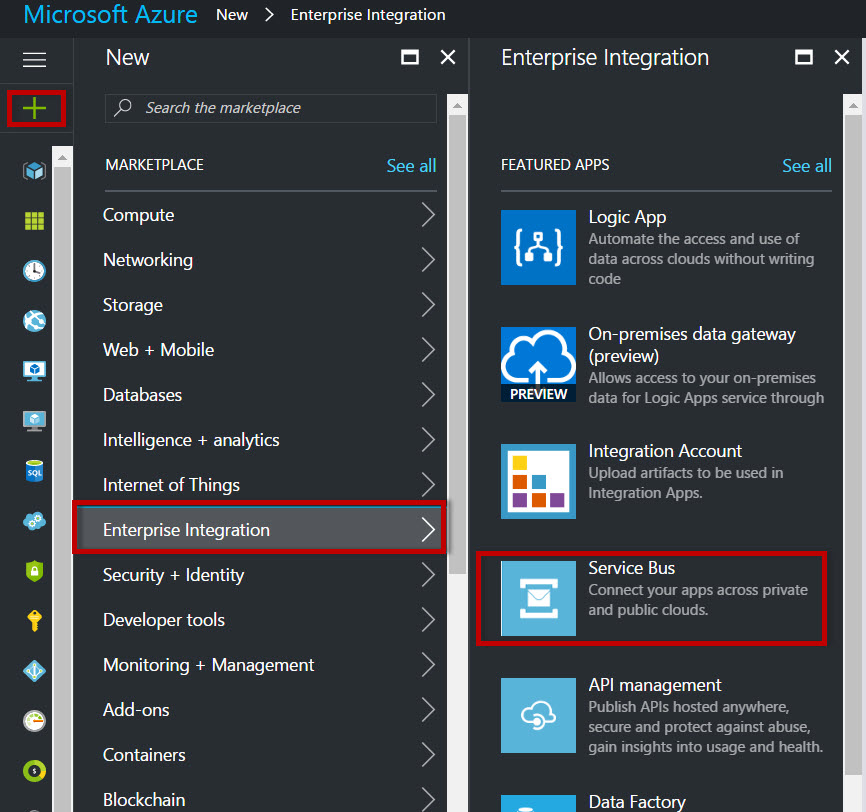
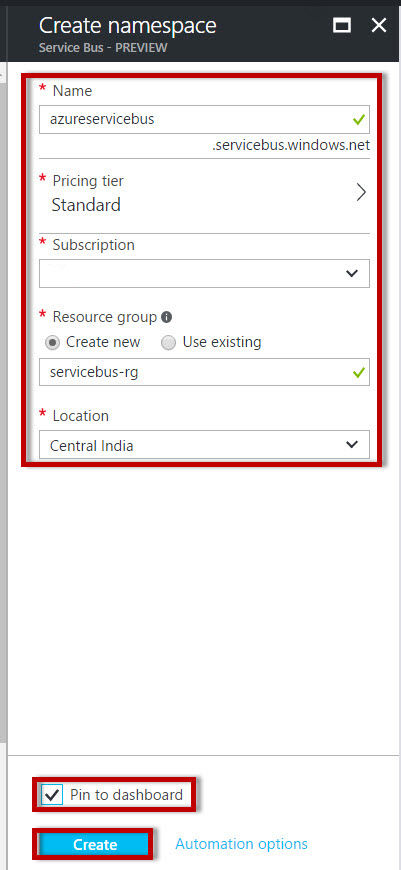
Service Bus – Topics

Step 1: Navigate to Azure Portal.

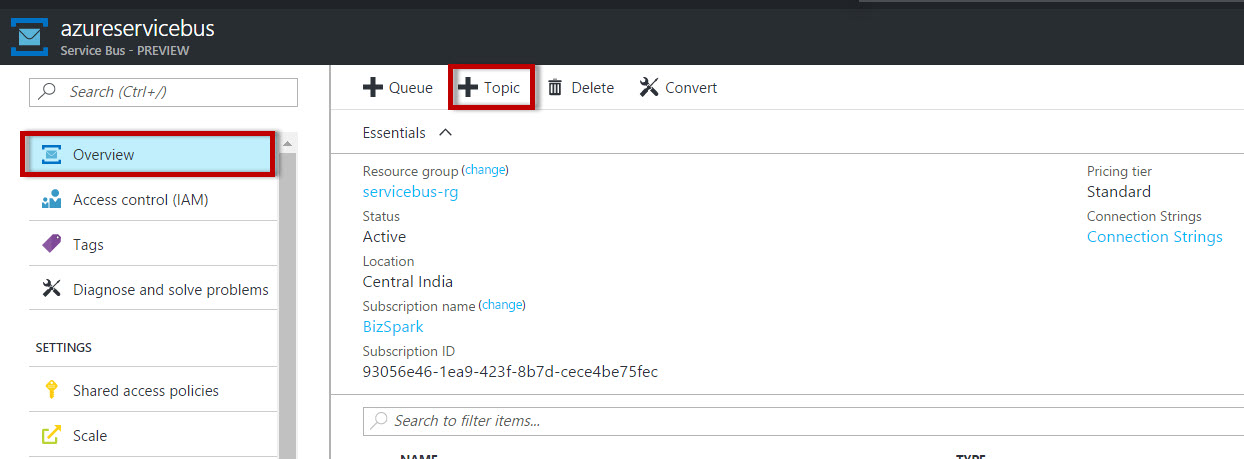
Step 2: Click on +New -> Enterprise Integration -> Service Bus



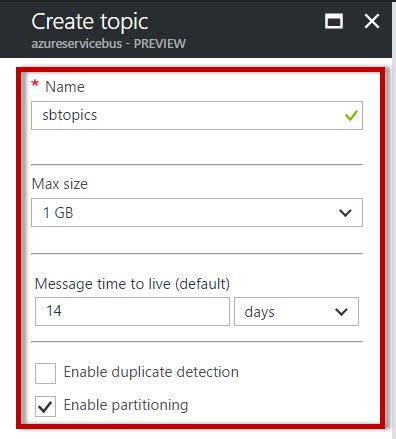
Step 3: Enter Service Bus Namespace Name, Choose Pricing Tier, Resource Group, Location



Step 4: Click on **+** **Topics** to create new Topics

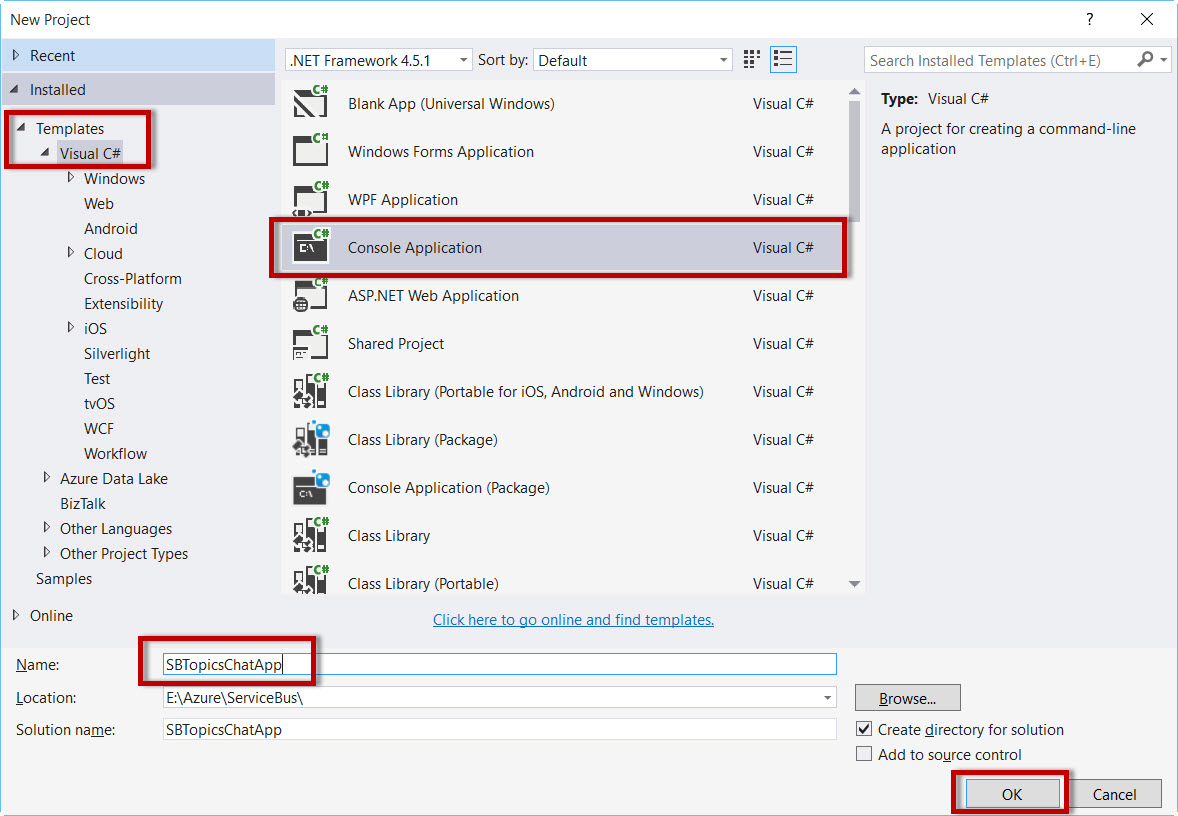


Enter Topics Name, Max Size, etc

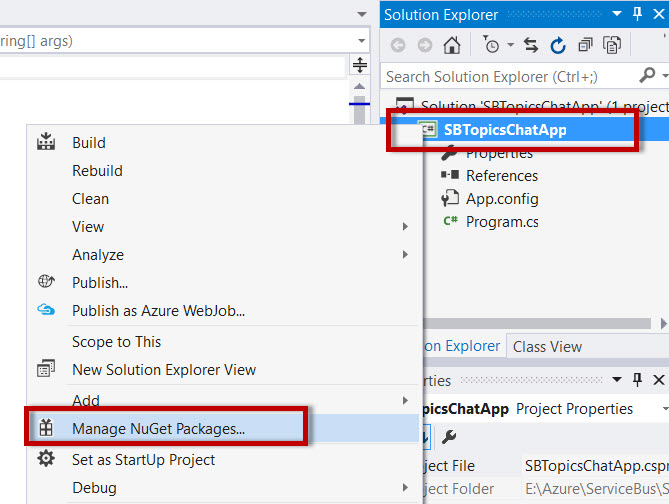


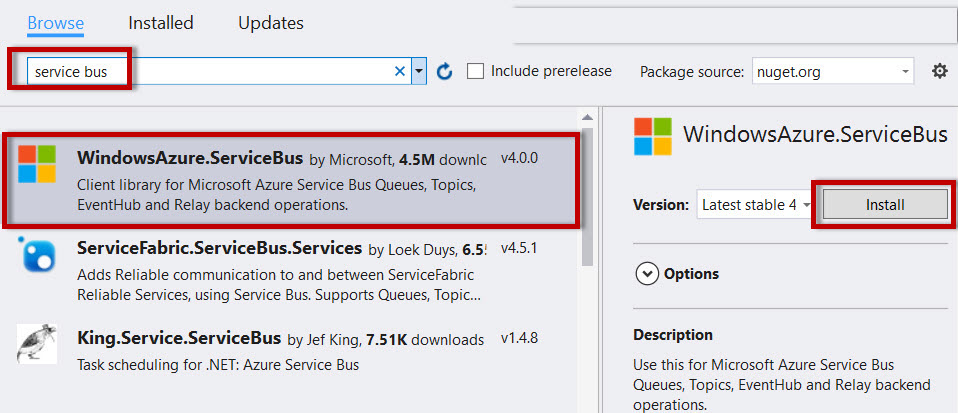
Step 5: Start Visual Studio & Choose Visual C# Template.

Create New Console Application

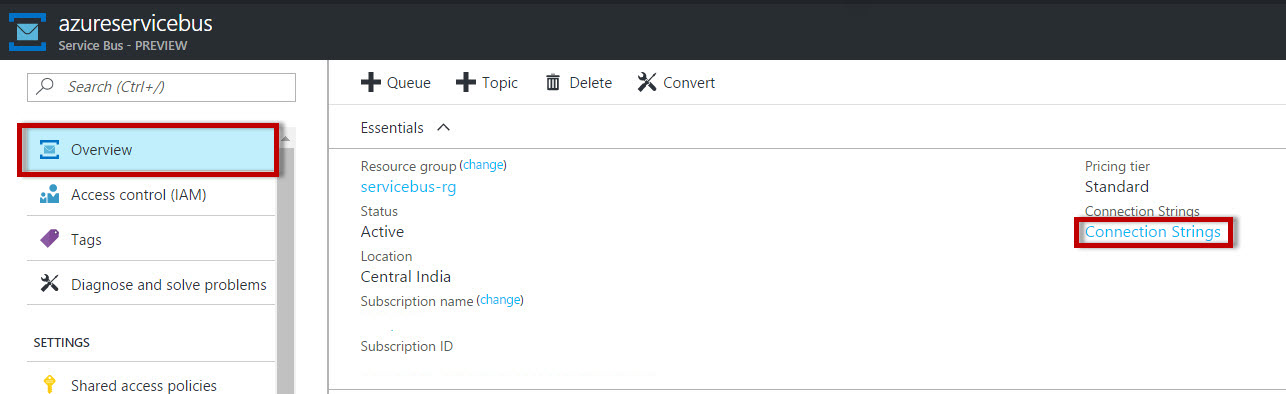


Step 6: Right click on Project Name & select “**Manage NuGet Packages…**”

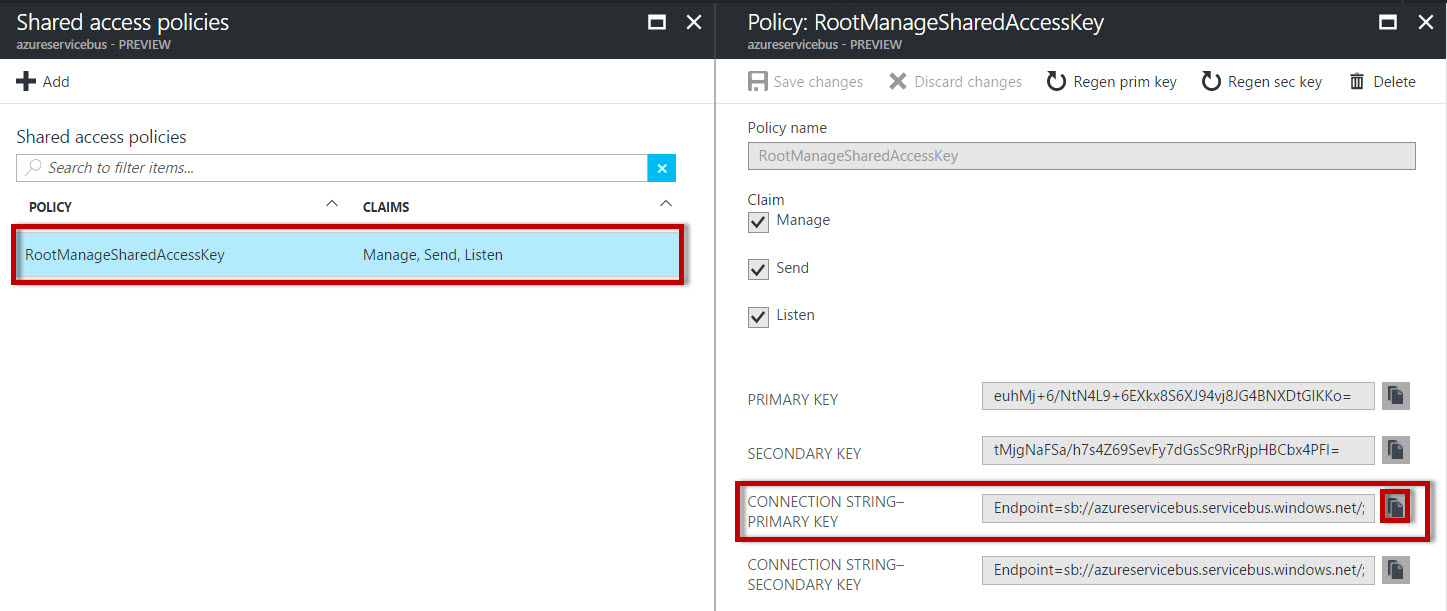




Step 7: Navigate to Azure Portal & Select **Connection String** option.



Click on Copy option & paste into **program.cs** file



Step 8: Add Service Bus Namespace

using Microsoft.ServiceBus;

using Microsoft.ServiceBus.Messaging;

namespace SBTopicsChatApp

{

class Program

{

static string ConnectionString = "Endpoint=sb://azureservicebus.servicebus.windows.net/;SharedAccessKeyName=RootManageSharedAccessKey;SharedAccessKey=<copy-servicebus-sharedkey-from-azure-portal>";

static string TopicPath = "sbtopics";

static void Main(string[] args)

{

Console.WriteLine("Enter Name - ");

var username = Console.ReadLine();

var manager = NamespaceManager.CreateFromConnectionString(ConnectionString);

if (!manager.TopicExists(TopicPath))

{

manager.CreateTopic(TopicPath);

}

var description = new SubscriptionDescription(TopicPath, username);

{

description.AutoDeleteOnIdle = TimeSpan.FromMinutes(5);

}

manager.CreateSubscription(description);

var factory = MessagingFactory.CreateFromConnectionString(ConnectionString);

var topicClient = factory.CreateTopicClient(TopicPath);

var subscriptionClient = factory.CreateSubscriptionClient(TopicPath, username);

subscriptionClient.OnMessage(msg => ProcessMessage(msg));

var hellomessage = new BrokeredMessage("Has entered the Room...");

hellomessage.Label = username;

topicClient.Send(hellomessage);

while (true)

{

string text = Console.ReadLine();

if (text.Equals("exit")) break;

var chatMessage = new BrokeredMessage(text);

chatMessage.Label = username;

topicClient.Send(chatMessage);

}

var goodbyeMessage = new BrokeredMessage("Has left the building.....");

goodbyeMessage.Label = username;

topicClient.Send(goodbyeMessage);

factory.Close();

}

static void ProcessMessage(BrokeredMessage message)

{

string user = message.Label;

string text = message.GetBody<string>();

Console.WriteLine(user + ">" + text);

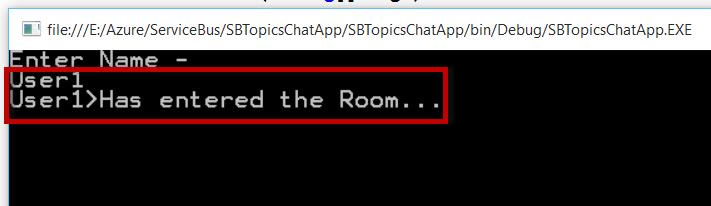
}

}

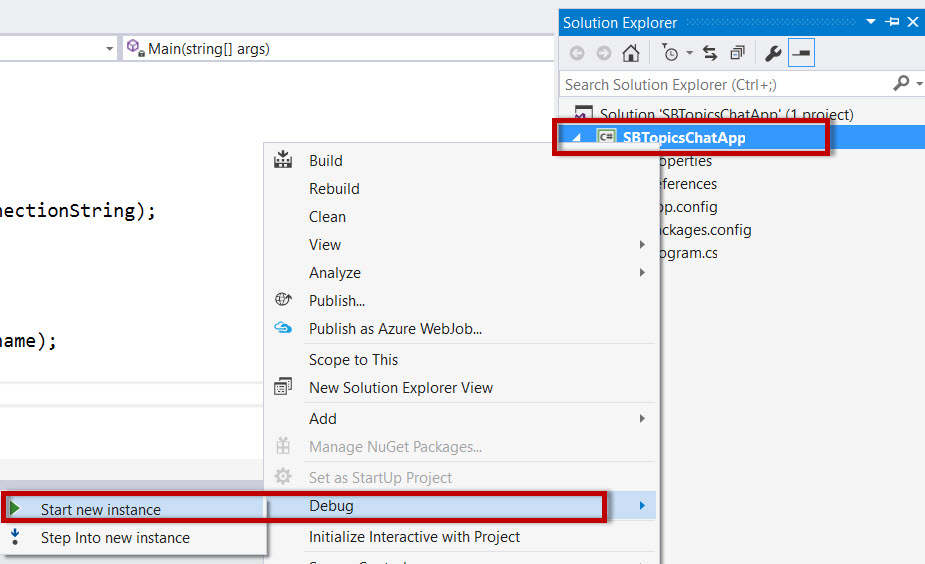
}

Step 9: Now run the project

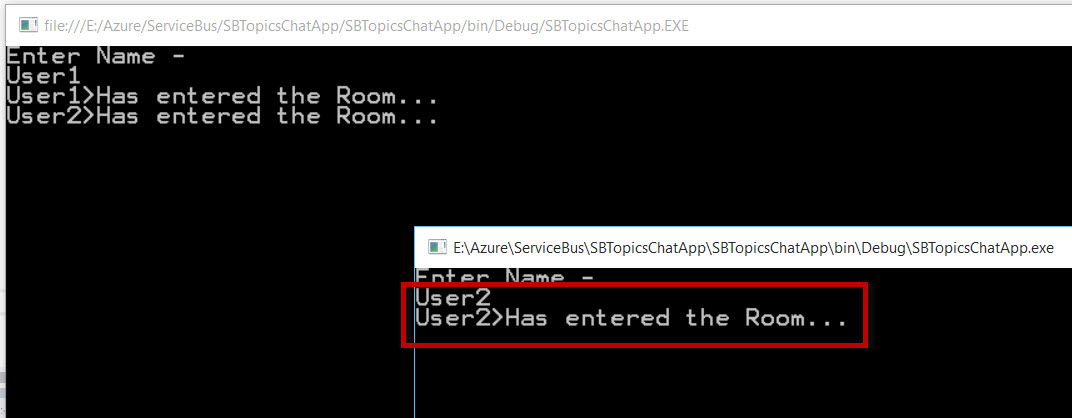
Enter Name

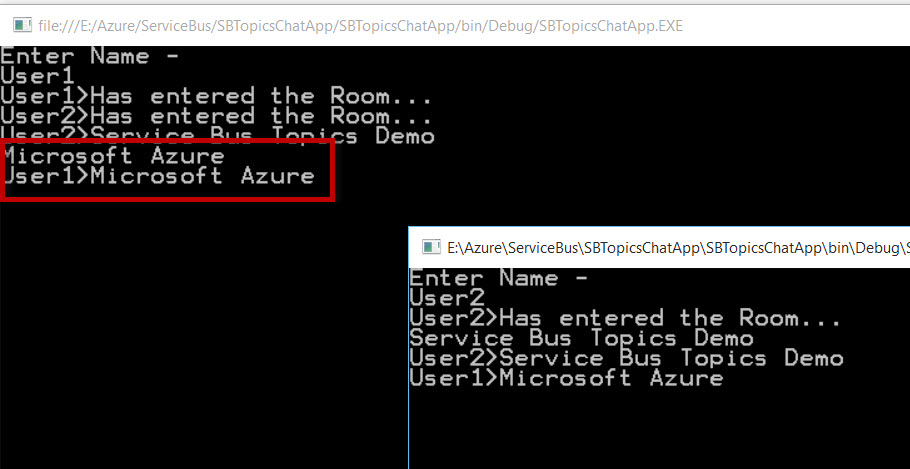


Step 10: Don’t Stop the project & right-click on project name -> Debug -> Start new instance



Enter another Name





Navigate to Service Bus Topics on Azure Portal

