# **Overview**

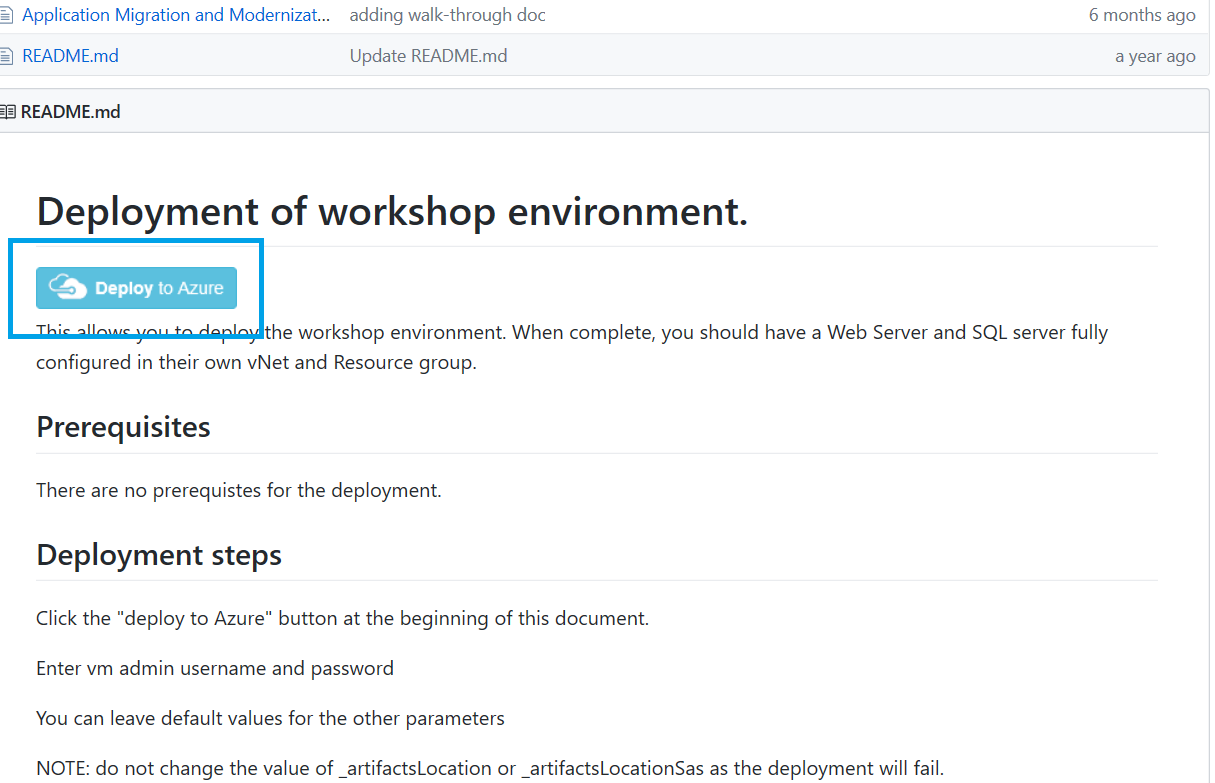
In this scenario you will use ARM a template to configure VM’s and other resources for a test environment, then migrate a test site using the **App Service Migration Tool.**

# **Pre-Requisites**

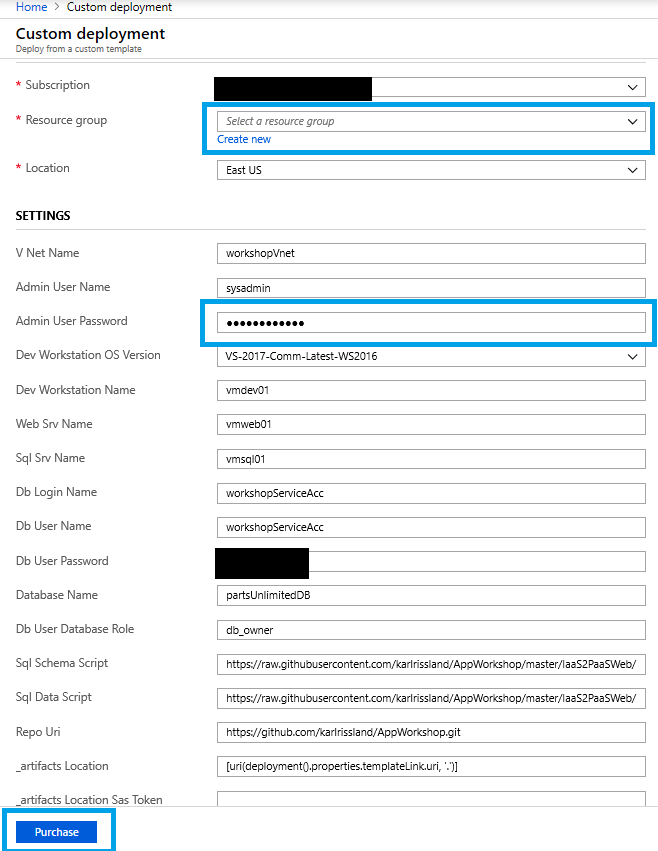
* An active Azure Subscription.

# **Create the Virtual Machines in Azure**

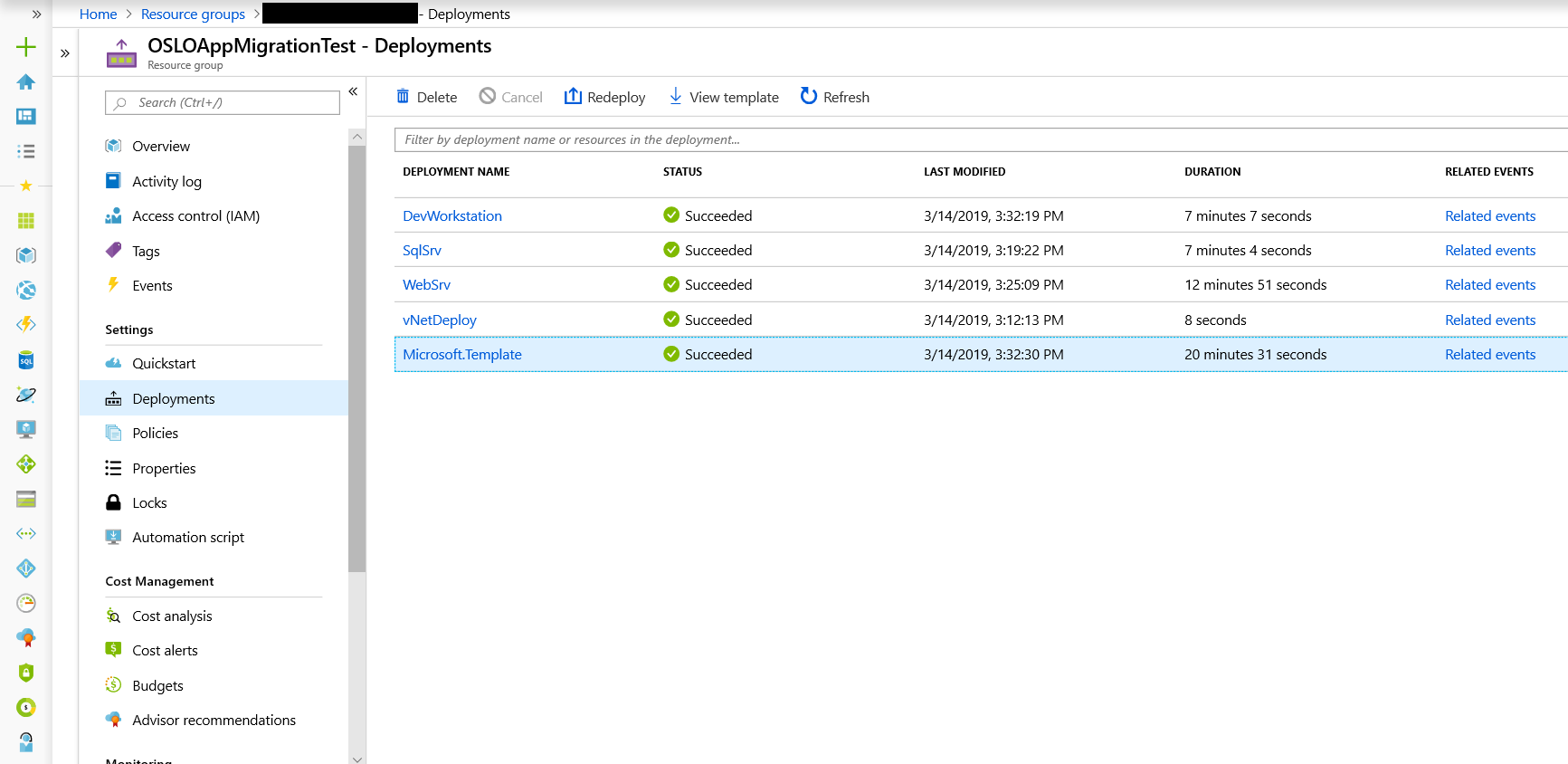
1. Begin by navigating to the Git-Hub Repository for the ARM template.
   1. <https://github.com/AppServiceDemo/AppWorkshop>
2. Click the Link to “**Deploy To Azure**”.



1. Login with your Azure credentials. Note: If you are already logged into the Azure portal you will be directed directly Custom Deployment screen.



1. Once you are at the Custom Deployment screen.
   1. Select an **existing resource group** or **create a new one**
   2. Make note of the Administrator account name and set a password for the account.
2. The remaining settings can be left at default.
3. Check agree to terms and conditions, then click “Purchase”. This will begin the creation of VM’s and other resources needed.
4. In the Azure portal navigate to the resource group that you deployed the template to.
5. **Under Settings >** Deployments Find the Microsoft.Template deployment. This shows the status of the deployment.

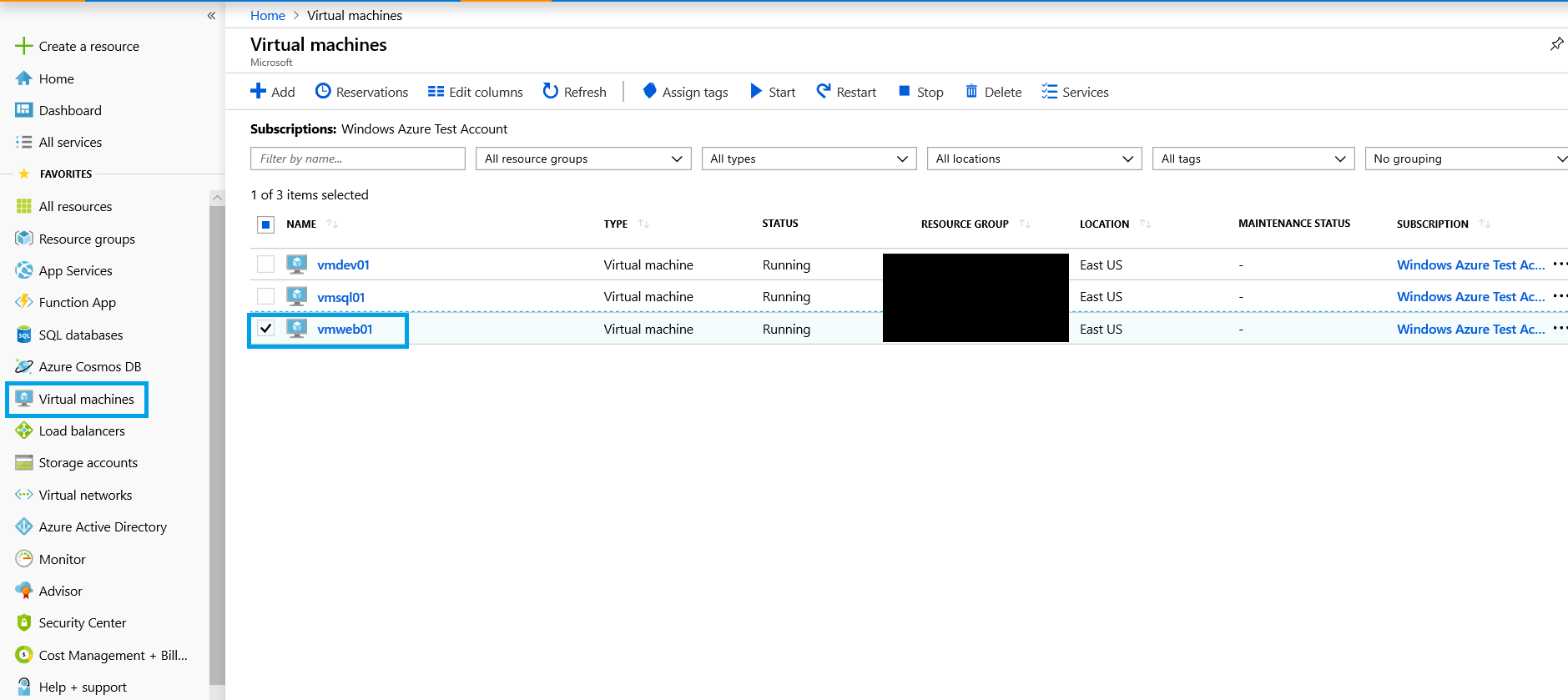


1. When the deployment status shows as succeeded, the resources are ready for use.

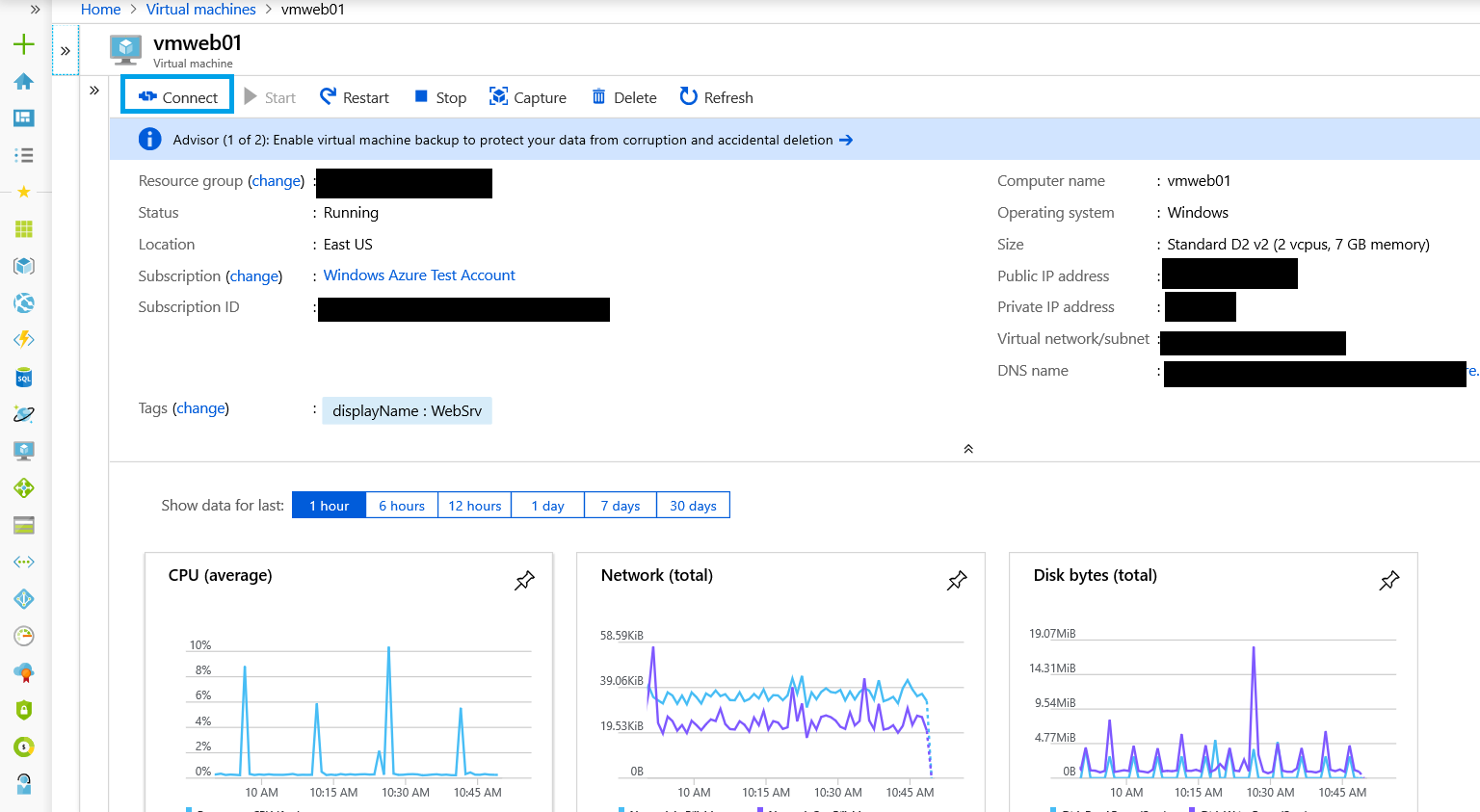
# **Connect to the Azure the VM Web Server**

# Navigate to the **Virtual machines** blade in the Azure portal.

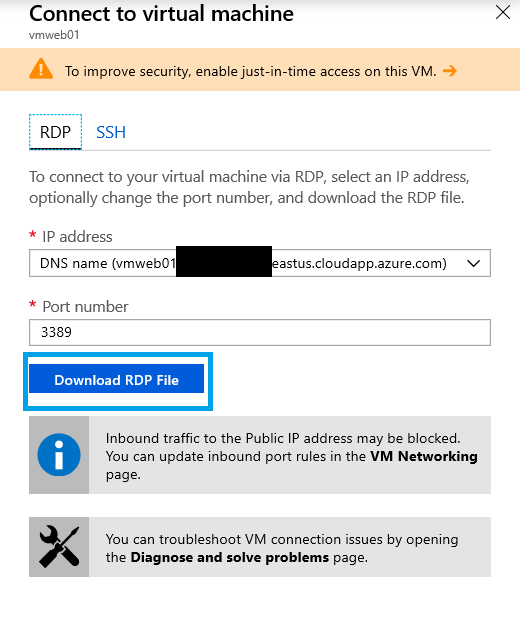
1. Find the **VMWeb01** machine and right click the machine name to bring up the overview page.



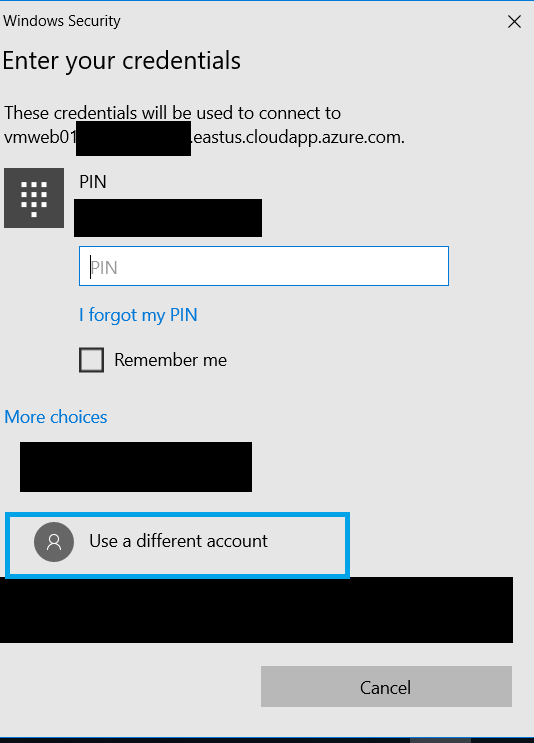
1. Click Connect in the upper left portion of the window.



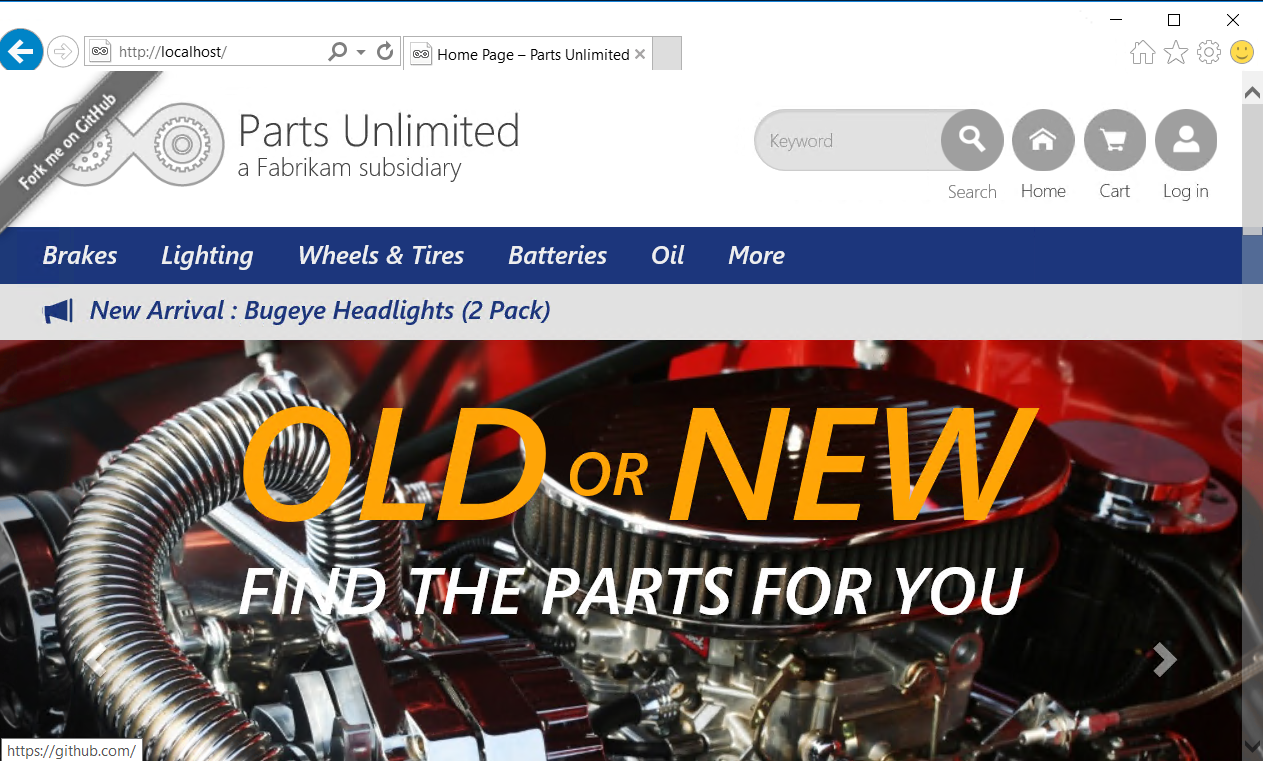
1. In the Connect to Virtual Machine Window click download to download the RDP file. Choose save when the download begins.



1. Once the download completes double click the file. You will be prompted to enter your credentials. The credentials will default to the domain associated with your local machine. Choose Use a different account.

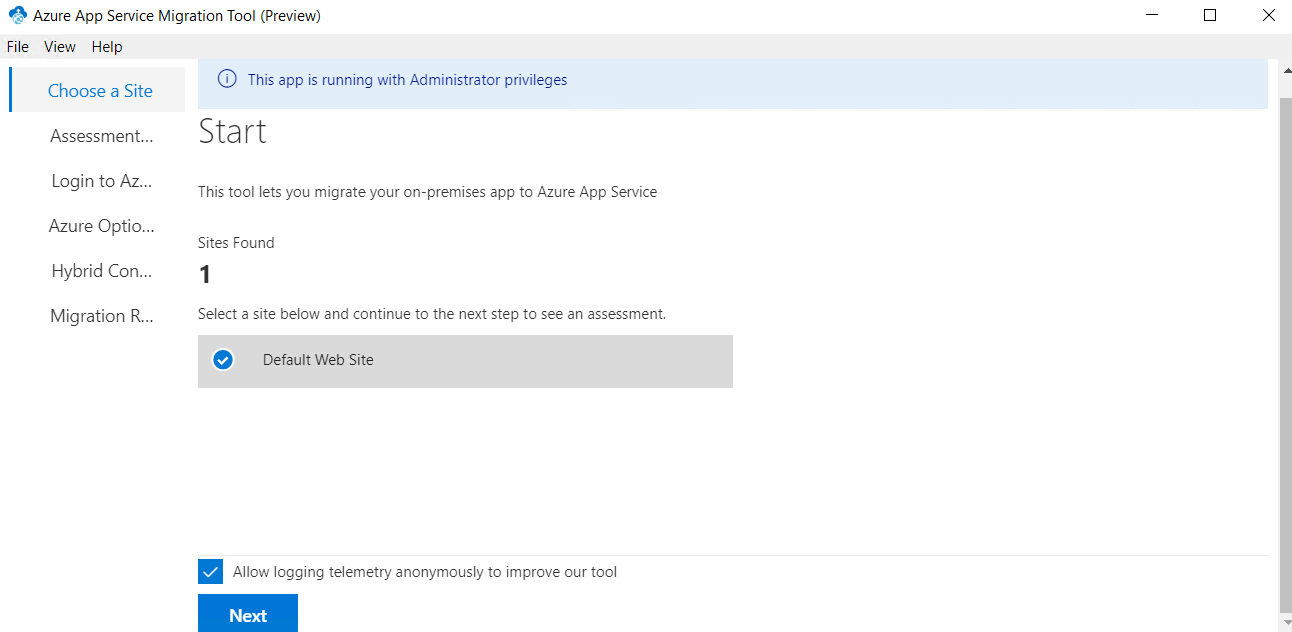


1. After selecting Use a different Account. Type in the username field “**VmWeb-01\sysadmin**” and then enter the password you created earlier then click OK.
2. The remote connection will begin. You may be prompted with a certificate warning. Click yes to proceed.
3. You are now connected to **VmWeb01.**
4. Open the web browser type in localhost. If the site is successfully running, you should see a page like the screenshot below.

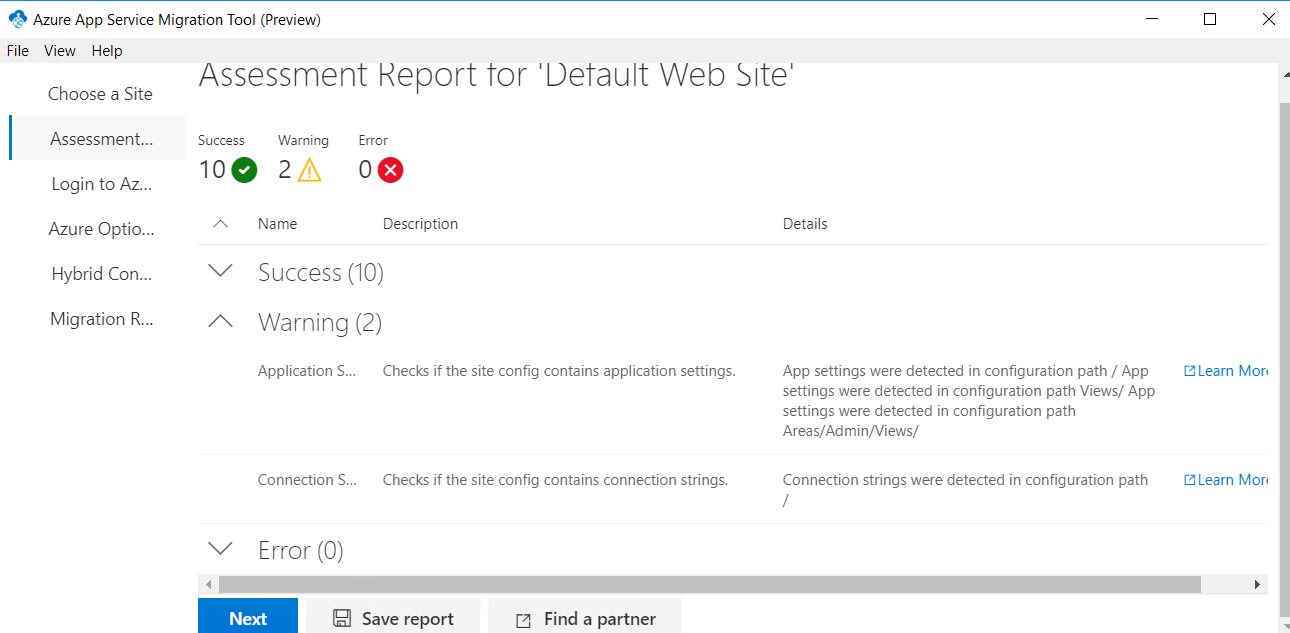


# **Migrate using the APP Migration Tool**

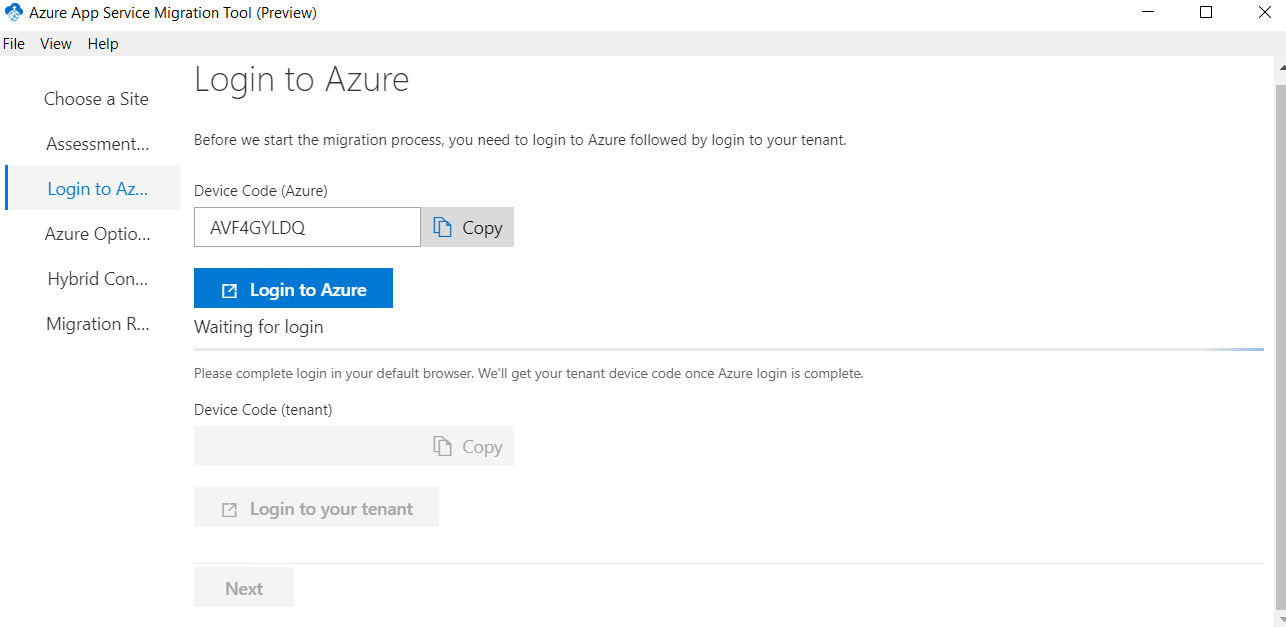
1. Disable Internet Explorer Enhanced security and Enable downloads.
   1. To disable IE Enhanced Security
      1. On VmWeb01 Open Server Manager > Local Server > IE Enhanced Security Configuration, then find the link to disable IE enhanced security.
   2. To enable downloads:
      1. Clicking the gear icon in the upper right hand of the menu bar.
      2. Click Internet options.
      3. Click the Security tab.
      4. Click Custom level.
      5. Find File Download setting and change from Disabled to Enabled.
2. Navigate to the below URL on the VmWeb01
   1. <https://appmigration.microsoft.com/>
3. Click the “Download” button on the right.
4. Click the “Download” link and accept terms to begin downloading the tool.
5. Note: Once the download completes, run the **MSI installer** (Note: Installation will only succeed for the system administrator account)
6. Once the installation completes the tool can be launched from the desktop shortcut “AppServiceMigrationTool”.
7. The tool should automatically detect the website and display below.
   1. If the website is not listed attempt to reload the tool



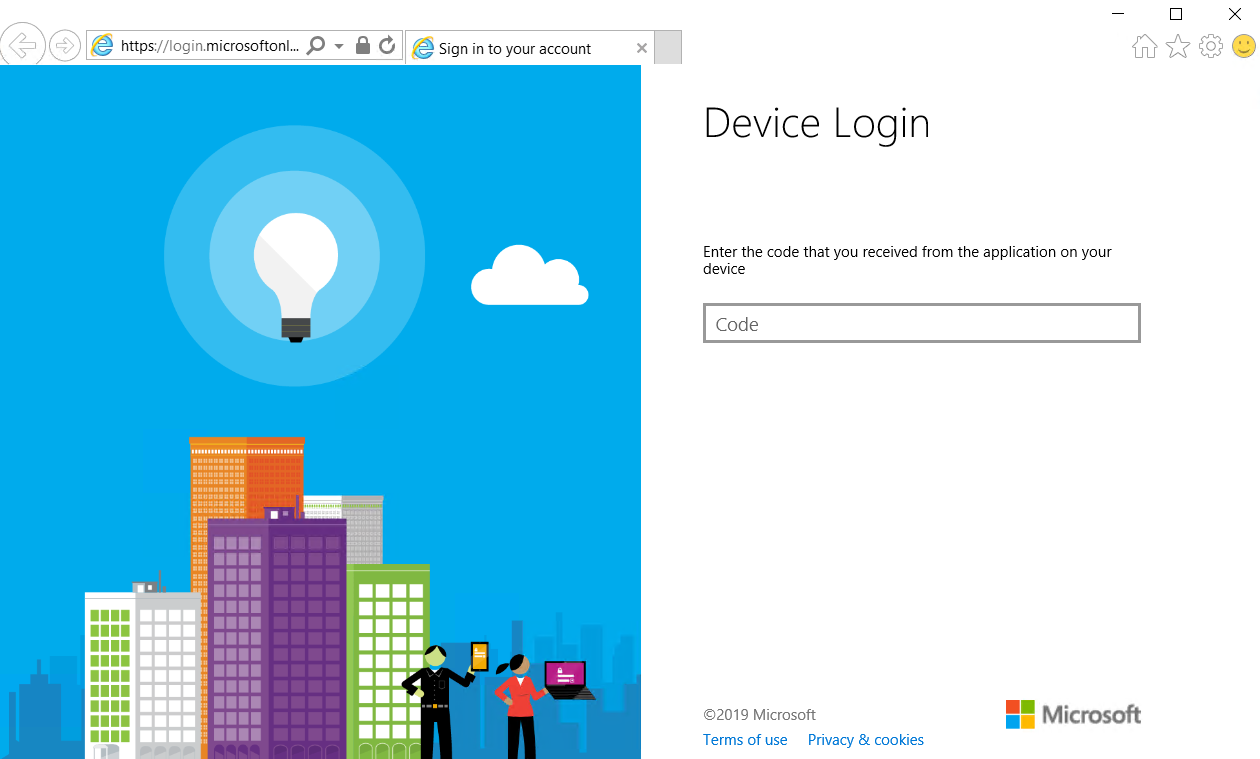
1. Select the site you wish to migrate and click next.
2. This will return the results of the pre-migration readiness checks.
3. Errors need to be resolved prior to migration. Warnings indicate that while the migration can proceed, but there may be additional configuration steps required outside of the App Service Migration Tool. For more information see [Azure App Service Migration Readiness Checks.](https://appmigration.microsoft.com/readinesschecks)



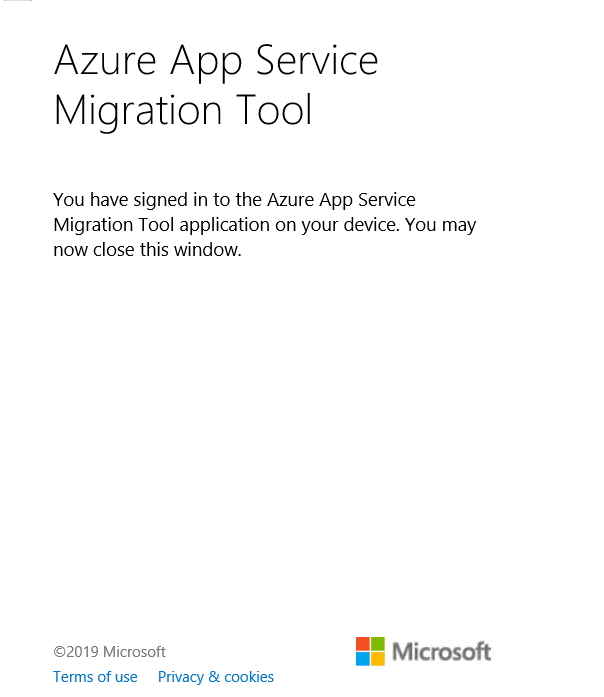
1. Click **next** to proceed.
2. You will now be at the Login to Azure page.



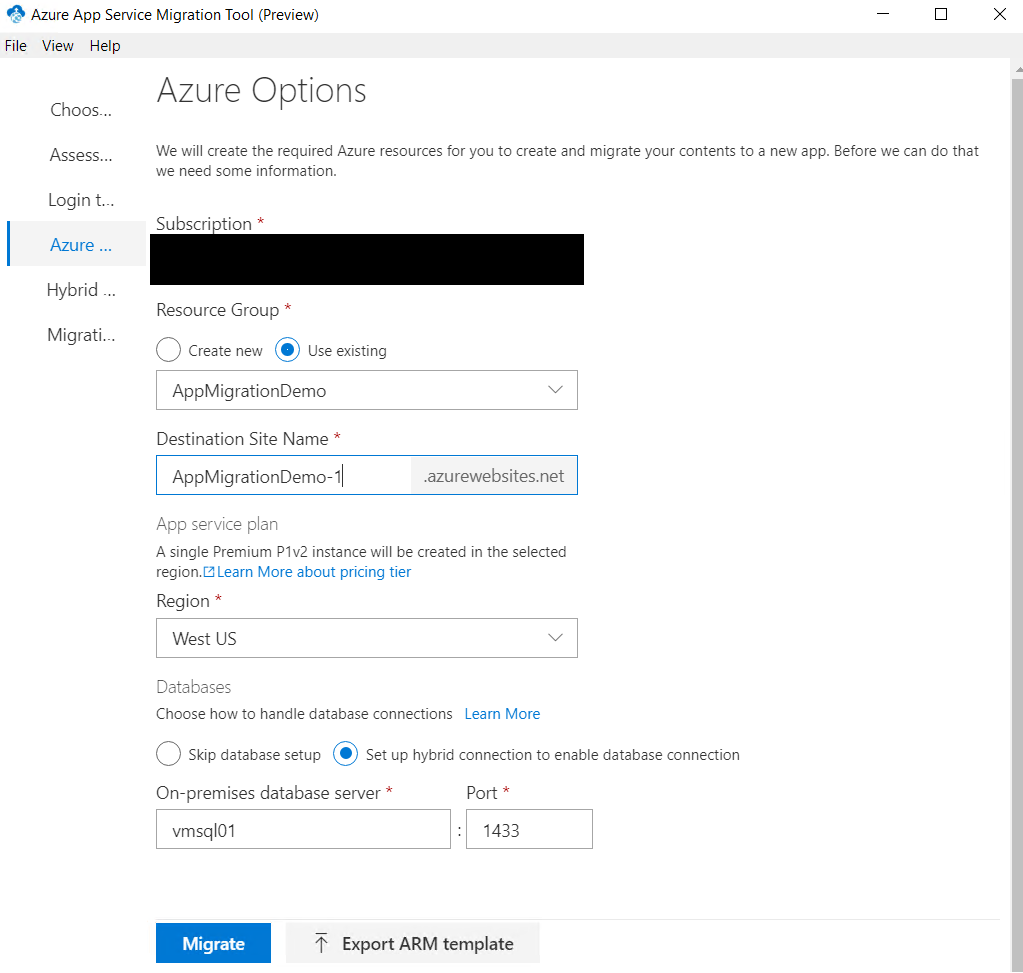
1. Click copy next to the device code. Then click login to Azure. This will launch the default a browser window. Due to Internet Explorer Enhanced security you will have to click add, to add the site as trusted. Once this is complete you should see a page like the one below.



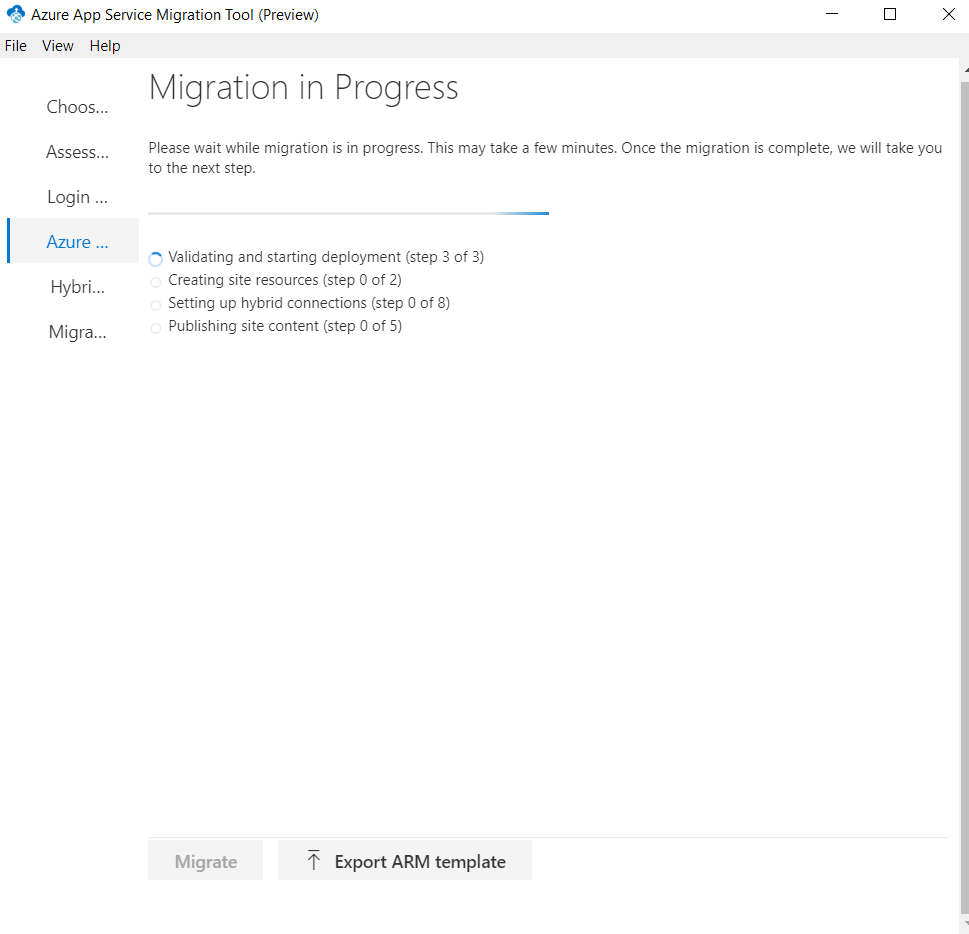
1. Copy the code into the field. Once the code is entered a continue button will appear. Click the button to continue. Note: This code expires after 10 minutes. If the code is not accepted proceed back to the assessment phase, then click next to generate a new code.
2. You will be prompted to login with your Azure account. Once you have logged in you should see a success message.



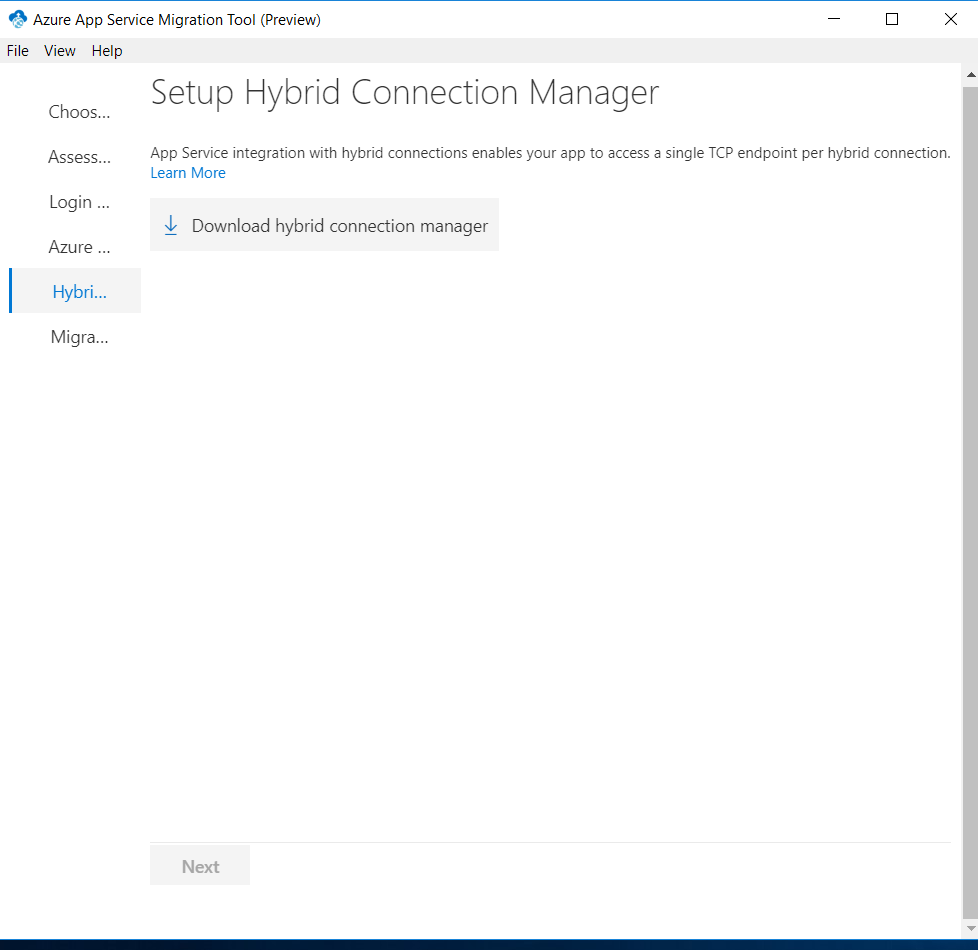
1. You may now close the browser and proceed back to the migration tool.
2. You will now need to enter a device code for your tenant. The steps are identical to the previous step. Once the second login sign in is complete, proceed back to the tool. The tool will have advanced to the Azure Options page.
3. Fill in the options below.
   1. Subscription.
   2. Resource group.
   3. Destination Site Name.
   4. Region.

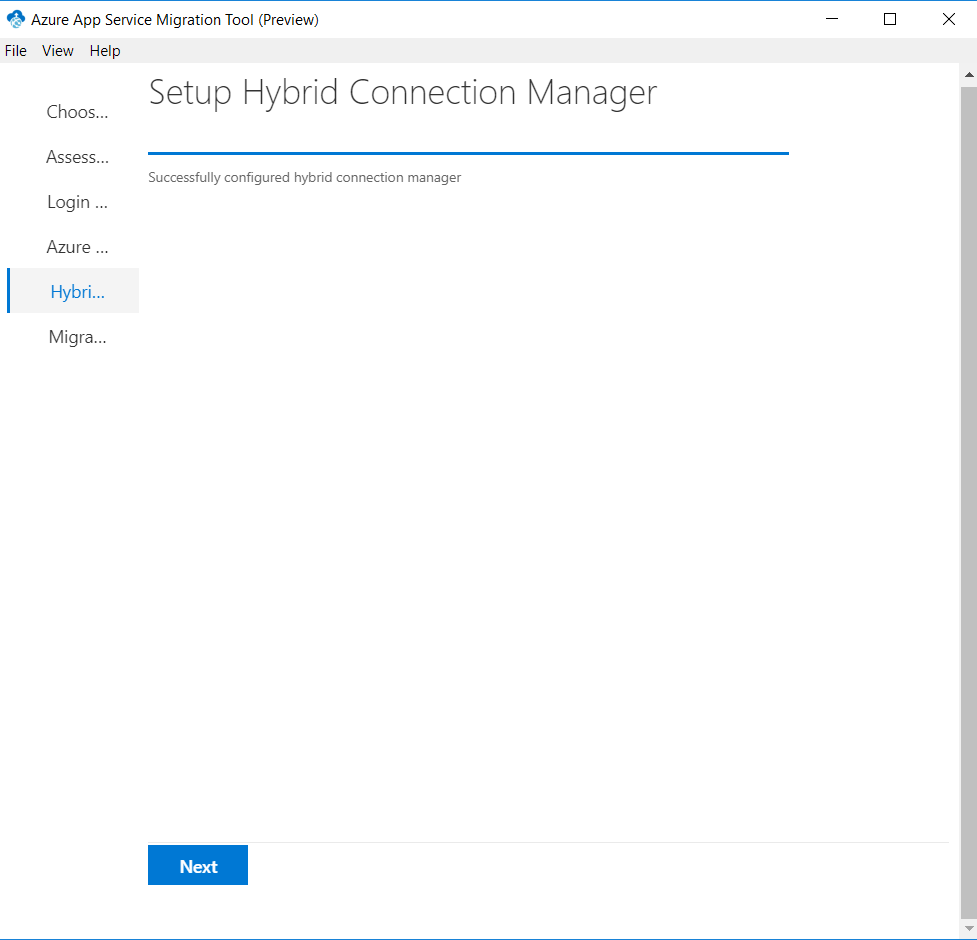


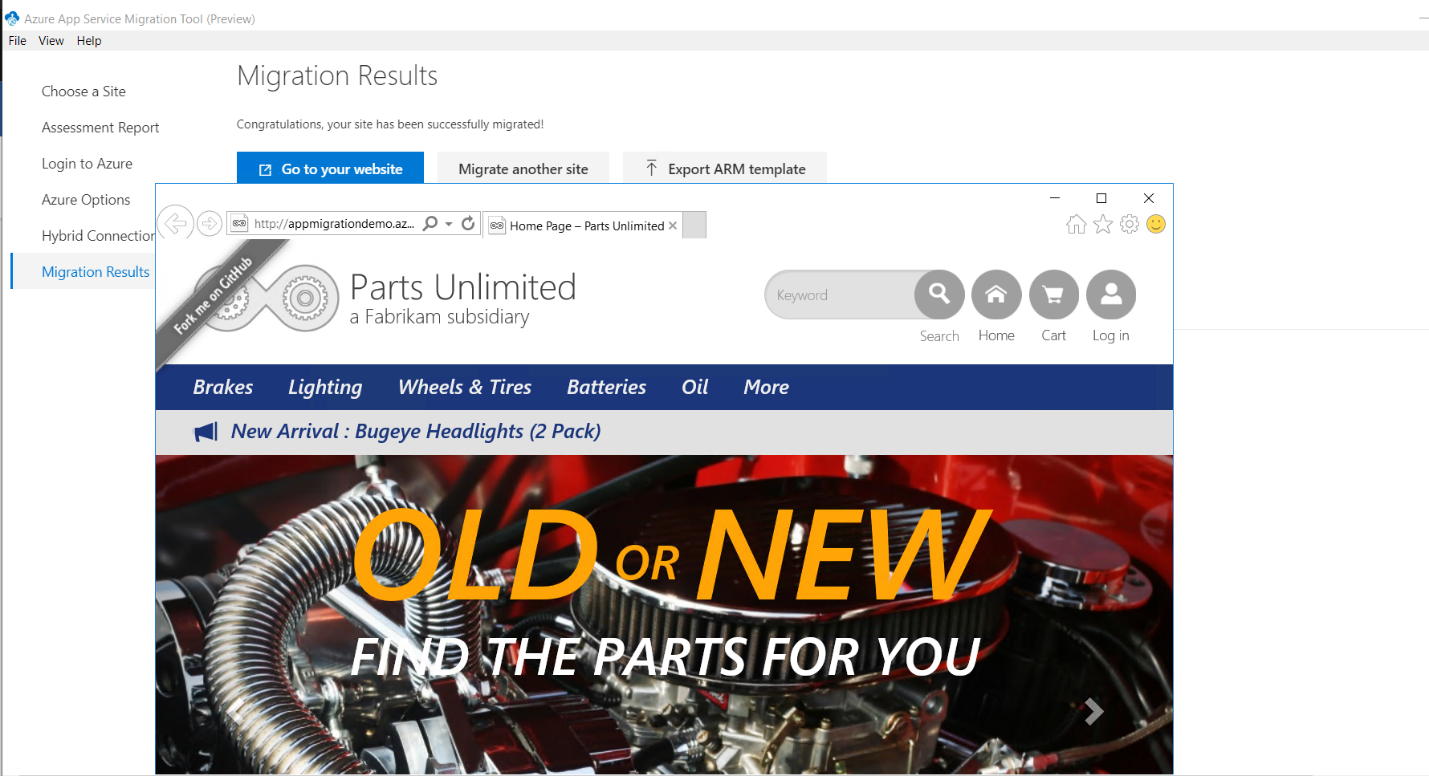
1. The last task on this page is to configure the database. You will need to choose between setting up a **hybrid connection** to your on-premises database or skipping the database setup for now. We are choosing to setup the hybrid connection to our on-premises database.
2. The tool will detect any connection settings from the web.config for the database. Click **Migrate** to proceed.
3. You will now be on the Setup **Hybrid Connection Manager** page.
4. You will now be in the Migration Progress screen. Note this may take some time depending on the size of you site and other factors.



1. Once the migration completes you will need to setup the hybrid connection. On the Setup Hybrid Connection Manager page, click the link to download the MSI for installation.



1. Once the download completes, run the MSI installer. Click the box to accept the license terms then click install. Note: The installer will now complete without any further configuration actions needed.
2. Once the Hybrid Connection Manager Completes installation the App Service Migration tool should report success.
3. 
4. Click next to view migration results page.



1. The migration is now complete. Click Go to your website. The migrated site should display.