleshooting	2: Assess using App Service Migration Assistant Once you have downloaded the tool, install it on a machine and	
R New support request	assess your web apps by following the steps mentioned here	
	Add more assessment tools? Click here.	
	Migration tools	
	You do not have any migration tools yet. Click here to add a migration tool when you are ready to migrate.	

In the next step, we choose which resource to move. We enter our App Service information and adjust the database configuration, if any.





Azure App Service Migration.	Assistant 🕂 📶	172.16.2.8	×
File View Help			
Choose a Site	Azure Options		
Assessment Report	We will create the required Azure resources for you to create a	nd migrate your contents to a new app.	Before we can do that we need some information.
Login to Azure	Subscription *		
Azure Migrate Hub	Visual Studio Enterprise – MPN (ec0b121c-ea32-4672-b8	8e1-e324111aaedd) 🛛	
Azure Options	Resource Group *		
Hybrid Connection	Create new 🖲 Use existing		
Migration Results	armResource		
	Destination Site Name *		
	kvkkskorumQ	.azurewebsites.net	
	App service plan		
	Create new 💽 Use existing		
	Dedicated app service plan *		
	ASP-TestLab-9cc5 (S1, 1 instance(s))	٥	
	Databases		
	Choose how to handle database connections Learn More		
	Skip database setup	enable database connection	

To automate the process later, we can export Arm Template or start Migrate directly and start our site migration.

🚷 /	zure App Service Migration Assis	tant	the the	172.16.2.8	_ 8 ×	-	٥
File	View Help						
	Choose a Site	Migration in I	Progress				
	Assessment Report	Please wait while migration	n is in progress. This may take a	few minutes. Once the migration is comple	ete, we will take you to the next step.		
	Login to Azure						
	Azure Migrate Hub	Sending server discovery d	ata to Azure Migrate (step 1 of 1)				
	Azure Options	Sending site migration da	ta to Azure Migrate (step 2 of 3)				
	Hybrid Connection	Publishing site content (ste	ep 0 of 3)				
	Migration Results						

When the migration starts, step by step migrations will be performed as in the image above. If there is no problem, you will get a success screen in the image below.

🚷 A	🔗 Azure App Service Migration Assistant		H al	172.16.2.8	×	
File	View Help	_				
	Choose a Site	Migration Results	5			
	Assessment Report Congratulations, your site h		n successfully migrated!			
	Login to Azure	Go to your website	Migrate another site	Export ARM template		
	Azure Migrate Hub Azure Options Hybrid Connection Manage your Azure Mig Manage your Azure Mig					
			zure Portal Project in Azure Portal			
	Migration Results	Find a partner				

The appearance of our site on the portal will be as follows.







In this way, we can migrate the applications in our IIS directly to Azure without dealing with FTP or other tools.





