Learner Guide – Azure App Dev

(1) Download source code from - https://git.io/vFQUN

(2) Create Azure SQL PaaS database Instance (S0 Tier)
   a. Create a New Resource → SQL Database → Create
   b. Use the following to create a new database instance and database server
      Database Name: mytododb_<initial>
      Resource Group: mytododb_<initial>
      Select Source: Blank Database
      Server → Create New
         Server Name: mytododbserver<initial>
         Server Admin Login: <user_id>
         Location: East US
      Pricing Tier: S0, Storage 1GB

SQL Database ✕

* Database name

`mytododb_hd` ✓

* Subscription

Harshal Internal Subscription ⌄

* Resource group ⓘ

⦿ Create new   ◯ Use existing

`mytodoapp_hd` ✓

* Select source ⓘ

Blank database ⌄

* Server
Configure required settings ❯

Want to use SQL elastic pool? ⓘ
◯ Yes   ⦿ Not now

* Pricing tier ⓘ 🔒
Configure required settings

* Collation ⓘ

`SQL_Latin1_General_CP1_CI_AS`

Server ✕

➕   Create a new server

─────────────────

No servers found

New server ✕

* Server name

`mytododbserverhd` ✓
.database.windows.net

* Server admin login

`hadharia` ✓

* Password

`•••••••••••••` 🔟 ✓

* Confirm password

`•••••••••••••` 🔟 ✓

* Location

East US ⌄

☑ Allow azure services to access server ⓘ

Configure performance ⧉ ✕

♥ Feedback

Basic	Standard	Premium	PremiumRS
For less demanding workloads	For most production workloads	For IO-intensive workloads.	For IO-intensive workloads with reduced availability and durability needs. (Preview)
5 DTU	10-3000 DTU	125-4000 DTU	125-1000 DTU
Starting at 4.99 USD / month	Starting at 15.00 USD / month	Starting at 465.00 USD / month	Starting at 116.25 USD / month

DTU (10-3000 DTU) - What is a DTU? ⧉

	10 (S0)	15.00 USD

Storage (100 MB-250 GB)

	1 GB	0.00 USD

	Monthly cost	15.00 USD

(3) Create Azure Webapp & App Service Plan (S1 Tier)

    a. Create a new resource → Webapp → Create

       App Name: mytodoapp\<initial>
       Resource Group: mytodoapp_\<initial> (Created previously)
       OS: Windows
       App Service Plan → Create New
           App Service Plan: mytodoapp-sp-\<initial>
           Location: East US
           Pricing Tier: S1 Standard

Web App
Create

App Service plan
Select a plan for the web app

New App Service Plan
Create a plan for the web app

* App name
mytodoapphd ✓
.azurewebsites.net

* Subscription
Harshal Internal Subscription ▾

* Resource Group ❶
○ Create new   ● Use existing
mytodoapp_hd ▾

* OS   Windows   Linux

* App Service plan/Location
ServicePlan9eab36d1-be9c(Sout... ❯

Application Insights ❶   On   Off

An App Service plan is the container for your app. The App Service plan settings will ⬈ determine the location, features, cost and compute resources associated with your app.

＋ Create new

ServicePlan9eab36d1-be9c(P1)
South Central US   1 instance(s)

* App Service plan
mytodoapp-sp-hd ✓

* Location
East US ▾

* Pricing tier
S1 Standard ❯

(4) Update the application setting with connection string information – "MyDbConnection"
  a. Retrieve Connection String from Resource Groups → mytododb_<initial> → connection strings
  b. Update the connection string with user id and password used to create the database server
  c. Set the connection in application settings from Resource Groups → mytodoapp_<initial> → mytodoapp<initial> (Webapp/App Service) → application settings
  d. Add "MyDbConnection" under connection string

mytodoapphd - Application settings
App Service

🔍 Search (Ctrl+/)   «

💾 Save   ✕ Discard

Debugging

Remote debugging   Off   On

Remote Visual Studio version   2012   2013   2015   2017

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

DEPLOYMENT

Quickstart
Deployment credentials
Deployment slots
Deployment options
Continuous Delivery (Preview)

SETTINGS

Application settings

App settings

| WEBSITE_NODE_DEFAULT_VERSION | 6.9.1 | ☐ Slot setting | ··· |
| Key | Value | ☐ Slot setting | ··· |

Connection strings

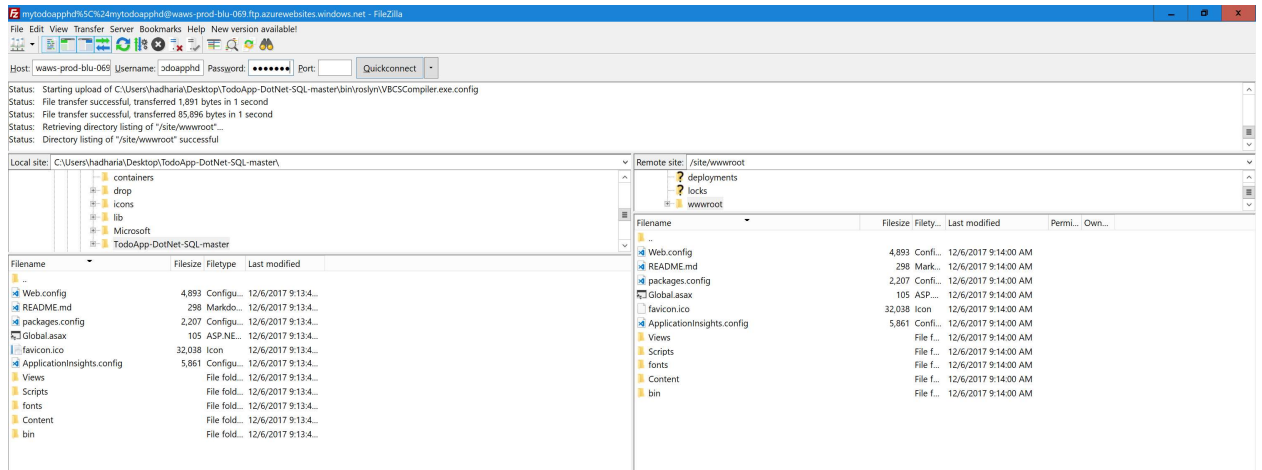| MyDbConnection | Value | SQL Database ▾ | ☐ Slot setting | ··· |
| Name | Value | SQL Database ▾ | ☐ Slot setting | ··· |

Default documents

Default.htm   ···
Default.html   ···
Default.asp   ···

  e. Save
(5) Deploy code via FTP or Kudu Console using publish profile credentials.
  a. Get Publish profile credentials
  b. Login into the ftp endpoint as per the link on Overview blade
  c. Upload source code into site/wwwroot folder.

(6) Navigate to the main URL under overview blade to see functioning todo app.