



Step-by-step guide to installing Sitecore 9 on Microsoft Azure: Marketplace Module

by Harpreet Rana | November 03, 2017 | CMS and Technology

[Subscribe to our Digital blog via RSS](#)

Installing applications on Microsoft Azure can be intimidating to those who have never used Azure. Thankfully, the process is actually very simple. In this blog we'll show you detailed step-by-step instructions to install the Sitecore 9.0 Experience Platform on Microsoft Azure.

There are two ways to install Sitecore 9.0 on Microsoft Azure:

- 1 Using the Marketplace Module
- 2 Using ARM Templates and PowerShell

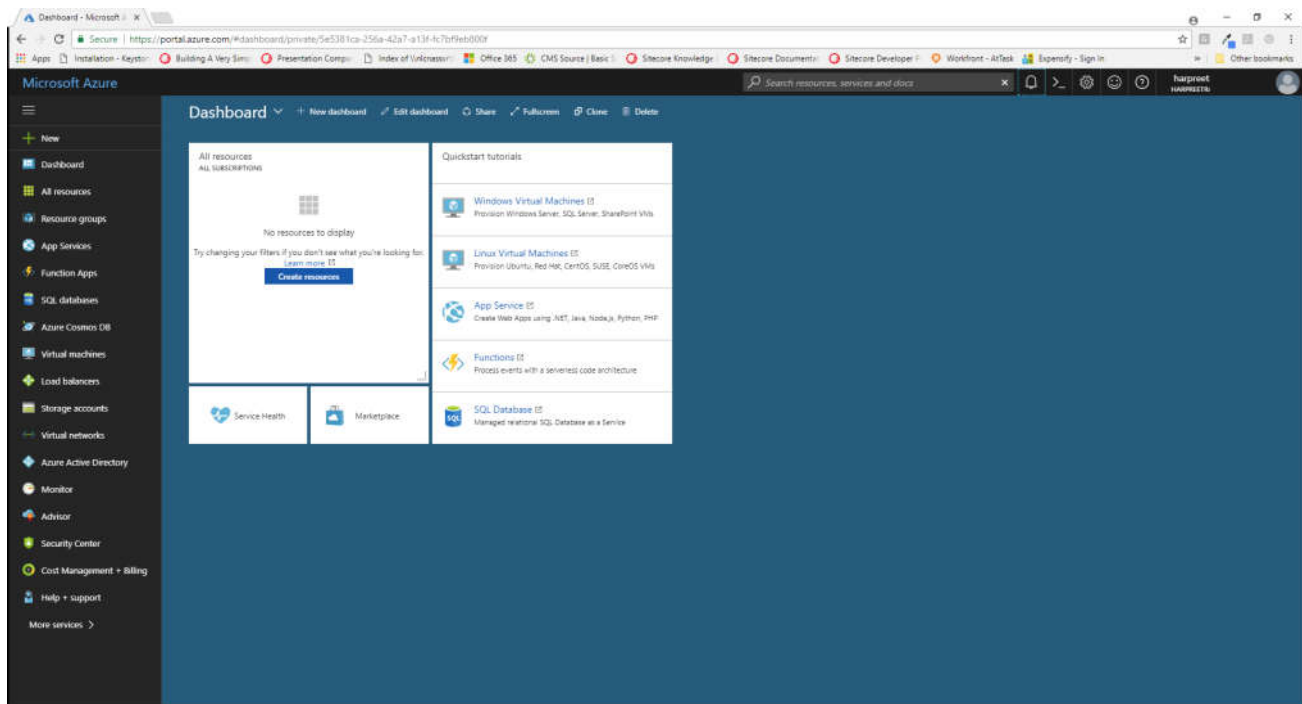
This blog focuses on using the Marketplace Module method and on what to expect during the installation. This should take some of the fear out of your minds and give you the confidence to install Sitecore 9.0.

To begin with, you need a Microsoft Azure subscription. For the sake of this article, we used the Free Trial Version. In a Free Trial version, customers receive a \$250 in Azure credits ("Credits") to be used within the first 30 days of sign-up and 12 months of select free services (services subject to change).

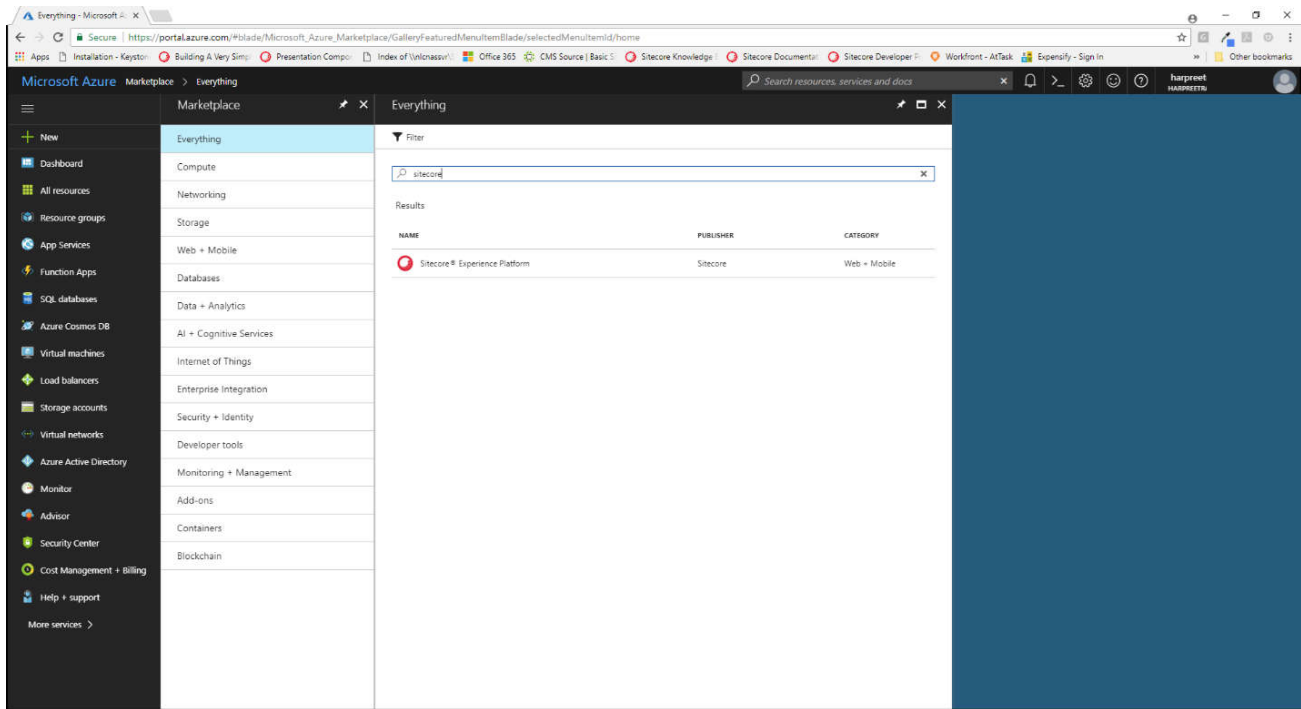
URL: <https://azure.microsoft.com/en-ca/offers/ms-azr-0044p/>

Once you obtain a free trial, you will can access your subscription at <https://portal.azure.com>

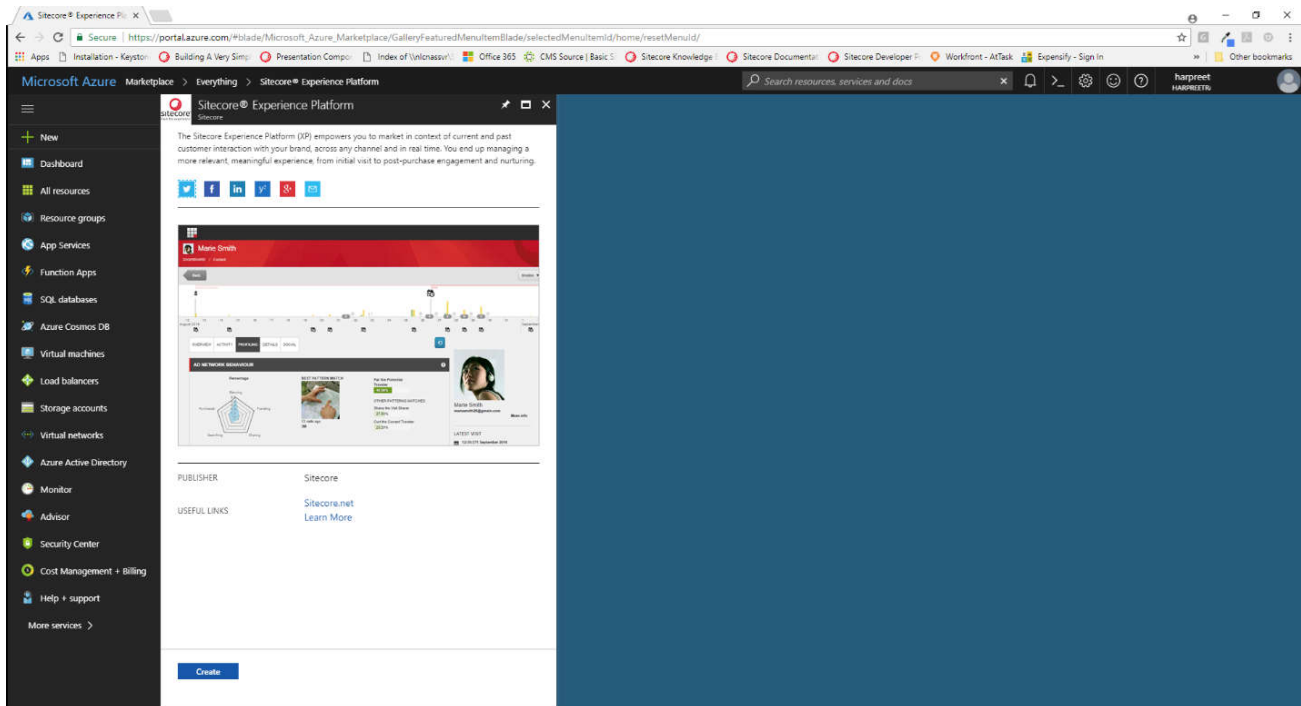
Login with your credentials and you should see your Azure Subscription screen (see below).



Next, get Sitecore Module from Marketplace. Click on the Marketplace button. This will take you to the Azure Marketplace where you can search for products. Type in "Sitecore" in the search bar to show the "Sitecore Experience Platform".



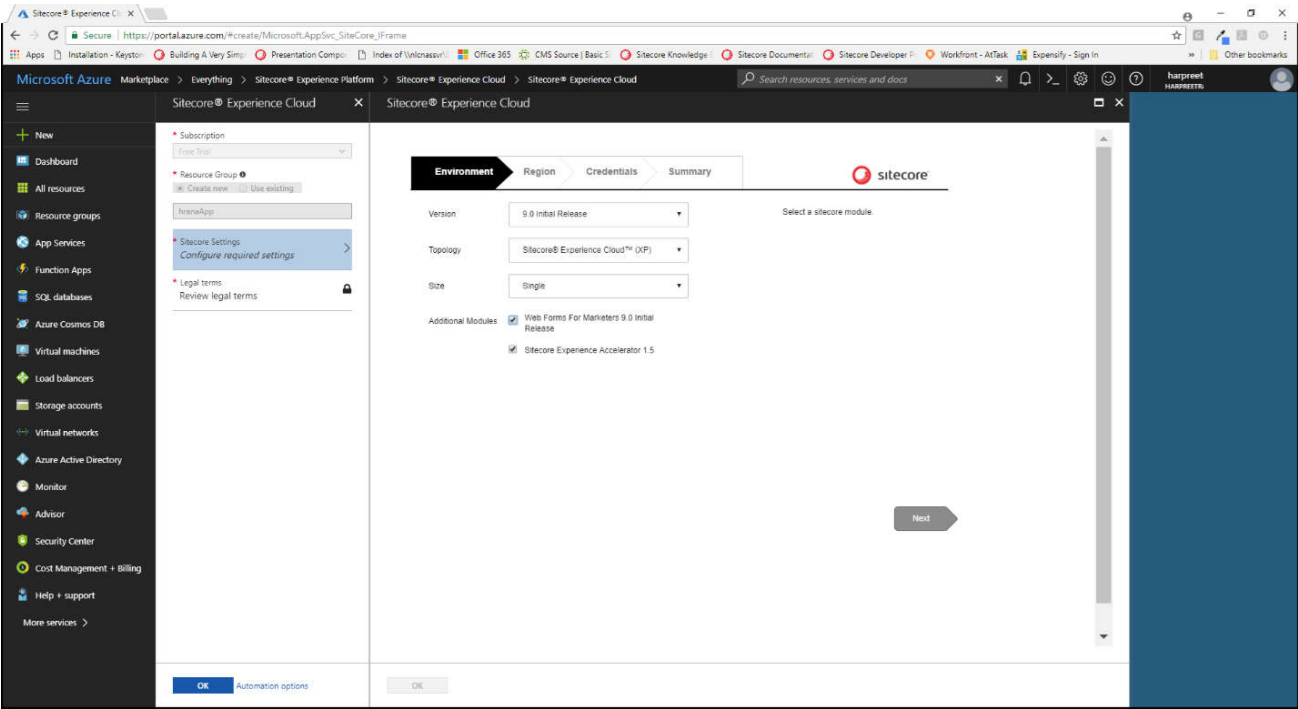
Select the "Sitecore Experience Platform" and click Create.



Next, a basic configuration screen will show up. This is required for the installation process. You will need to create a new resource group first. Our test resource group is "hranaApp".

Move on to Sitecore Settings and follow the tabs to configure according to your needs. The following screens show the settings I used.

I used "Single" topology and configuration.



You can obtain more information on Sitecore configurations and topology for Azure here:

https://doc.sitecore.net/sitecore_experience_platform/setting_up_and_maintaining/sitecore_on_azure/deploying/sitecore_configurations_and_topology_for_azure

Various Sitecore Configurations Available

You must use the right configuration to suit your Sitecore solution. Sitecore version 9.0 supports the following Sitecore configurations by default:

Configuration	Description
XP Single	<p>This is the Sitecore Experience Platform configuration that runs:</p> <p>Four Sitecore roles: Content Delivery, Content Management, Processing, and Reporting as a single WebApp instance.</p> <p>Five xConnect roles: Search, Collection, Reference Data, Marketing Automation, and Marketing Automation Reporting as a single WebApp instance.</p> <p>Use this configuration for development and testing. For security and scalability reasons, it is best practice to use the XM or XP configuration in production environments.</p>
XP	<p>This is the Sitecore Experience Platform configuration that runs:</p> <p>Four Sitecore roles: Content Delivery, Content Management, Processing, and Reporting.</p> <p>Five xConnect roles: Search, Collection, Reference Data, Marketing Automation, Marketing Automation Reporting.</p> <p>Use this environment when you are planning a fully featured Sitecore Experience Platform installation.</p>
XMSingle	<p>This is the Sitecore Experience Management configuration that runs the Content Delivery and Content Management roles as a single WebApp instance. Use this configuration for development and testing when you are not planning to use the Analytics and Marketing features of the Sitecore Experience Platform (that is, in CMS-only mode).</p>
XM	<p>This is the Sitecore Experience Management configuration that runs both the Content Delivery and Content Management roles. Use this environment when you are not planning to use the Analytics and Marketing features of the Sitecore Experience Platform (that is, in CMS-only mode).</p>
xDBSingle	<p>This is the Sitecore Experience Database configuration that runs:</p> <p>Two Sitecore roles: Processing and Reporting as a single WebApp instance.</p> <p>Five xConnect roles: Search, Collection, Reference Data, Marketing Automation, and Marketing Automation Reporting as a single WebApp instance.</p> <p>Use this configuration for development and testing in combination with an on-premise Sitecore XM installation to provide the</p>

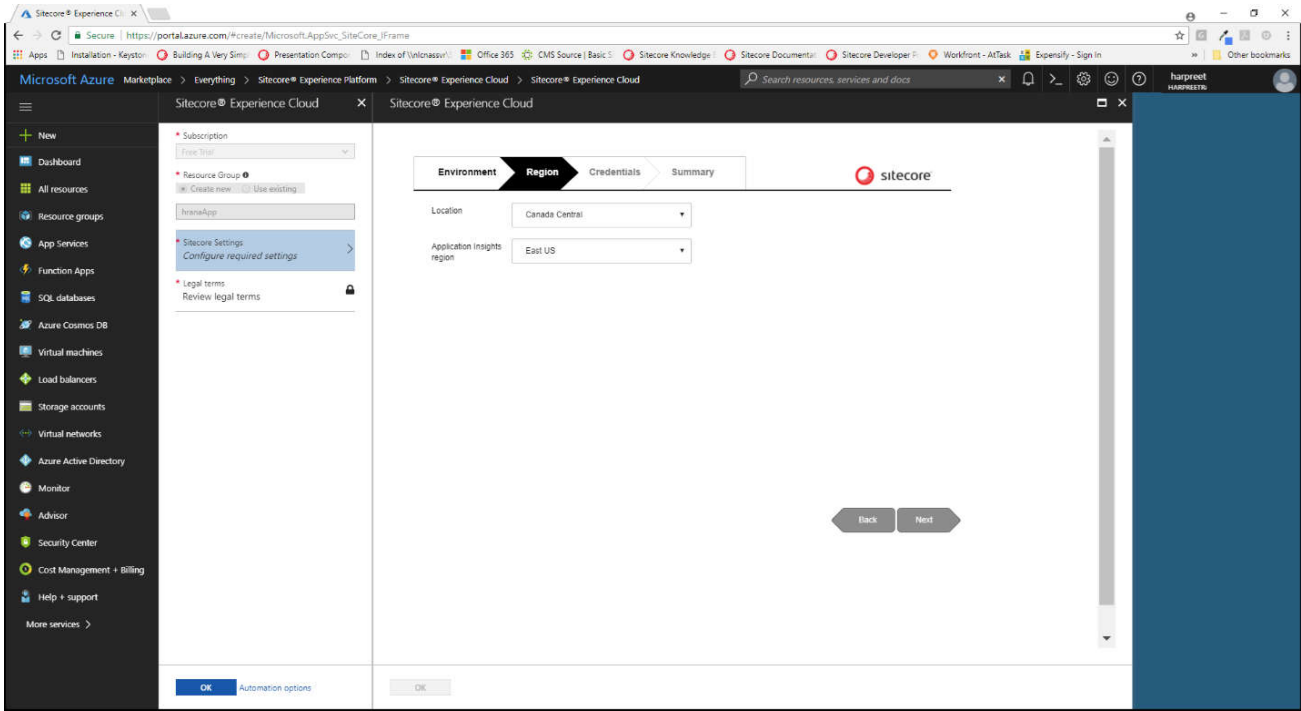
xDB	<p>This is the Sitecore Experience Database configuration that runs:</p> <p>Two Sitecore roles: Processing, and Reporting.</p> <p>Five xConnect roles: Search, Collection, Reference Data, Marketing Automation, and Marketing Automation Reporting.</p> <p>Use this environment in combination with an on-premise Sitecore XM installation to provide the Experience Database features.</p>
-----	--

Table Courtesy and Reference of/from Sitecore:

https://doc.sitecore.net/sitecore_experience_platform/setting_up_and_maintaining/sitecore_on_azure/deploying/walkthrough_deploy_a_new_sitecore_environment

I used "Single" topology and configuration.

Moving further into my install...



For the sake of this blog below are the credentials we used. You can choose your own.

Sitecore admin pwd: Temp1234
SQL: hrana
PWD: Temp1234
Cert: hranacert
Pwd: Temp1234

Environment **Region** **Credentials** **Summary**

Sitecore

Sitecore Administrator password:

Sitecore Administrator password confirmation:

SQL Server login:

SQL Server password:

SQL Server password confirmation:

License XML: license.xml

Authentication Certificate: ☒ Autogenerate self-signed certificate ☐ Existing

Common Name of Certificate:

Certificate password:

Automation options

Environment **Region** **Credentials** **Summary**

Sitecore

Version	9.0 Initial Release	SQL Server login	hrana
Topology	Sitecore® Experience Cloud™ (XP)	SQL Server password	<input type="password"/>
Size	Single	SQL Server password confirmed	<input type="password"/>
Deployment ID	hranaApp-637130	License XML	license.xml
Sitecore Administrator password	<input type="password"/>	License information	Id: 20170903115356 Nonlinear Creations, Inc. - CAN Exp: 03/09/2018
Sitecore Administrator password confirmed	<input type="password"/>	Common Name of Certificate	hranacert
		Certificate Valid until	02/11/2027, 7:45 am
		Certificate ThumbPrint	cc9f0219dc5557bc599a87342334808a2eb3eab

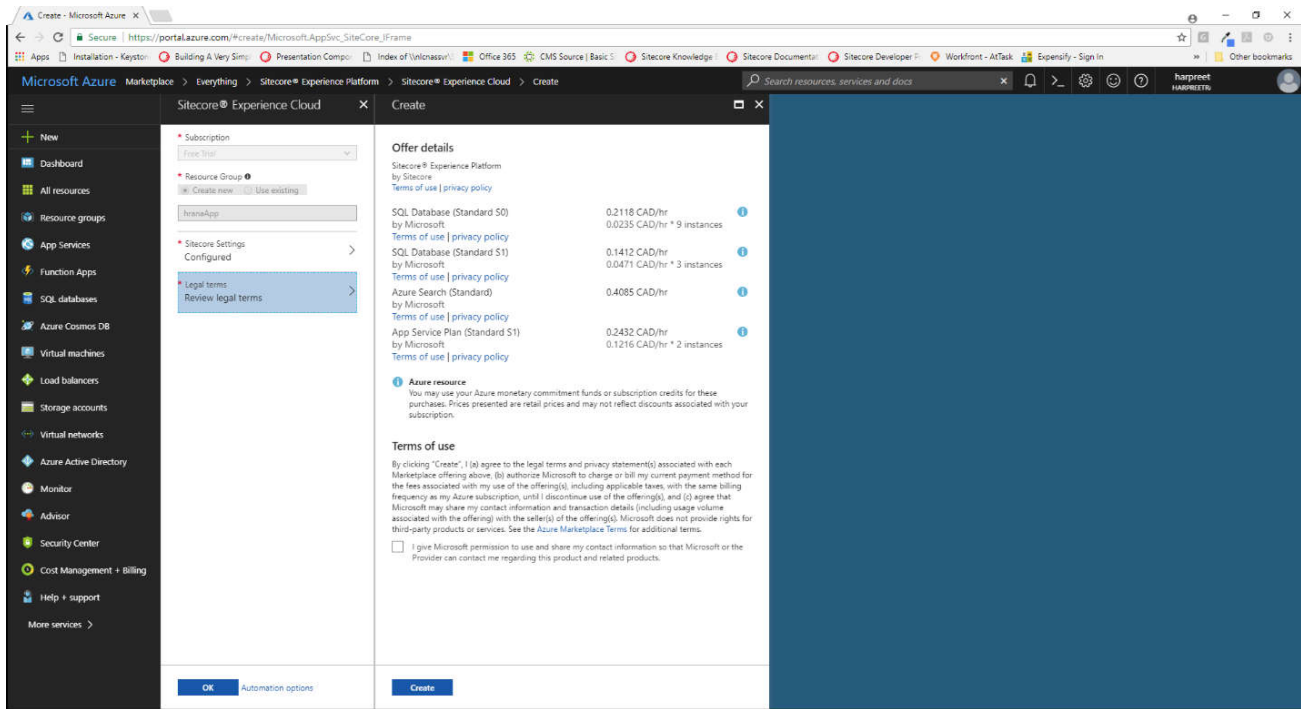
Modules

Web Forms For Marketers 9.0 Initial Release	<input checked="" type="checkbox"/>
Sitecore Experience Accelerator 1.5	<input checked="" type="checkbox"/>

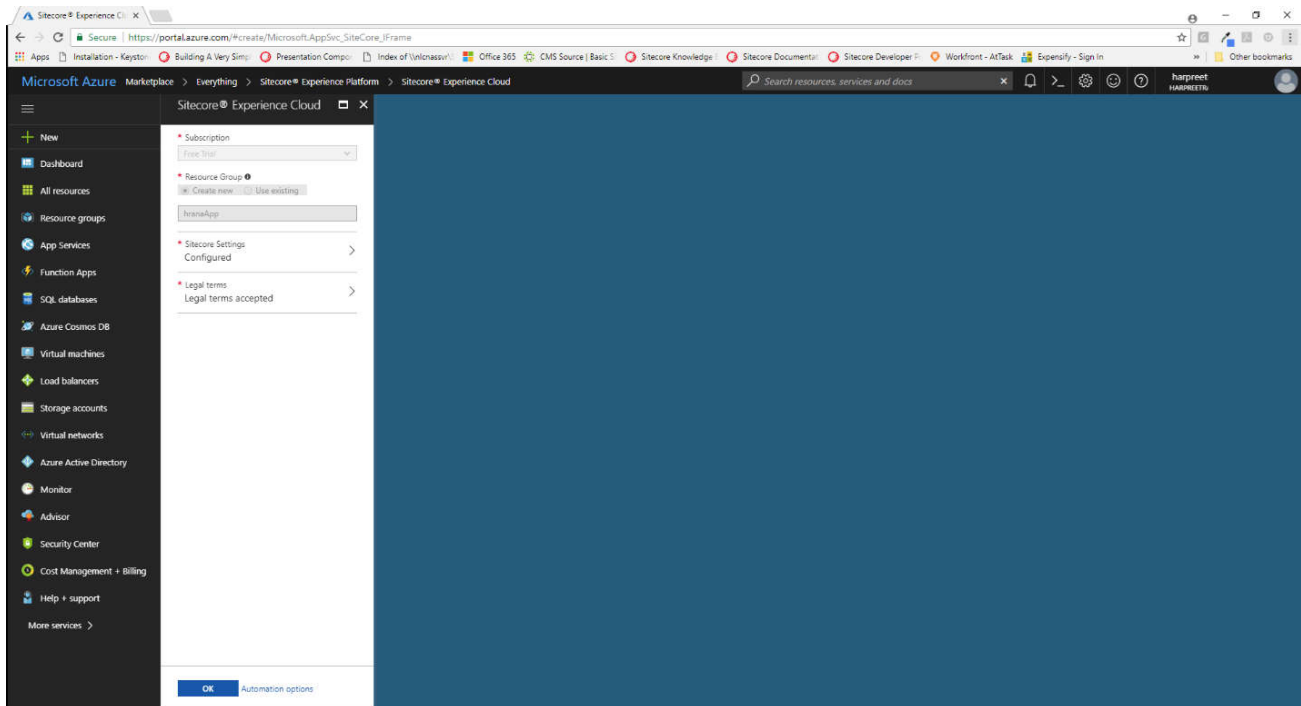
Confirm your Sitecore settings have been configured correctly. Click OK to exit.

Click OK to continue to Legal Terms.

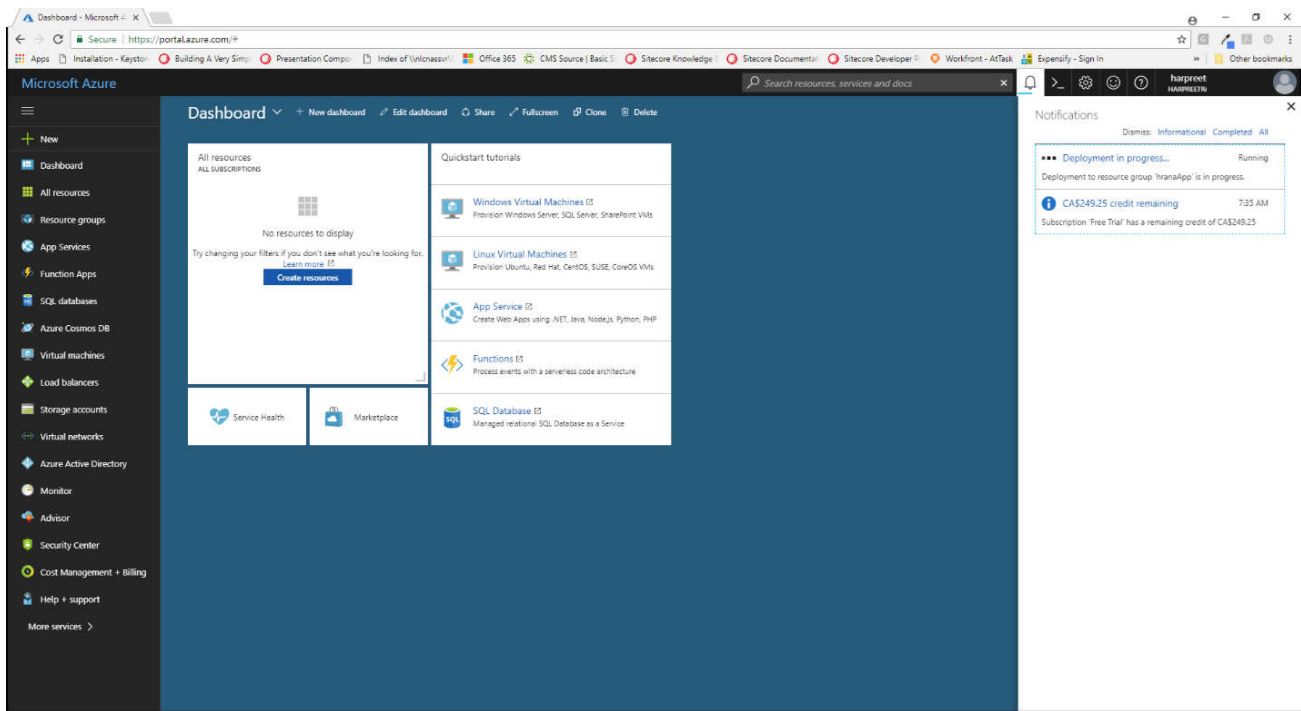
Click Legal Terms.



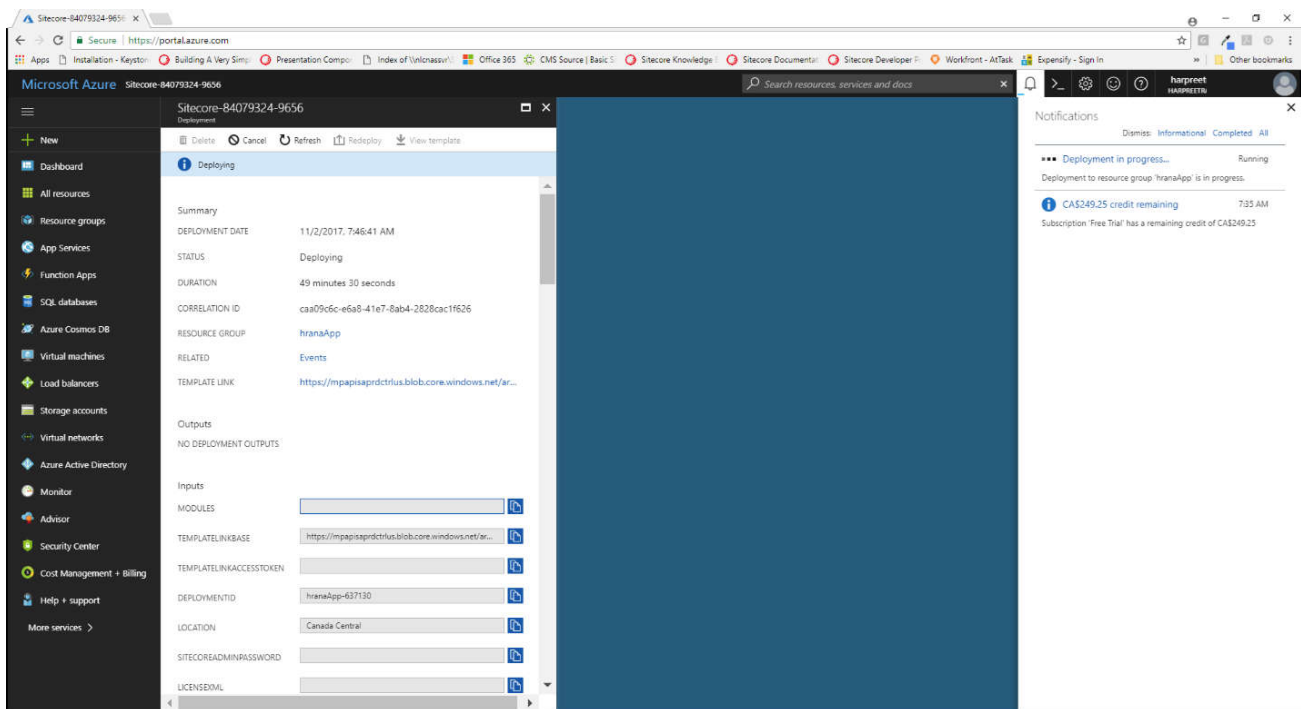
Click Create.



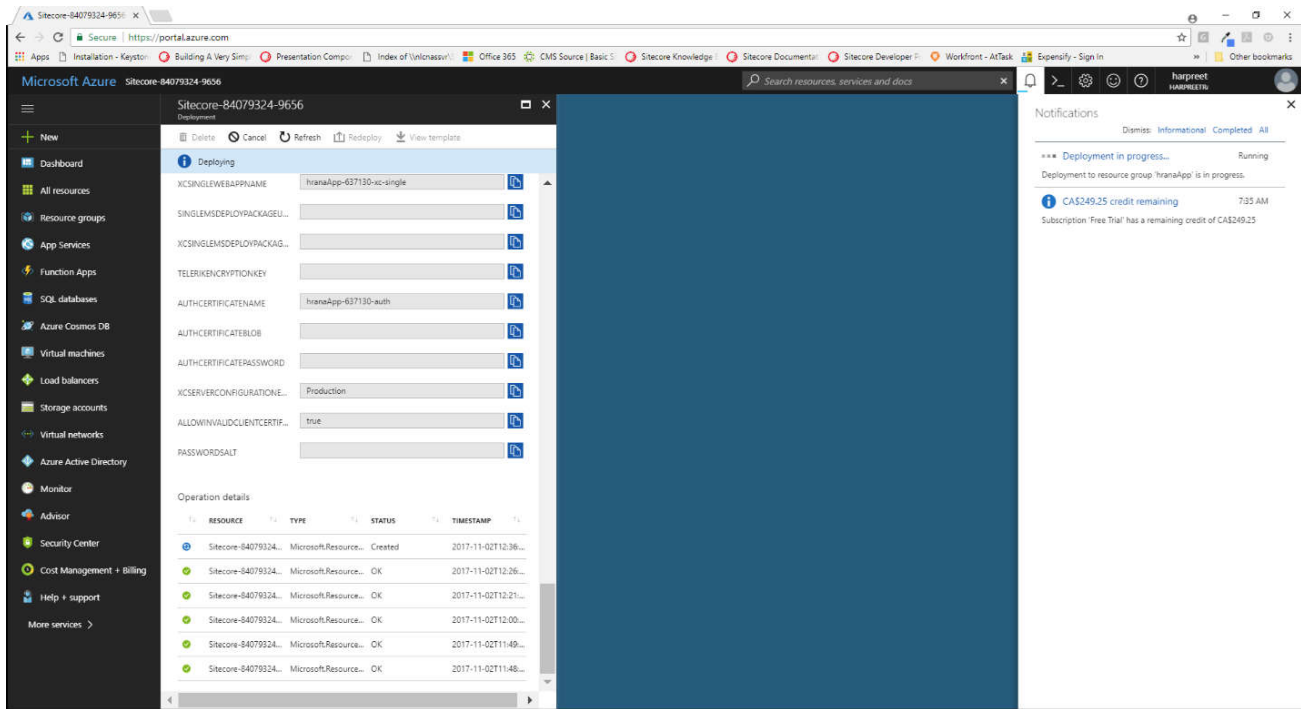
Click OK.



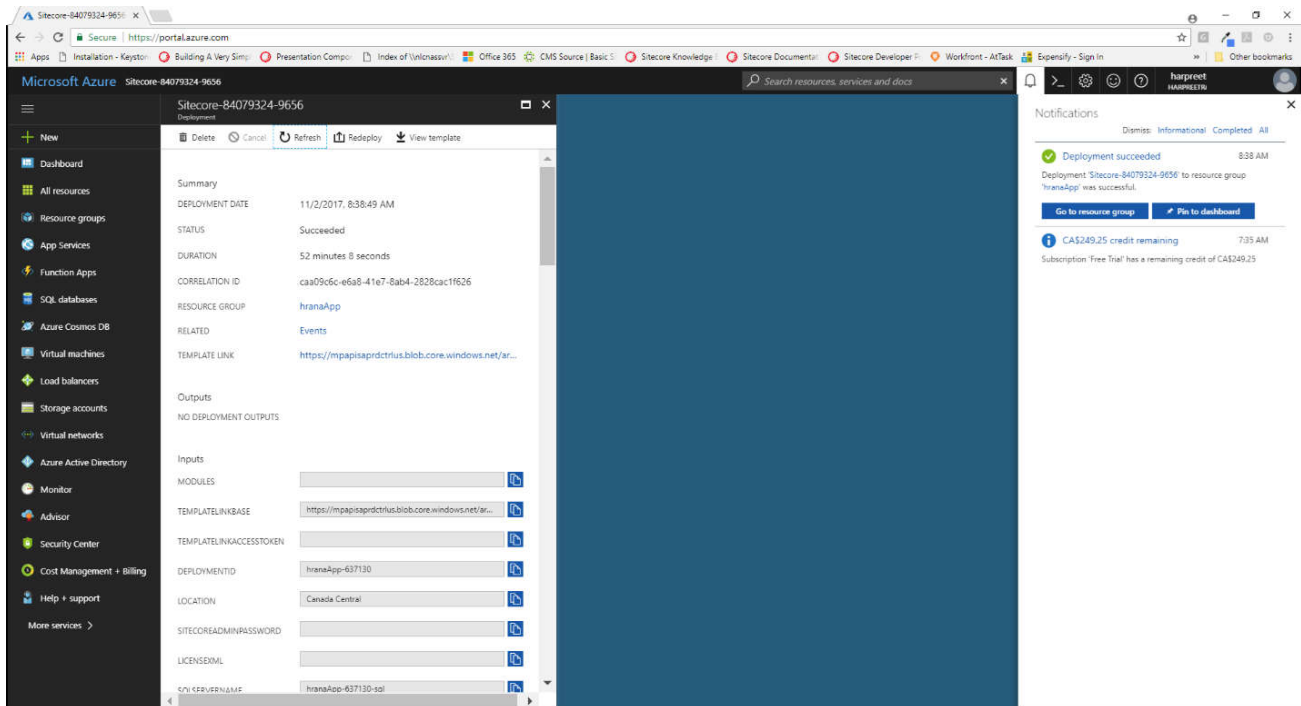
It was as simple as one would think. Deployment starts. You can see the status in the Notification Panel. You can click on the 'Deployment in Progress...' to get more details.



You can scroll down to see the various resources being installed.



Usually the time to install varies. In our case it took 52 minutes and 8 seconds. You'll receive a Deployment Complete Notification.



Click "Pin to Dashboard".

The screenshot shows the Microsoft Azure portal interface for the 'hranaApp' resource group. The left sidebar contains navigation links for various Azure services. The main pane displays the 'Overview' tab, showing a list of 19 resources. The resources are categorized by type, including Application Insights, Search service, App Service, and various SQL databases. A notifications panel on the right indicates that the deployment was successful and shows the remaining credit for the 'Free Trial' subscription.

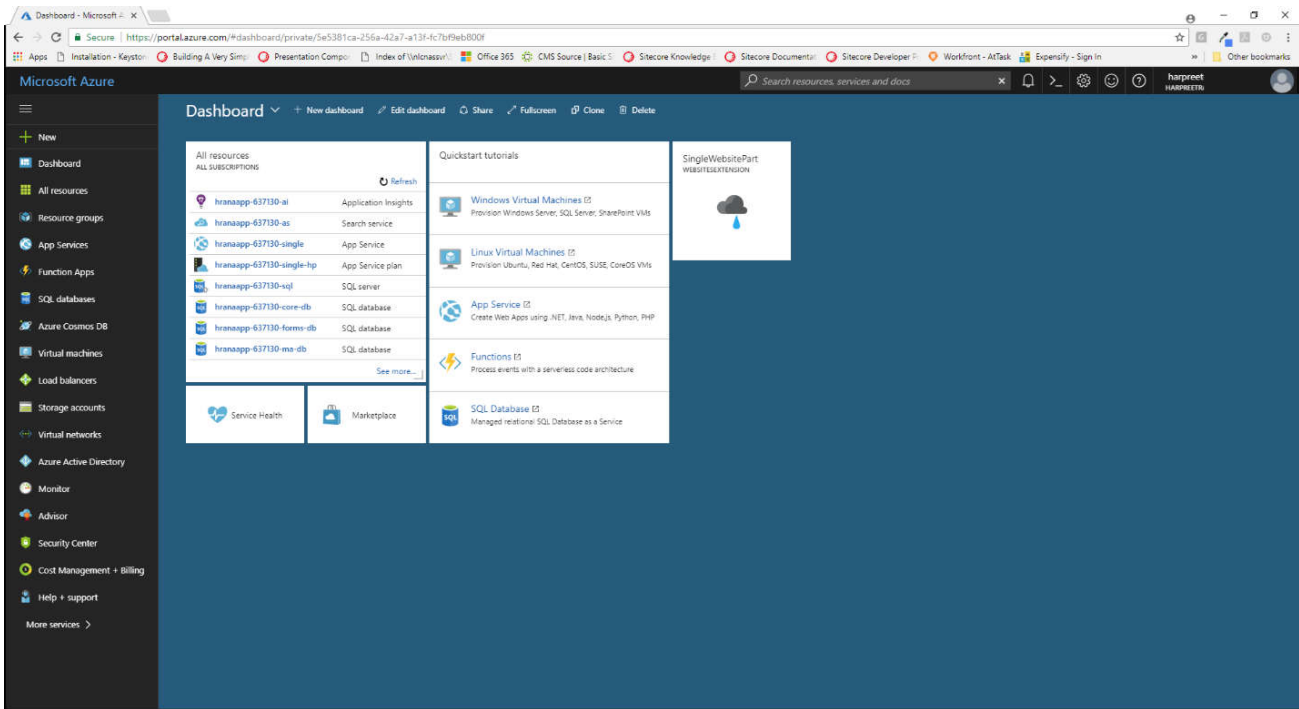
NAME	TYPE
hranaapp-637130-ai	Application Insights
hranaapp-637130-as	Search service
hranaapp-637130-single	App Service
hranaapp-637130-single-hp	App Service plan
hranaapp-637130-sql	SQL server
hranaapp-637130-core-db	SQL database
hranaapp-637130-forms-db	SQL database
hranaapp-637130-ma-db	SQL database
hranaapp-637130-master-db	SQL database
hranaapp-637130-pools-db	SQL database
hranaapp-637130-veldata-db	SQL database
hranaapp-637130-reporting-db	SQL database
hranaapp-637130-shard0-db	SQL database
hranaapp-637130-shard1-db	SQL database
hranaapp-637130-smm-db	SQL database
hranaapp-637130-tasks-db	SQL database
hranaapp-637130-web-db	SQL database
hranaapp-637130-ss-single	App Service

Click Go to Resources to see the complete list of resources installed.

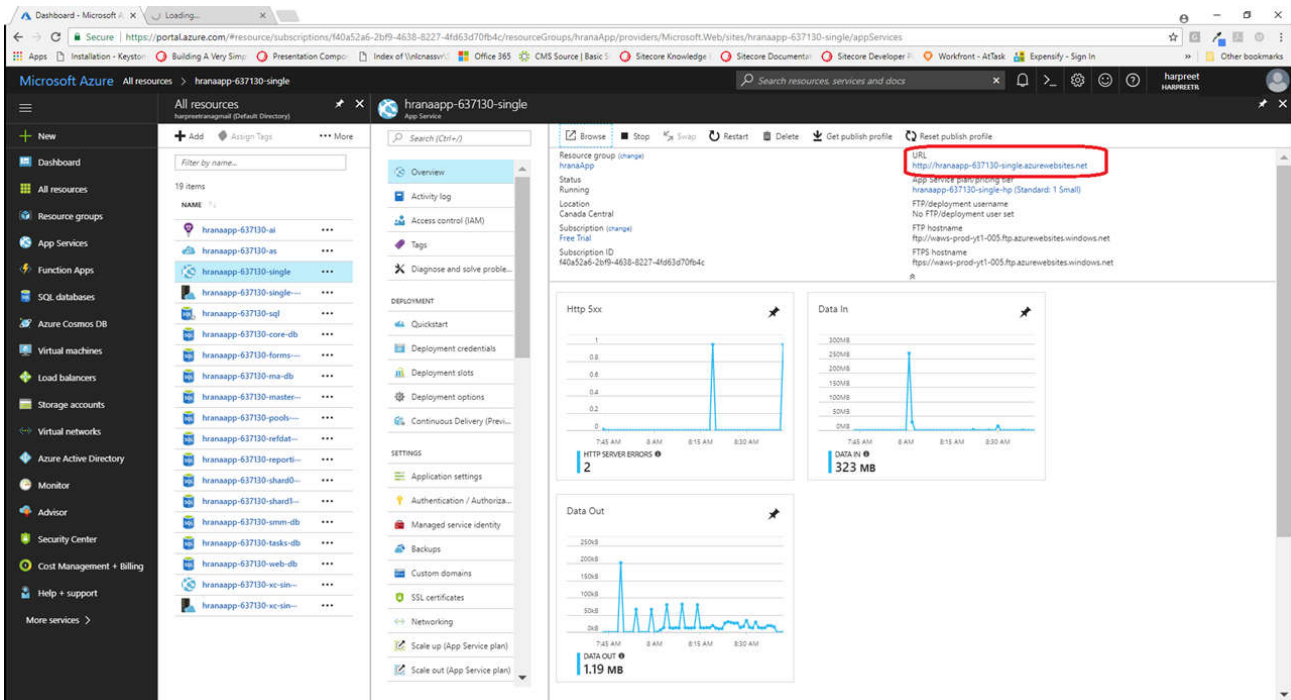
The screenshot shows the Microsoft Azure portal interface for the 'hranaApp' resource group. The left sidebar contains navigation links for various Azure services. The main pane displays the 'Overview' tab, showing a list of 19 resources. The resources are categorized by type, including Application Insights, Search service, App Service, and various SQL databases. The resources are listed with their names, types, and locations.

NAME	TYPE	LOCATION
hranaapp-637130-ai	Application Insights	East US
hranaapp-637130-as	Search service	Canada Central
hranaapp-637130-single	App Service	Canada Central
hranaapp-637130-single-hp	App Service plan	Canada Central
hranaapp-637130-sql	SQL server	Canada Central
hranaapp-637130-core-db	SQL database	Canada Central
hranaapp-637130-forms-db	SQL database	Canada Central
hranaapp-637130-ma-db	SQL database	Canada Central
hranaapp-637130-master-db	SQL database	Canada Central
hranaapp-637130-pools-db	SQL database	Canada Central
hranaapp-637130-veldata-db	SQL database	Canada Central
hranaapp-637130-reporting-db	SQL database	Canada Central
hranaapp-637130-shard0-db	SQL database	Canada Central
hranaapp-637130-shard1-db	SQL database	Canada Central
hranaapp-637130-smm-db	SQL database	Canada Central
hranaapp-637130-tasks-db	SQL database	Canada Central
hranaapp-637130-web-db	SQL database	Canada Central
hranaapp-637130-ss-single	App Service	Canada Central

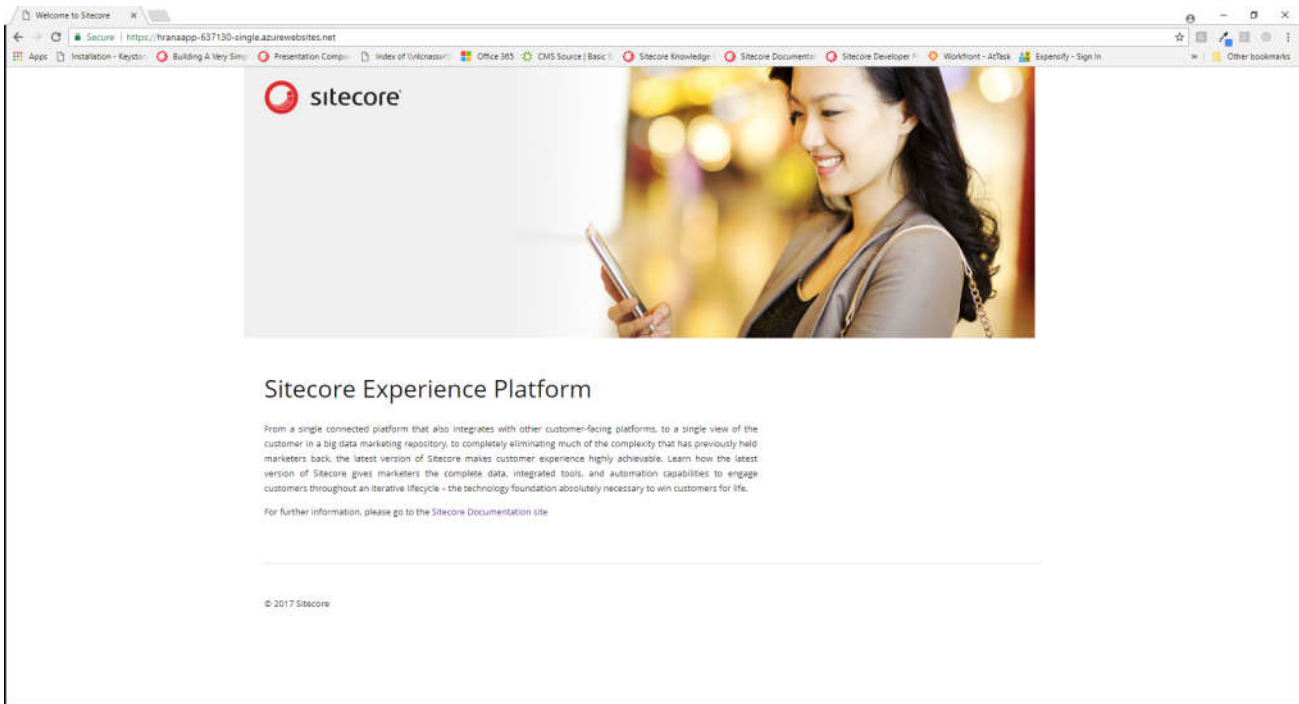
Similarly, you can see the resources in the Dashboard, as well.



Let us see Sitecore in action. Click on the “xxxx-single” resource. You will see the public URL in the right pane.



Sitecore Default Page:



You can also access the Content Management Instance by logging into Sitecore using the <hostname>/sitecore/login Example: URL.

<https://hranaapp-637130-single.azurewebsites.net/sitecore/login>

