Deploying DebReg to Microsoft Azure

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# Create the Web Application in Azure

1. Log in to the Azure portal.
2. In the left pane, click **New**.
3. In the New blade, in the **Search the marketplace** field, type **Web App + SQL**.
4. In the Everything blade, under click **Web App + SQL**.
5. In the Web App + SQL blade, click **Create**.
6. In the Web App + SQL blade, click on **App Service Name**.
7. In the Web App pane, enter a unique URL for your web app. Under **Create a new AppService plan**, type a unique name, e. g. DebRegPlan. Click **Pricing tier**.
8. In the Choose your pricing tier blade, click **View all**. Click a pricing tier, e. g. **F1 Free** and click **Select**.
9. In the Web App blade, click **Location**.
10. In the Location blade, select a location to create the web app in. This should be a location close to the majority of your users.
11. In the Web App blade, click **OK**.
12. In the Web App + SQL blade, click **Database**.
13. In the New database blade, under **Name** type a unique name for the database, e. g. **debreg-db**. Click **Pricing** tier.
14. In the Choose your pricing tier blade, click a pricing tier, e. g. **F Free**. Click **Select**.
15. In the New database blade, under **Collation**, make sure, **SQL\_Latin1\_General\_CP-CI\_AS** is selected. Click **Server**.
16. In the New server blade, under **Sever name**, type a unique server name for the database server. Type a name for the **Server admin login**, e. g. **debreg**. Under **Password** and **Confirm password**, type a strong password. Make sure, the location is the same as for the web app. Click **OK**.
17. If the New database blade, shows Error loading tile, click **Click to reload**.
18. In the New database blade, click **OK**.
19. In the Web App + SQL blade, under **Create new resource group**, enter a unique name for the resource group, e. g. **debreg-group**. Make sure, the correct **Subscription** is selected and the **Pin to dashboard** checkbox is selected. Click **Create**. Wait until all resources are created.

# Configure App Settings

1. On the dashboard click the resource group.
2. In the resource group blade, under Resources, click the web application.
3. In the Settings blade, under **GENERAL**, click **Application settings**.
4. In the Application settings blade, under **App settings**, in the field **Key**, type **AES\_IV**. In the field **Value** type the IV, created by CreateKeys. In the next line in the field **Key**, type **AES\_KEY**. In the field **Value**, type the Key, created by CreateKeys. On the top of the blade, click **Save**.

# Deploy the Application

1. From the context menu of the project **DebReg.Web** select **Publish…**
2. On the Profile page, click **Microsoft Azure App Service**.
3. In the App Service window, if necessary, add the account containing your Azure subscription. Select the **Subscription**. Select the web app, you created. Click **OK**.
4. On the Connection page, click **Next**.
5. On the Settings page, under Configuration select Release. Uncheck **Use this connection string at runtime (update destination web.config)**. Check **Update dtabase**. Click **Next**.
6. On the Preview Page, click **Start Preview**. Review the changes and click **Publish**.