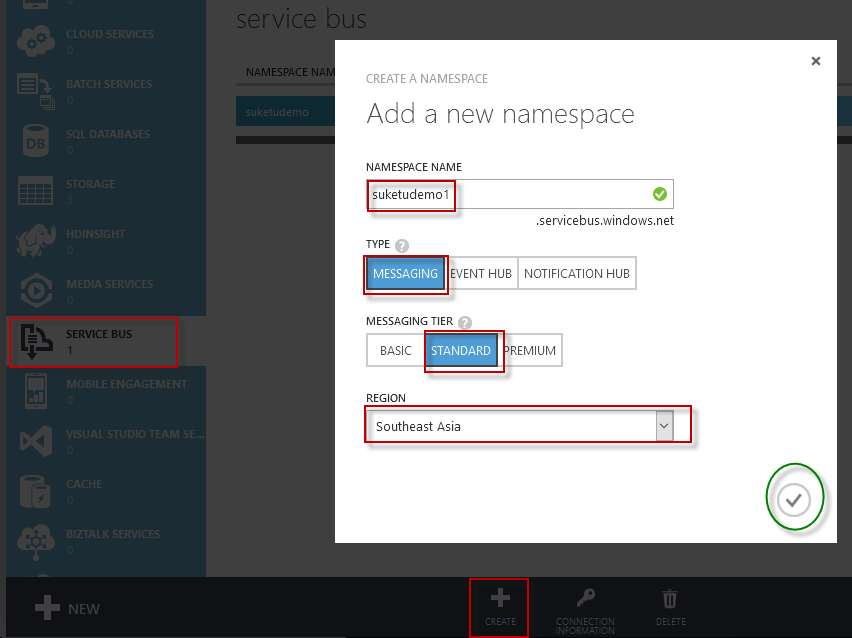
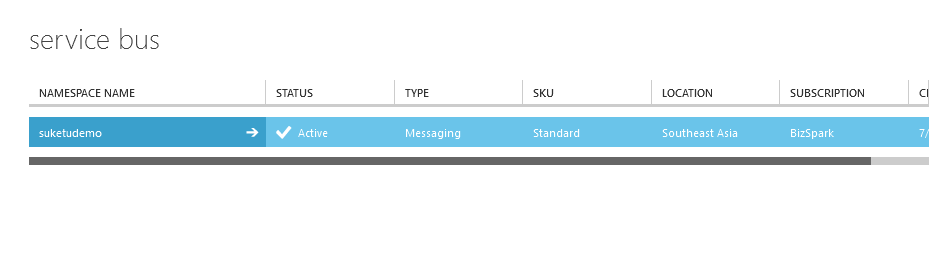
**Service Bus – Queue**

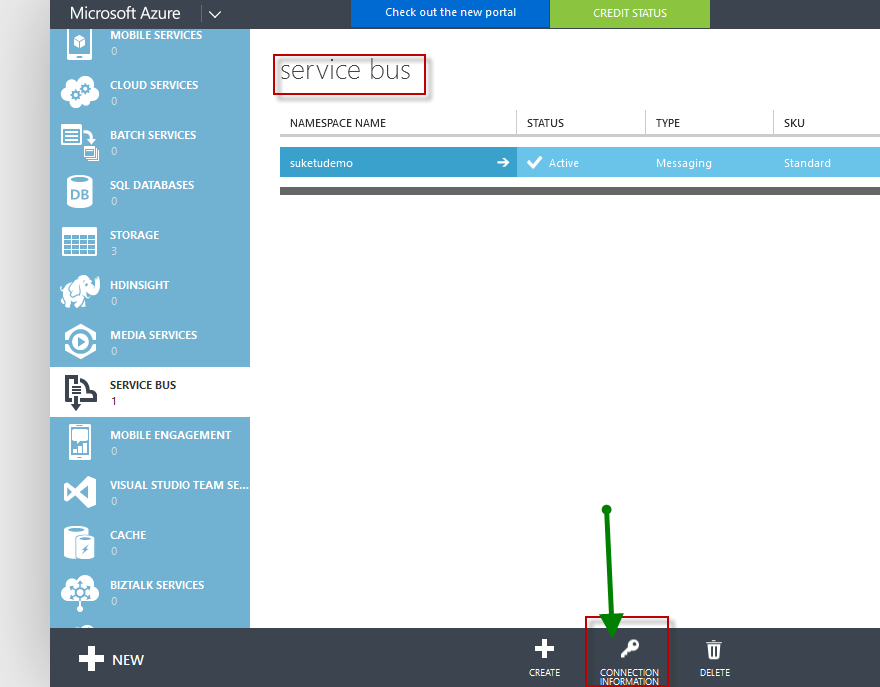
First Create Namespace in Service Bus of Azure

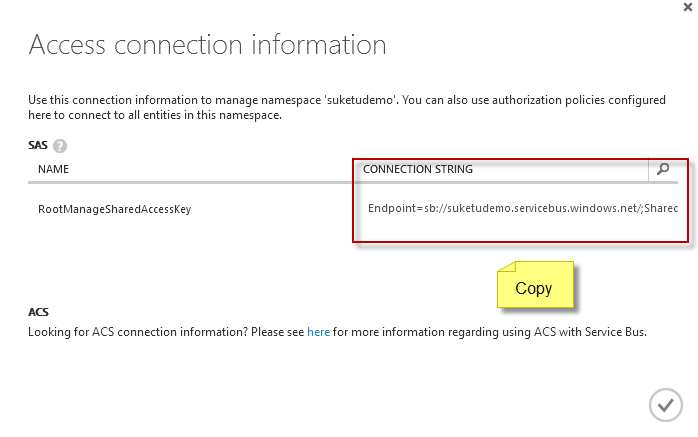


Service Bus is active

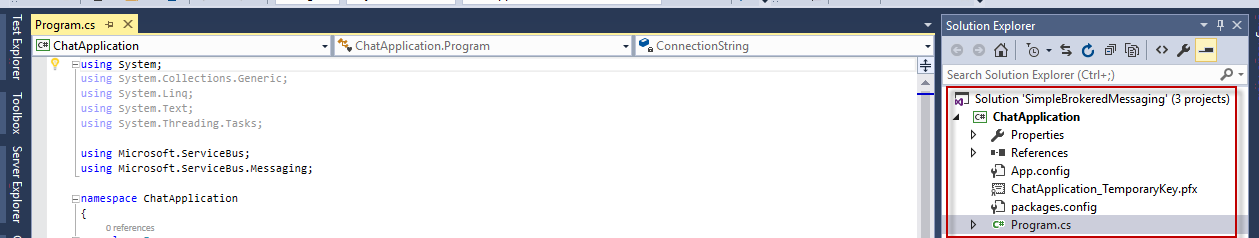


For Connection String of Service Bus Namespace





Now in Visual Studio Add -> New Project -> Console Application



Now Add Following Code in Program.CS file

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using Microsoft.ServiceBus;

using Microsoft.ServiceBus.Messaging;

namespace ChatApplication

{

class Program

{

static string ConnectionString = "Endpoint=sb://suketudemo.servicebus.windows.net/;SharedAccessKeyName=RootManageSharedAccessKey;SharedAccessKey=/nwKJH0ya/+lcAMCWsw0RJ6kONE+x5CQ0JsAQVaiT+Q=";

static string TopicPath = "chattopic";

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>();

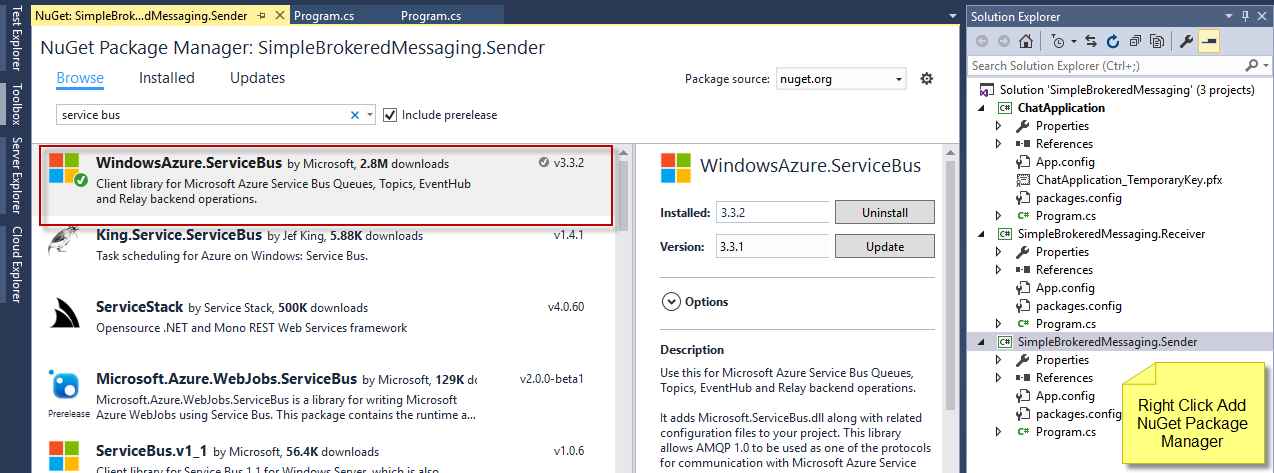
Console.WriteLine(user + ">" + text);

}

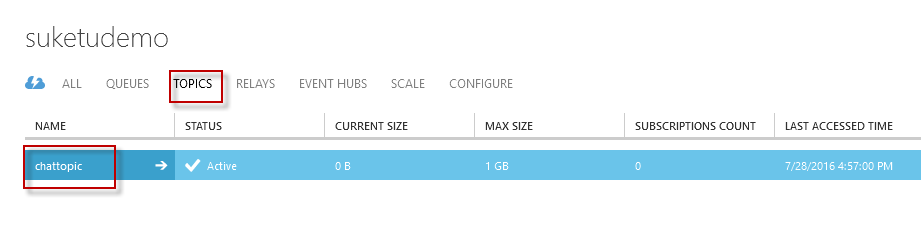
}

}

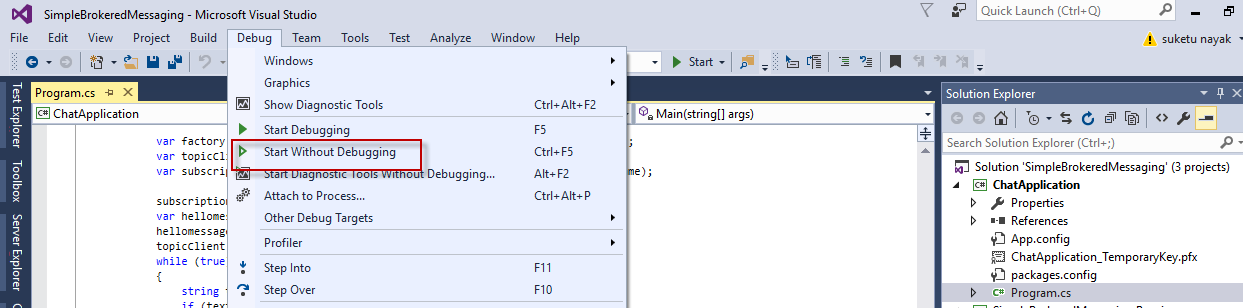
Add Windows Azure Service Bus from NuGet Package Manager

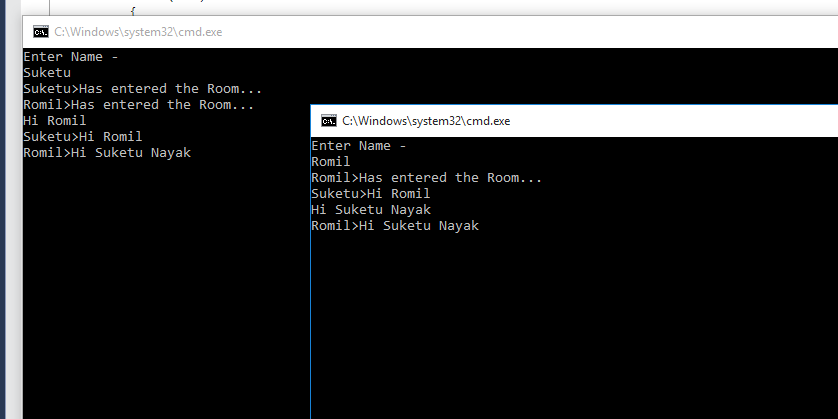


Here in this application we run time creating Topics in Azure Service Bus



Now to Run this Chat Application Click on Debug and click Start without Debugging option (2-3 Times so u will get multiple Chat Window)





Both Users are Chatting with Each other.

If you publish this Chat Application and share setup to all friends all can Chat with Each other via internet connection only.